

Appendix 4.2-B
Groundwater Quality Analytical Results

Table of Contents

Hydro ID	Sample Date	Lab Sample ID	Page
5 (formerly 635)	09/07	R07090384-005	5
	11/07	R07110303-001	8
	02/08	R08020082-001	11
	04/08	R08040364-007	14
7	10/06	R06100076-004	18
	10/07	R07100002-009	21
	11/07	R07110146-002	24
	02/08	R08020220-002	27
	05/08	R08050419-002	30
8	09/07	R07090384-003	33
	11/07	R07110303-005	36
	11/07	R07110303-006	39
	02/08	R08020052-001	42
	05/08	R08050419-003	48
18	10/06	R06100076-001	51
	09/07	R07090384-001	54
	11/07	R07110146-004	57
	11/07	R07110146-005	60
	02/08	R08020130-003	63
	05/08	R08050427-001	66
628	10/07	R07100002-001	69
	11/07	R07110184-001	72
	02/08	R08020220-005	75
	05/08	R08050419-004	78
631	09/07	R07090384-004	81
	11/07	R07110184-004	84
	02/08	R08020220-003	87
	05/08	R08050251-001	90
676	10/07	R07100002-005	93
	11/07	R07110303-002	96
	02/08	R08020052-007	99
	04/08	R08040364-001	102
677	10/07	R07100002-004	105
	11/07	R07110303-004	108
	02/08	R08020052-003	111
	04/08	R08040364-003	114
678	10/07	R07100002-007	118
	11/07	R07110303-003	121
	02/08	R08020052-005	124
	02/08	R08020052-006	130
	04/08	R08040364-002	136
679	10/07	R07100002-006	140
	11/07	R07110184-003	143
	02/08	R08020006-001	146
	05/08	R08050229-002	149

Table of Contents

Hydro ID	Sample Date	Lab Sample ID	Page
681	01/08	R08010296-002	152
	03/08	R08030315-008	155
	04/08	R08040250-006	158
	05/08	R08050143-001	162
	05/08	R08050229-001	165
	06/08	R08060452-003	168
	07/08	R08070035-005	171
	07/08	R08070244-009	174
	08/08	R08080301-004	177
	09/08	R08090356-002	180
	10/08	R08100295-009	183
	11/08	R08110211-012	186
	12/08	R08120255-002	189
	01/09	R09010301-007	192
	02/09	R09020293-011	195
688	04/08	R08040058-001	198
	04/08	R08040287-002	201
	06/08	R08060210-002	205
	07/08	R08070005-002	208
	07/08	R08070115-006	211
	07/08	R08070471-001	214
	08/08	R08080332-001	217
	10/08	R08100014-001	220
	10/08	R08100295-005	223
	11/08	R08110211-004	226
	12/08	R08120281-001	229
	01/09	R09010301-012	232
	02/09	R09020293-006	235
694 (formerly 696)	04/08	R08040002-001	239
	04/08	R08040287-007	245
	05/08	R08050321-001	249
	06/08	R08060427-002	252
	07/08	R08070244-004	255
	08/08	R08080332-006	258
	09/08	R08090356-006	261
	10/08	R08100295-014	264
	11/08	R08110211-002	267
	12/08	R08120255-012	270
	01/09	R09010301-013	271
	02/09	R09020293-015	274

Table of Contents

Hydro ID	Sample Date	Lab Sample ID	Page
695	04/08	R08040002-003	278
	04/08	R08040287-001	281
	05/08	R08050321-003	285
	06/08	R08060427-004	288
	07/08	R08070244-003	291
	08/08	R08080332-005	294
	09/08	R08090356-007	297
	10/08	R08100295-012	300
	11/08	R08110211-009	303
	12/08	R08120255-010	306
	01/09	R09010301-005	309
	02/09	R09020293-013	312
698	03/08	R08030315-002	316
	03/08	R08030315-003	319
	04/08	R08040287-004	322
	05/08	R08050406-001	326
	05/08	R08050406-002	329
	06/08	R08060427-001	332
	07/08	R08070244-010	335
	08/08	R08080301-003	338
	09/08	R08090314-003	341
	10/08	R08100295-004	344
	11/08	R08110211-008	347
	12/08	R08120255-005	350
	12/08	R08120255-006	353
	01/09	R09010301-009	356
	02/09	R09020293-004	359
	02/09	R09020293-005	363
706	01/10	R10010180-002	367
	03/10	R10020266-002	371
	03/10	R10030205-003	374
	04/10	R10040303-002	378
	05/10	R10050253-002	381
	06/10	R10060444-002	384
	07/10	R10070459-002	387
	07/10	R10070459-003	390
	08/10	R10080398-002	394
	09/10	R10090519-002	397
	10/10	R10100355-002	400
	11/10	R10110179-001	403
	11/10	R10110179-003	406
	12/10	R10120179-002	409



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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 CaCO ₃	124	mg/L		5		1	A2320 B	10/04/07 16:54/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	10/04/07 16:54/sn
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 13 of 15



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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 RL - Analyte reporting limit.
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ND - Not detected at the reporting limit.

Page 14 of 15



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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/		Method	Analysis Date / By
					QCL	DF		
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.								

- This Balance uses sulfate data from 200.7 analysis.

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 15 of 15



POWERTECH (USA) INC.



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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 CaCO ₃	118	mg/L		5		1	A2320 B	12/11/07 18:10/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	12/11/07 18:10/sn
Bicarbonate as HCO ₃	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-NH ₃ 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-c
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 17:25/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 1 of 23



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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
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-cs
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-cs
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 2 of 23



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 3 of 23



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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
MAJOR IONS								
Alkalinity, Total as CaCO ₃	120	mg/L		5		1	A2320 B	02/21/08 16:30/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	02/21/08 16:30/sn
Bicarbonate as HCO ₃	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-NH ₃ 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/kl
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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 1 of 3



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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
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 2 of 3



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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/ikl
Anions	33.7	meq/L				1	A1030 E	04/15/08 00:00/ikl
Cations	33.5	meq/L				1	A1030 E	04/15/08 00:00/ikl
Solids, Total Dissolved Calculated	2270	mg/L				1	A1030 E	04/15/08 00:00/ikl
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	04/15/08 00:00/ikl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 3 of 3



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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 CaCO ₃	118	mg/L		5		1	A2320 B	05/01/08 12:36/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	05/01/08 12:36/mb
Bicarbonate as HCO ₃	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-NH ₃ 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-cs
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 RL - Analyte reporting limit.
Definitions: 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.

Page 23 of 26



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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

Report RL - Analyte reporting limit.
Definitions: 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.

Page 24 of 26



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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

Report RL - Analyte reporting limit.
Definitions: 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

Page 25 of 26



POWERTECH (USA) INC.



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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/		Method	Analysis Date / By
					QCL	DF		
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

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 26 of 26



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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 CaCO ₃	170	mg/L		5		1	A2320 B	10/06/06 12:01/JMH
Bicarbonate as HCO ₃	210	mg/L		5		1	A2320 B	10/06/06 12:01/JMH
Carbonate as CO ₃	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 SiO ₂	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: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 10 of 18



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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-cz
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 11 of 18



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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	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 12 of 18



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 25 of 30



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 26 of 30



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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
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 27 of 30



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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/kl
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 4 of 30



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 5 of 30



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 6 of 30



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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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 4 of 15



POWERTECH (USA) INC.



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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
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
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Page 5 of 15



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 6 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-002
Client Sample ID: DewBurd GW7

Report Date: 07/30/08
Collection Date: 05/29/08 11:10
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	170	mg/L		5		1	A2320 B	06/02/08 11:45/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	06/02/08 11:45/mb
Bicarbonate as HCO ₃	207	mg/L		5		1	A2320 B	06/02/08 11:45/mb
Calcium	42.1	mg/L		0.5		2	E200.7	06/16/08 19:29/eli-c
Chloride	11	mg/L		1		1	E300.0	05/31/08 21:47/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/31/08 21:47/jmh
Magnesium	18.2	mg/L		0.5		2	E200.7	06/16/08 19:29/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH ₃ G	06/03/08 13:16/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/31/08 21:47/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/31/08 21:47/jmh
Potassium	11.0	mg/L		0.5		2	E200.7	06/16/08 19:29/eli-c
Silica	4.1	mg/L		0.5		2	E200.7	06/16/08 19:29/eli-c
Sodium	300	mg/L	D	2		2	E200.7	06/16/08 19:29/eli-c
Sulfate	514	mg/L	D	3		50	E300.0	05/31/08 21:31/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1650	umhos/cm		5.0		1	A2510 B	06/02/08 15:04/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	06/04/08 00:00/jmh
pH	8.17	s.u.		0.01		1	A4500-H B	06/02/08 15:42/tb
Sodium Adsorption Ratio (SAR)	9.7	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	960	mg/L		5		1	A2540 C	05/30/08 12:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/22/08 19:19/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 19:19/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 19:29/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/22/08 19:19/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 19:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 19:19/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	06/22/08 19:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 19:19/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 19:29/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 19:19/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 4 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-002
Client Sample ID: DewBurd GW7

Report Date: 07/30/08
Collection Date: 05/29/08 11:10
Date Received: 05/30/08
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	06/22/08 19:19/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/22/08 19:19/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 19:29/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:29/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 01:15/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:05/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	3.3	pCi/L	U			1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	9.6	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	0.5	pCi/L	U			1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.5	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	0.9	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/30/08 17:02/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	06/30/08 17:02/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	-7.4	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.4	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	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	06/17/08 09:15/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 5 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-002
Client Sample ID: DewBurd GW7

Report Date: 07/30/08
Collection Date: 05/29/08 11:10
Date Received: 05/30/08
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	06/17/08 09:15/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	451	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	98.8	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/13/08 20:38/eli-c
Arsenic	0.003	mg/L	D	0.002		1	E200.8	06/13/08 20:38/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/13/08 20:38/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/13/08 20:38/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/13/08 20:37/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/13/08 20:38/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/13/08 20:38/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/13/08 20:38/eli-c
Iron	0.41	mg/L		0.03		2	E200.7	06/13/08 20:37/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/13/08 20:38/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	06/13/08 20:38/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	06/13/08 20:38/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:43/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/13/08 20:38/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/13/08 20:38/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/13/08 20:38/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 15:12/eli-c
Strontium	1.1	mg/L		0.1		1	E200.8	06/13/08 20:38/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/13/08 20:38/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/13/08 20:38/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/13/08 20:38/eli-c
DATA QUALITY								
A/C Balance (± 5)	8.11	%				1	A1030 E	07/30/08 00:00/jmh
Anions	14.4	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	17.0	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	1010	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/30/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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.

Page 6 of 12



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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 CaCO ₃	168	mg/L		5		1	A2320 B	10/04/07 16:49/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	10/04/07 16:49/sn
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 7 of 15



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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 RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 8 of 15



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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
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 9 of 15



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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 CaCO ₃	178	mg/L		5		1	A2320 B	12/11/07 18:21/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	12/11/07 18:21/sn
Bicarbonate as HCO ₃	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-NH ₃ 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-c
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 18:12/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 13 of 23



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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-cz
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-cz
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 14 of 23



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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/		Method	Analysis Date / By
					QCL	DF		
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.								

- Ion Balance achieved using Sulfate from E200.7.

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 15 of 23



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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/	DF	Method	Analysis Date / By
					QCL			
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-c
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 18:19/eli-c

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Page 16 of 23

Definitions: 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-cs
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-cs
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 17 of 23



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 18 of 23



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-001
Client Sample ID: DewBurd GW8

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

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	166	mg/L		5		1	A2320 B	02/19/08 15:11/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	02/19/08 15:11/sn
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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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 RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: 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

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
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.



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: OCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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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.



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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
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: RL - Analyte reporting limit.
Definitions: 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: R08050419-003
Client Sample ID: DewBurd GW8

Report Date: 07/30/08
Collection Date: 05/29/08 11:41
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	164	mg/L		5		1	A2320 B	06/02/08 11:48/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	06/02/08 11:48/mb
Bicarbonate as HCO ₃	200	mg/L		5		1	A2320 B	06/02/08 11:48/mb
Calcium	58.9	mg/L		0.5		2	E200.7	06/16/08 19:33/eli-c
Chloride	11	mg/L		1		1	E300.0	05/31/08 22:20/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/31/08 22:20/jmh
Magnesium	26.3	mg/L		0.5		2	E200.7	06/16/08 19:33/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	06/03/08 13:17/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/31/08 22:20/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/31/08 22:20/jmh
Potassium	13.7	mg/L		0.5		2	E200.7	06/16/08 19:33/eli-c
Silica	3.5	mg/L		0.5		2	E200.7	06/16/08 19:33/eli-c
Sodium	240	mg/L	D	2		2	E200.7	06/16/08 19:33/eli-c
Sulfate	514	mg/L	D	3		50	E300.0	05/31/08 22:04/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1560	umhos/cm		5.0		1	A2510 B	06/02/08 15:05/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.97	s.u.		0.01		1	A4500-H B	06/02/08 15:43/tb
Sodium Adsorption Ratio (SAR)	6.5	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	05/30/08 12:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/27/08 02:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 19:26/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 19:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/27/08 02:31/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 19:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 19:26/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	06/16/08 19:33/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 19:26/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 19:33/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 19:26/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 7 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-003
Client Sample ID: DewBurd GW8

Report Date: 07/30/08
Collection Date: 05/29/08 11:41
Date Received: 05/30/08
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	06/22/08 19:26/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/22/08 19:26/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	06/16/08 19:33/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:33/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 01:22/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:07/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	3.2	pCi/L	U			1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	16.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	0.8	pCi/L	U			1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.5	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	1.2	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/30/08 17:02/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	06/30/08 17:02/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	4.9	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	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.33	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	06/17/08 09:15/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 8 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-003
Client Sample ID: DewBurd GW8

Report Date: 07/30/08
Collection Date: 05/29/08 11:41
Date Received: 05/30/08
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	06/17/08 09:15/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	0.0	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	514	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	99.3	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/13/08 20:45/eli-c
Arsenic	0.003	mg/L	D	0.002		1	E200.8	06/13/08 20:45/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/13/08 20:45/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/13/08 20:45/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/13/08 20:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/13/08 20:45/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/13/08 20:45/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/13/08 20:45/eli-c
Iron	0.23	mg/L		0.03		2	E200.7	06/13/08 20:41/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/13/08 20:45/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	06/13/08 20:45/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	06/13/08 20:45/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:45/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/13/08 20:45/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/13/08 20:45/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/13/08 20:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 16:32/eli-c
Strontium	1.6	mg/L		0.1		1	E200.8	06/13/08 20:45/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/13/08 20:45/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/13/08 20:45/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/13/08 20:45/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.33	%				1	A1030 E	07/30/08 00:00/jmh
Anions	14.3	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	15.9	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	973	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	07/30/08 00:00/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.

Page 9 of 12



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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 CaCO ₃	180	mg/L		5		1	A2320 B	10/06/06 11:45/JMH
Bicarbonate as HCO ₃	220	mg/L		5		1	A2320 B	10/06/06 11:45/JMH
Carbonate as CO ₃	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 SiO ₂	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-NH ₃ 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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 1 of 18



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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-cz
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 2 of 18



POWERTECH (USA) INC.



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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	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 3 of 18



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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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 1 of 15



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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
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 2 of 15



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 3 of 15



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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 CaCO ₃	176	mg/L		5		1	A2320 B	11/26/07 16:00/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	11/26/07 16:00/sn
Bicarbonate as HCO ₃	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-NH ₃ 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/kj
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 10 of 30



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 11 of 30



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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 RL - Analyte reporting limit.
Definitions: OCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 12 of 30



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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/kl
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 RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Page 13 of 30

Definitions: 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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 14 of 30



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 15 of 30



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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
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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 7 of 12



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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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 8 of 12



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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
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 9 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-001
Client Sample ID: DewBurd GW18

Report Date: 07/30/08
Collection Date: 05/30/08 11:12
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL/			
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	06/02/08 11:53/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:53/mb
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	06/02/08 11:53/mb
Calcium	38.0	mg/L		0.5		2	E200.7	06/16/08 18:00/eli-c
Chloride	12	mg/L		1		1	E300.0	05/31/08 23:59/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/31/08 23:59/jmh
Magnesium	13.4	mg/L		0.5		2	E200.7	06/16/08 18:00/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:21/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/31/08 23:59/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/31/08 23:59/jmh
Potassium	6.9	mg/L		0.5		2	E200.7	06/16/08 18:00/eli-c
Silica	4.2	mg/L		0.5		2	E200.7	06/16/08 18:00/eli-c
Sodium	291	mg/L	D	2		2	E200.7	06/16/08 18:00/eli-c
Sulfate	492	mg/L	D	3		50	E300.0	05/31/08 23:09/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1470	umhos/cm		5.0		1	A2510 B	06/02/08 15:08/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	06/04/08 00:00/jmh
pH	8.10	s. u.		0.01		1	A4500-H B	06/02/08 15:49/tb
Sodium Adsorption Ratio (SAR)	10	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	06/05/08 14:40/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 18:00/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/23/08 03:39/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 18:00/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 18:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 03:39/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 18:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 03:39/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 18:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 03:39/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	06/23/08 03:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 03:39/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 18:00/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 18:00/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:38/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:32/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 1 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-001
Client Sample ID: DewBurd GW18

Report Date: 07/30/08
Collection Date: 05/30/08 11:12
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 03:39/eli-c
Uranium	0.0059	mg/L		0.0003		1	E200.8	06/23/08 03:39/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 18:00/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 18:00/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 02:01/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:34/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	27.5	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	4.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	4.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	-1	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 (±)	0.70	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	2.6	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/19/08 02:32/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	0.0	pCi/L	U	20		1	E901.1	06/17/08 16:05/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/17/08 16:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	29.6	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Lead 210 precision (±)	5.7	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Lead 210 MDC	8.7	pCi/L				1	E909.0M	06/13/08 07:15/eli-c
Polonium 210	1.7	pCi/L		1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.93	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	1.1	pCi/L				1	E903.0	06/19/08 09:39/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 2 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050427-001
Client Sample ID: DewBurd GW18

Report Date: 07/30/08
Collection Date: 05/30/08 11:12
Date Received: 05/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/19/08 09:39/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/16/08 14:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	06/16/08 14:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1210	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	92.1	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/14/08 02:37/eli-c
Arsenic	0.003	mg/L	D	0.002		1	E200.8	06/14/08 02:37/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/14/08 02:37/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/14/08 02:37/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/13/08 21:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/14/08 02:37/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/14/08 02:37/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/14/08 02:37/eli-c
Iron	1.11	mg/L		0.03		2	E200.7	06/13/08 21:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/14/08 02:37/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	06/14/08 02:37/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/12/08 10:36/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/14/08 02:37/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/14/08 02:37/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/14/08 02:37/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 22:44/eli-c
Strontium	0.7	mg/L		0.1		1	E200.8	06/14/08 02:37/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/14/08 02:37/eli-c
Uranium	0.0062	mg/L		0.0003		1	E200.8	06/14/08 02:37/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/14/08 02:37/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.45	%				1	A1030 E	07/18/08 00:00/jmh
Anions	14.2	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	973	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	07/18/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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.

Page 3 of 12



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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/	DF	Method	Analysis Date / By
					QCL			
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 1 of 30



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
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Page 2 of 30



POWERTECH (USA) INC.



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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
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: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 3 of 30



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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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 1 of 12



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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	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
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 RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 2 of 12



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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 RL - Analyte reporting limit.
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Page 3 of 12



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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 CaCO ₃	162	mg/L		5		1	A2320 B	02/26/08 16:07/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	02/26/08 16:07/sn
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 13 of 15



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 14 of 15



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 15 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-004
Client Sample ID: DewBurd GW628

Report Date: 07/30/08
Collection Date: 05/29/08 15:02
Date Received: 05/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	160	mg/L		5		1	A2320 B	06/02/08 11:51/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:51/mb
Bicarbonate as HCO3	195	mg/L		5		1	A2320 B	06/02/08 11:51/mb
Calcium	40.1	mg/L		0.5		2	E200.7	06/16/08 19:57/eli-c
Chloride	42	mg/L	D	5		50	E300.0	05/31/08 22:37/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/31/08 22:53/jmh
Magnesium	17.5	mg/L		0.5		2	E200.7	06/16/08 19:57/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:18/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/31/08 22:53/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/31/08 22:53/jmh
Potassium	8.2	mg/L		0.5		2	E200.7	06/16/08 19:57/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	06/16/08 19:57/eli-c
Sodium	307	mg/L	D	2		2	E200.7	06/16/08 19:57/eli-c
Sulfate	515	mg/L	D	3		50	E300.0	05/31/08 22:37/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1640	umhos/cm		5.0		1	A2510 B	06/02/08 15:07/tb
Oxidation-Reduction Potential	180	mV				1	A2580 B	06/04/08 00:00/jmh
pH	8.21	s. u.		0.01		1	A4500-H B	06/02/08 15:44/tb
Sodium Adsorption Ratio (SAR)	10	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	980	mg/L		5		1	A2540 C	05/30/08 12:05/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/23/08 02:18/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 02:18/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 19:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 02:18/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 19:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 02:18/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	06/16/08 19:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 02:18/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 19:57/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:11/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 12:25/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 10 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-004
Client Sample ID: DewBurd GW628

Report Date: 07/30/08
Collection Date: 05/29/08 15:02
Date Received: 05/30/08
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 02:18/eli-c
Uranium	0.0027	mg/L		0.0003		1	E200.8	06/23/08 02:18/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 19:57/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:57/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 01:28/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:09/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	39.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	4.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.1	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	11.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Lead 210	0.1	pCi/L	U			1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.5	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	-0.5	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.20	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	6.1	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	06/19/08 02:32/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/30/08 17:02/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	06/30/08 17:02/eli-c
Gross Gamma	260	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	52	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.5	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	0.1	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.26	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	06/17/08 09:15/eli-c

Report RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

Page 11 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050419-004
Client Sample ID: DewBurd GW628

Report Date: 07/30/08
Collection Date: 05/29/08 15:02
Date Received: 05/30/08
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 09:15/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:15/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	5040	pCi/L		100		1	D5072-92	06/04/08 12:40/eli-c
Radon 222 precision (±)	144	pCi/L				1	D5072-92	06/04/08 12:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/13/08 20:51/eli-c
Arsenic	0.004	mg/L	D	0.002		1	E200.8	06/13/08 20:51/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/13/08 20:51/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/13/08 20:51/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	06/13/08 20:45/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/13/08 20:51/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/13/08 20:51/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/13/08 20:51/eli-c
Iron	0.66	mg/L		0.03		1	E200.7	06/13/08 20:45/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/13/08 20:51/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	06/13/08 20:51/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	06/13/08 20:51/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:48/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/13/08 20:51/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/13/08 20:51/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/13/08 20:51/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 16:39/eli-c
Strontium	0.9	mg/L		0.1		1	E200.8	06/13/08 20:51/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/13/08 20:51/eli-c
Uranium	0.0029	mg/L		0.0003		1	E200.8	06/13/08 20:51/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/13/08 20:51/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.86	%				1	A1030 E	07/30/08 00:00/jmh
Anions	15.2	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	17.0	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	1040	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/30/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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.

Page 12 of 12



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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 CaCO ₃	168	mg/L		5		1	A2320 B	10/04/07 16:52/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	10/04/07 16:52/sn
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 10 of 15



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 11 of 15



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: OCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 12 of 15



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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 CaCO ₃	160	mg/L		5		1	A2320 B	11/27/07 17:35/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	11/27/07 17:35/sn
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 10 of 12



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 11 of 12



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 12 of 12



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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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 7 of 15



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 8 of 15



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 9 of 15



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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
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: RL - Analyte reporting limit.
Definitions: 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.

Page 1 of 9



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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 RL - Analyte reporting limit.
Definitions: 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

Page 2 of 9



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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	05/06/08 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 RL - Analyte reporting limit.
Definitions: 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

Page 3 of 9



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 13 of 30



POWERTECH (USA) INC.



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 14 of 30



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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
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 15 of 30



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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 CaCO ₃	228	mg/L		5		1	A2320 B	12/11/07 18:12/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	12/11/07 18:12/sn
Bicarbonate as HCO ₃	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-NH ₃ 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-c
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 17:31/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 4 of 23



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 5 of 23



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 6 of 23



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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
MAJOR IONS								
Alkalinity, Total as CaCO ₃	208	mg/L		5		1	A2320 B	02/19/08 15:50/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	02/19/08 15:50/sn
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.
Definitions: 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



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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
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 RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: 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

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.



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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-c
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 RL - Analyte reporting limit.
Definitions: 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.

Page 1 of 26



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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.

Page 2 of 26



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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

Report RL - Analyte reporting limit.
Definitions: OCL - 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

Page 3 of 26



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Page 10 of 30

Definitions: 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: R07100002-004
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 11 of 30



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 12 of 30



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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-c
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 17:45/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 10 of 23



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 11 of 23



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 12 of 23



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

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: R08020052-003
Client Sample ID: DewBurd GW677

Prepared by Rapid City, SD Branch

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. MCL - Maximum contaminant level.
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

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
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.



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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 CaCO ₃	480	mg/L		5		1	A2320 B	05/01/08 11:00/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	05/01/08 11:00/mb
Bicarbonate as HCO ₃	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-NH ₃ 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-c
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 RL - Analyte reporting limit.
Definitions: 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.

Page 8 of 26



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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.

Page 9 of 26



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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 RL - Analyte reporting limit.
Definitions: 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

Page 10 of 26



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 11 of 26



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 19 of 30



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 20 of 30



POWERTech (USA) INC.



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 21 of 30



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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 CaCO ₃	480	mg/L		5		1	A2320 B	12/11/07 18:16/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	12/11/07 18:16/sn
Bicarbonate as HCO ₃	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-NH ₃ 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-c
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 17:38/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 7 of 23



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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-ce
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-ce
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 8 of 23



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 9 of 23



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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 CaCO ₃	468	mg/L		5		1	A2320 B	02/19/08 15:43/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	02/19/08 15:43/sn
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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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 RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: 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

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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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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/		Method	Analysis Date / By
					QCL	DF		
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-
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

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: R08020052-005
Client Sample ID: DewBurd GW678

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

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.



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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	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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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/		Method	Analysis Date / By
					QCL	DF		
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-
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.



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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/	DF	Method	Analysis Date / By
					QCL			
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.



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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
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.



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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/		Method	Analysis Date / By
					QCL	DF		
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.



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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 RL - Analyte reporting limit.

Definitions: 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

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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: 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: 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-cs
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 RL - Analyte reporting limit.
Definitions: 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.

Page 4 of 26



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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-cs
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-cs
METALS, TOTAL								
Mercury	0.00010	mg/L	H	0.00010		1	A3112 B	06/12/08 14:32/eli-cs
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.
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.

Page 5 of 26



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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

Report RL - Analyte reporting limit.
Definitions: 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

Page 6 of 26



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 7 of 26



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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 CaCO ₃	140	mg/L		5		1	A2320 B	10/04/07 18:13/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	10/04/07 18:13/sn
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 16 of 30



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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.

Page 17 of 30



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 18 of 30



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 7 of 12



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
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Page 8 of 12



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 9 of 12



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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 CaCO ₃	144	mg/L		5		1	A2320 B	02/06/08 14:11/sn
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	02/06/08 14:11/sn
Bicarbonate as HCO ₃	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-NH ₃ 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-c
Silver	ND	mg/L		0.005		1	E200.8	02/10/08 02:18/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 1 of 3



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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-c
Selenium-VI	0.012	mg/L		0.001		1	A3114 B	02/08/08 11:01/eli-c
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 2 of 3



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 3 of 3



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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 RL - Analyte reporting limit.

Definitions: 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.

Page 4 of 6



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: 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

Page 5 of 6



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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 RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

MDC - Minimum detectable concentration

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 6 of 6



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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 15:40

Lab ID: R08010296-002

Date Received: 01/31/08

Client Sample ID: DewBurd GW681

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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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
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 RL - Analyte reporting limit.
Definitions: 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: R08010296-002
Client Sample ID: DewBurd GW681

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

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/kl
Anions	14.2	meq/L				1	A1030 E	02/25/08 00:00/kl
Cations	13.5	meq/L				1	A1030 E	02/25/08 00:00/kl
Solids, Total Dissolved Calculated	901	mg/L				1	A1030 E	02/25/08 00:00/kl
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	02/25/08 00:00/kl

Report RL - Analyte reporting limit.
Definitions: 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: 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/		Method	Analysis Date / By
					QCL	DF		
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/el-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/el-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/el-c
Silica	7.2	mg/L		0.5		2	E200.7	04/11/08 13:18/el-c
Sodium	197	mg/L		0.5		2	E200.7	04/11/08 13:18/el-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/el-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/16/08 02:26/el-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 13:18/el-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 13:18/el-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 02:26/el-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 13:18/el-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 02:26/el-c
Iron	ND	mg/L		0.03		2	E200.7	04/11/08 13:18/el-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 02:26/el-c
Manganese	0.08	mg/L		0.01		2	E200.7	04/11/08 13:18/el-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 02:26/el-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 13:18/el-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 02:26/el-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:32/el-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 05:04/el-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 02:26/el-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 22 of 27



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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/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	0.0092	mg/L		0.0003		1	E200.8	04/16/08 02:26/el-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 13:18/el-c
Zinc	ND	mg/L		0.01		2	E200.7	04/11/08 13:18/el-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/15/08 23:23/el-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:01/el-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/el-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2170	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Alpha precision (±)	30.8	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Alpha MDC	3.8	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Beta	659	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Beta precision (±)	8.1	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	04/12/08 22:49/el-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/el-c
Lead 210 precision (±)	3.3	pCi/L				1	E909.0M	04/08/08 08:15/el-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	04/03/08 14:30/el-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	04/03/08 14:30/el-c
Radium 226	414	pCi/L				1	E903.0	04/20/08 07:36/el-c
Radium 226 precision (±)	14.8	pCi/L				1	E903.0	04/20/08 07:36/el-c
Radium 226 MDC	1.1	pCi/L				1	E903.0	04/20/08 07:36/el-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	04/07/08 14:30/el-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/07/08 14:30/el-c
Gross Gamma	2300	pCi/L		20		1	E901.1	04/04/08 16:45/el-c
Gross Gamma precision (±)	82	pCi/L				1	E901.1	04/04/08 16:45/el-c
RADIONUCLIDES - SUSPENDED								
Lead 210	16.8	pCi/L		1.0		1	E909.0M	04/10/08 09:00/el-c
Lead 210 precision (±)	1.8	pCi/L				1	E909.0M	04/10/08 09:00/el-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	04/07/08 17:00/el-c
Polonium 210 precision (±)	0.57	pCi/L				1	RMO-3008	04/07/08 17:00/el-c
Radium 226	3.5	pCi/L				1	E903.0	04/22/08 13:51/el-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	04/22/08 13:51/el-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	04/22/08 13:51/el-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	04/09/08 15:00/el-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 23 of 27



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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 RL - Analyte reporting limit.
Definitions: 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.

Page 24 of 27



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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 CaCO ₃	172	mg/L		5		1	A2320 B	04/23/08 09:05/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	04/23/08 09:05/mb
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 21 of 28



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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

Report RL - Analyte reporting limit.
Definitions: 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

Page 22 of 28



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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 RL - Analyte reporting limit.
Definitions: 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

Page 23 of 28



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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/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.60 - 1.20)	1.04					1	A1030 E	06/17/08 00:00/ADM

Report RL - Analyte reporting limit. MCL - Maximum contaminant level. Page 24 of 28
Definitions: 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: 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	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
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 RL - Analyte reporting limit.

Definitions: 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.

Page 1 of 3



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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	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
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MCL - Maximum contaminant level.
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U - Not detected at minimum detectable concentration

Page 2 of 3



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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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 3 of 3



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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 RL - Analyte reporting limit.
Definitions: 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.

Page 1 of 6



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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 RL - Analyte reporting limit.
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Page 2 of 6



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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

Report RL - Analyte reporting limit.
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Page 3 of 6



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-003
Client Sample ID: DewBurd GW681

Report Date: 08/20/08
Collection Date: 06/25/08 17:30
Date Received: 06/26/08
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	07/03/08 12:03/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 12:03/mb
Bicarbonate as HCO3	207	mg/L		5		1	A2320 B	07/03/08 12:03/mb
Calcium	62.3	mg/L		0.5		2	E200.7	07/09/08 16:08/eli-c
Chloride	15	mg/L		1		1	E300.0	06/27/08 07:53/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/27/08 07:53/jmh
Magnesium	24.0	mg/L		0.5		2	E200.7	07/09/08 16:08/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/30/08 13:46/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/27/08 07:53/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/27/08 07:53/jmh
Potassium	9.7	mg/L		0.5		2	E200.7	07/09/08 16:08/eli-c
Silica	3.9	mg/L		0.5		2	E200.7	07/09/08 16:08/eli-c
Sodium	210	mg/L	D	2		2	E200.7	07/09/08 16:08/eli-c
Sulfate	449	mg/L		1		20	E300.0	06/27/08 07:36/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1390	umhos/cm		5.0		1	A2510 B	07/01/08 11:21/tb
Oxidation-Reduction Potential	140	mV				1	A2580 B	06/27/08 00:00/jmh
pH	7.99	s. u.		0.01		1	A4500-H B	07/01/08 10:14/tb
Sodium Adsorption Ratio (SAR)	5.7	unitless		0.10		1	Calculation	08/20/08 17:12/ADM
Solids, Total Dissolved TDS @ 180 C	880	mg/L		5		1	A2540 C	06/27/08 12:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/15/08 19:40/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 19:40/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/09/08 16:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 19:40/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/09/08 16:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 19:40/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	07/09/08 16:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 19:40/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/09/08 16:08/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 15:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 19:40/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 7 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-003
Client Sample ID: DewBurd GW681

Report Date: 08/20/08
Collection Date: 06/25/08 17:30
Date Received: 06/26/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	07/15/08 19:40/eli-c
Uranium	0.0097	mg/L		0.0003		1	E200.8	07/15/08 19:40/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/09/08 16:08/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/09/08 16:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 11:51/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 12:01/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1390	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha precision (±)	23.2	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha MDC	3.5	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta	364	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta precision (±)	6.2	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Lead 210	42.2	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	7.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	434	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	5.5	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/21/08 21:24/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	07/21/08 21:24/eli-c
Gross Gamma	210	pCi/L		20		1	E901.1	07/14/08 11:00/eli-c
Gross Gamma precision (±)	45	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	6.2	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.81	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	0.7	pCi/L				1	E903.0	07/15/08 21:56/eli-c

Report RL - Analyte reporting limit.
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Page 8 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060452-003
Client Sample ID: DewBurd GW681

Report Date: 08/20/08
Collection Date: 06/25/08 17:30
Date Received: 06/26/08
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	07/15/08 21:56/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 21:56/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	389000	pCi/L		100		1	D5072-92	06/30/08 17:19/eli-c
Radon 222 precision (±)	953	pCi/L				1	D5072-92	06/30/08 17:19/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/07/08 17:18/eli-c
Arsenic	0.001	mg/L		0.001		10	E200.8	07/07/08 17:18/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 23:59/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/07/08 17:18/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 23:59/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/07/08 17:18/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 23:59/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/07/08 23:59/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	07/07/08 23:59/eli-c
Lead	0.013	mg/L	D	0.007		10	E200.8	07/07/08 17:18/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	07/07/08 23:59/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/10/08 16:08/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 23:59/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 23:59/eli-c
Selenium	0.002	mg/L	D	0.002		10	E200.8	07/07/08 17:18/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 17:18/eli-c
Strontium	1.1	mg/L		0.1		2	E200.7	07/07/08 23:59/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/07/08 17:18/eli-c
Uranium	0.0102	mg/L		0.0003		10	E200.8	07/07/08 17:18/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 23:59/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.51	%				1	A1030 E	08/20/08 00:00/kl
Anions	13.2	meq/L				1	A1030 E	08/20/08 00:00/kl
Cations	14.5	meq/L				1	A1030 E	08/20/08 00:00/kl
Solids, Total Dissolved Calculated	883	mg/L				1	A1030 E	08/20/08 00:00/kl
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	08/20/08 00:00/kl

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.

Page 9 of 12



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-005
Client Sample ID: DewBurd GW681

Report Date: 09/09/08
Collection Date: 07/01/08 16:54
Date Received: 07/02/08
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	07/03/08 13:14/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 13:14/mb
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	07/03/08 13:14/mb
Calcium	67.4	mg/L		0.5		2	E200.7	07/21/08 14:23/eli-c
Chloride	16	mg/L		1		1	E300.0	07/03/08 03:38/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/03/08 03:38/jmh
Magnesium	25.8	mg/L		0.5		2	E200.7	07/21/08 14:23/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	07/12/08 17:27/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/03/08 03:38/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/03/08 03:38/jmh
Potassium	9.7	mg/L		0.5		2	E200.7	07/21/08 14:23/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	07/21/08 14:23/eli-c
Sodium	218	mg/L	D	2		2	E200.7	07/21/08 14:23/eli-c
Sulfate	457	mg/L		1		20	E300.0	07/03/08 03:21/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1230	umhos/cm		5.0		1	A2510 B	07/02/08 11:49/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	07/07/08 14:00/jmh
pH	7.85	s.u.		0.01		1	A4500-H B	07/02/08 11:00/tb
Sodium Adsorption Ratio (SAR)	5.7	unitless		0.10		1	Calculation	09/05/08 14:46/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	07/02/08 16:39/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/23/08 17:22/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/23/08 17:22/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 14:23/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/23/08 17:22/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/21/08 14:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 17:22/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	07/21/08 14:23/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 17:22/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 14:23/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 15:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 21:02/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 13 of 21



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070035-005
Client Sample ID: DewBurd GW681

Report Date: 09/09/08
Collection Date: 07/01/08 16:54
Date Received: 07/02/08
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	07/23/08 17:22/eli-c
Uranium	0.0094	mg/L		0.0003		1	E200.8	07/23/08 17:22/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/21/08 14:23/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 14:23/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 14:36/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 13:32/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1180	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha precision (±)	23.0	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Alpha MDC	4.1	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta	326	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta precision (±)	6.3	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	08/02/08 23:41/eli-c
Lead 210	30.0	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	5.1	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	357	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	3.9	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/03/08 18:40/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	08/03/08 18:40/eli-c
Gross Gamma	1500	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	5.3	pCi/L	U			1	E909.0M	07/22/08 11:00/eli-c
Lead 210 precision (±)	6.0	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Lead 210 MDC	9.9	pCi/L				1	E909.0M	07/22/08 11:00/eli-c
Polonium 210	1.5	pCi/L		1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.71	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	1.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c

Report: RL - Analyte reporting limit.
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Page 14 of 21



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Project: Edgemont
Lab ID: R08070035-005
Client Sample ID: DewBurd GW681

Report Date: 09/09/08
Collection Date: 07/01/08 16:54
Date Received: 07/02/08
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	07/23/08 12:43/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	07/23/08 12:43/eli-c
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	07/29/08 09:58/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/29/08 09:58/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	281000	pCi/L		100		1	D5072-92	07/03/08 16:32/eli-c
Radon 222 precision (±)	509	pCi/L				1	D5072-92	07/03/08 16:32/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 12:15/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/08/08 12:15/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 12:15/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/21/08 14:04/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 03:32/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 12:15/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 12:15/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 12:15/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	07/09/08 03:32/eli-c
Lead	0.006	mg/L	D	0.004		10	E200.8	07/08/08 12:15/eli-c
Manganese	0.08	mg/L		0.01		10	E200.8	07/08/08 12:15/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:35/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:43/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 12:15/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 12:15/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/08/08 12:15/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 12:15/eli-c
Strontium	1.2	mg/L		0.1		10	E200.8	07/08/08 12:15/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 12:15/eli-c
Uranium	0.0092	mg/L		0.0003		10	E200.8	07/08/08 12:15/eli-c
Zinc	0.09	mg/L	D	0.03		10	E200.8	07/08/08 12:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.24	%				1	A1030 E	09/05/08 00:00/jmh
Anions	13.4	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	15.2	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	910	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	09/05/08 00:00/jmh

Report Definitions: RL - Analyte reporting limit.
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Page 15 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-009
Client Sample ID: DewBurd GW681

Report Date: 10/03/08
Collection Date: 07/14/08 17:04
Date Received: 07/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	172	mg/L		5		1	A2320 B	07/15/08 19:09/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	07/15/08 19:09/mb
Bicarbonate as HCO ₃	210	mg/L		5		1	A2320 B	07/15/08 19:09/mb
Calcium	60.6	mg/L		0.5		1	E200.7	07/21/08 22:14/eli-c
Chloride	17	mg/L		1		1	E300.0	07/16/08 20:09/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	07/16/08 20:09/jmh
Magnesium	24.3	mg/L		0.5		1	E200.8	07/24/08 05:33/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	07/17/08 16:36/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/16/08 20:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/16/08 20:09/jmh
Potassium	13.7	mg/L		0.5		1	E200.7	07/21/08 22:14/eli-c
Silica	1.9	mg/L		0.5		1	E200.7	07/21/08 22:14/eli-c
Sodium	214	mg/L	D	2		2	E200.7	07/24/08 18:08/eli-c
Sulfate	619	mg/L		1		1	E300.0	07/16/08 20:09/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1380	umhos/cm		5.0		1	A2510 B	07/17/08 10:32/tb
Oxidation-Reduction Potential	150	mV				1	A2580 B	07/16/08 00:00/kh
pH	7.85	s.u.		0.01		1	A4500-H B	07/16/08 16:02/tb
Sodium Adsorption Ratio (SAR)	5.9	unitless		0.10		1	Calculation	09/29/08 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	07/17/08 17:31/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	07/24/08 05:33/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/26/08 00:40/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/26/08 00:40/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/11/08 16:31/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/26/08 00:40/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/24/08 18:08/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/24/08 18:08/eli-c
Iron	ND	mg/L		0.03		2	E200.7	09/11/08 16:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/24/08 05:33/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	07/24/08 18:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/24/08 05:33/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/26/08 00:40/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/24/08 18:08/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 16:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/26/08 00:40/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/24/08 05:33/eli-c

Report RL - Analyte reporting limit.

Definitions: 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.

Page 25 of 33



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-009
Client Sample ID: DewBurd GW681

Report Date: 10/03/08
Collection Date: 07/14/08 17:04
Date Received: 07/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0097	mg/L		0.0003		1	E200.8	07/24/08 05:33/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/24/08 18:08/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/24/08 18:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/27/08 04:46/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 14:09/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2170	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Alpha precision (±)	30.3	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Alpha MDC	3.7	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta	583	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta precision (±)	7.4	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta MDC	3.8	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Lead 210	26.3	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Lead 210 precision (±)	5.9	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Lead 210 MDC	9.2	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Polonium 210	3.1	pCi/L		1.0		1	RMO-3008	08/07/08 14:50/eli-c
Polonium 210 precision (±)	1.8	pCi/L				1	RMO-3008	08/07/08 14:50/eli-c
Radium 226	418	pCi/L				1	E903.0	08/12/08 13:16/eli-c
Radium 226 precision (±)	4.3	pCi/L				1	E903.0	08/12/08 13:16/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	08/13/08 12:43/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	08/13/08 12:43/eli-c
Gross Gamma	13000	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	260	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.7	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.8	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	0.56	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	0.6	pCi/L	U			1	E903.0	08/06/08 17:08/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	08/06/08 17:08/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/06/08 17:08/eli-c

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Page 26 of 33



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Lab ID: R08070244-009
Client Sample ID: DewBurd GW681

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Collection Date: 07/14/08 17:04
Date Received: 07/15/08
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	08/05/08 12:51/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/05/08 12:51/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	244000	pCi/L		100		1	D5072-92	07/16/08 18:45/eli-c
Radon 222 precision (±)	575	pCi/L				1	D5072-92	07/16/08 18:45/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/30/08 04:52/eli-c
Arsenic	0.024	mg/L		0.001		10	E200.8	07/31/08 15:52/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/25/08 00:20/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/31/08 15:52/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/25/08 00:20/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/30/08 04:52/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/25/08 00:20/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/25/08 00:20/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	07/25/08 00:20/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/30/08 04:52/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	07/25/08 00:20/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/23/08 15:40/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/25/08 00:20/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/25/08 00:20/eli-c
Selenium	0.002	mg/L	D	0.002		10	E200.8	07/30/08 04:52/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/31/08 15:52/eli-c
Strontium	1.3	mg/L		0.1		2	E200.7	07/25/08 00:20/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/30/08 04:52/eli-c
Uranium	0.0104	mg/L		0.0003		10	E200.8	07/30/08 04:52/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/25/08 00:20/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.0200	%				1	A1030 E	09/29/08 00:00/jmh
Anions	14.7	meq/L				1	A1030 E	09/29/08 00:00/jmh
Cations	14.7	meq/L				1	A1030 E	09/29/08 00:00/jmh
Solids, Total Dissolved Calculated	955	mg/L				1	A1030 E	09/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	09/29/08 00:00/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.

Page 27 of 33



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080301-004
Client Sample ID: DewBurd GW681

Report Date: 11/14/08
Collection Date: 08/19/08 19:08
Date Received: 08/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	172	mg/L		5		1	A2320 B	08/21/08 11:51/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	08/21/08 11:51/mb
Bicarbonate as HCO ₃	210	mg/L		5		1	A2320 B	08/21/08 11:51/mb
Calcium	66.5	mg/L		0.5		2	E200.7	09/02/08 18:06/eli-c
Chloride	16	mg/L		1		1	E300.0	08/22/08 01:50/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	08/22/08 01:50/jmh
Magnesium	24.7	mg/L		0.5		2	E200.7	09/02/08 18:06/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	08/21/08 17:54/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	08/22/08 01:50/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	08/22/08 01:50/jmh
Potassium	9.8	mg/L		0.5		2	E200.7	09/02/08 18:06/eli-c
Silica	3.9	mg/L		0.5		2	E200.7	09/02/08 18:06/eli-c
Sodium	222	mg/L	D	2		2	E200.7	09/02/08 18:06/eli-c
Sulfate	489	mg/L	D	3		50	E300.0	08/22/08 01:34/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1450	umhos/cm		5.0		1	A2510 B	08/22/08 11:52/tb
Oxidation-Reduction Potential	160	mV				1	A2580 B	08/25/08 00:00/jmh
pH	8.01	s.u.		0.01		1	A4500-H B	08/22/08 14:00/tb
Sodium Adsorption Ratio (SAR)	5.9	unitless		0.10		1	Calculation	11/04/08 09:20/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	08/25/08 15:54/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	09/02/08 18:06/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	09/03/08 04:20/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/02/08 18:06/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/02/08 18:06/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/03/08 04:20/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/02/08 18:06/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/03/08 04:20/eli-c
Iron	ND	mg/L		0.03		2	E200.7	09/02/08 18:06/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/03/08 04:20/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	09/02/08 18:06/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/03/08 04:20/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	09/02/08 18:06/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/02/08 18:06/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	09/01/08 11:41/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/03/08 04:20/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/03/08 04:20/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level. Page 10 of 15
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: R08080301-004
Client Sample ID: DewBurd GW681

Report Date: 11/14/08
Collection Date: 08/19/08 19:08
Date Received: 08/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0100	mg/L		0.0003		1	E200.8	09/03/08 04:20/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	09/03/08 04:20/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	08/26/08 06:43/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	09/11/08 01:24/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/31/08 16:08/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	09/01/08 11:59/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1430	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Alpha precision (±)	25.9	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Alpha MDC	3.8	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Beta	423	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Beta precision (±)	7.2	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Beta MDC	4.7	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Lead 210	32.2	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Lead 210 precision (±)	6.8	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Lead 210 MDC	10.7	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Polonium 210	3.7	pCi/L		1.0		1	RMO-3008	09/03/08 19:15/eli-c
Polonium 210 precision (±)	1.9	pCi/L				1	RMO-3008	09/03/08 19:15/eli-c
Radium 226	362	pCi/L				1	E903.0	09/15/08 16:28/eli-c
Radium 226 precision (±)	4.2	pCi/L				1	E903.0	09/15/08 16:28/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	09/20/08 12:26/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	09/20/08 12:26/eli-c
Gross Gamma	2800	pCi/L		20		1	E901.1	08/29/08 12:32/eli-c
Gross Gamma precision (±)	310	pCi/L				1	E901.1	08/29/08 12:32/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1	pCi/L	U			1	E909.0M	09/12/08 10:37/eli-c
Lead 210 precision (±)	10.6	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Lead 210 MDC	17.8	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	09/15/08 14:35/eli-c
Polonium 210 precision (±)	0.43	pCi/L				1	RMO-3008	09/15/08 14:35/eli-c
Radium 226	0.8	pCi/L				1	E903.0	09/17/08 17:18/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	09/17/08 17:18/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	09/17/08 17:18/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 11 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080301-004
Client Sample ID: DewBurd GW681

Report Date: 11/14/08
Collection Date: 08/19/08 19:08
Date Received: 08/20/08
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	09/29/08 13:22/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	09/29/08 13:22/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	318000	pCi/L		100		1	D5072-92	08/25/08 17:46/eli-c
Radon 222 precision (±)	944	pCi/L				1	D5072-92	08/25/08 17:46/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	09/03/08 04:26/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	09/03/08 04:26/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/02/08 20:03/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	09/03/08 22:01/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/02/08 20:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/03/08 04:26/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/02/08 20:03/eli-c
Copper	ND	mg/L		0.01		2	E200.7	09/02/08 20:03/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	09/02/08 20:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/03/08 04:26/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	09/02/08 20:03/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	08/28/08 08:23/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	09/02/08 20:03/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/02/08 20:03/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	09/03/08 04:26/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/03/08 04:26/eli-c
Strontium	1.2	mg/L		0.1		2	E200.7	09/02/08 20:03/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	09/03/08 04:26/eli-c
Uranium	0.0037	mg/L		0.0003		1	E200.8	09/03/08 04:26/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	09/02/08 20:03/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.01	%				1	A1030 E	11/04/08 00:00/jmh
Anions	14.1	meq/L				1	A1030 E	11/04/08 00:00/jmh
Cations	15.3	meq/L				1	A1030 E	11/04/08 00:00/jmh
Solids, Total Dissolved Calculated	942	mg/L				1	A1030 E	11/04/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	11/04/08 00:00/jmh

Report RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

Page 12 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090356-002
Client Sample ID: DewBurd GW681

Report Date: 11/20/08
Collection Date: 09/23/08 13:55
Date Received: 09/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	174	mg/L		5		1	A2320 B	10/02/08 14:15/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	10/02/08 14:15/mb
Bicarbonate as HCO ₃	212	mg/L		5		1	A2320 B	10/02/08 14:15/mb
Calcium	65.0	mg/L		0.5		2	E200.7	10/10/08 11:39/eli-c
Chloride	16	mg/L		1		1	E300.0	09/25/08 14:06/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	09/25/08 14:06/jmh
Magnesium	24.6	mg/L		0.5		2	E200.7	10/10/08 11:39/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	09/30/08 14:11/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/25/08 14:06/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/25/08 14:06/jmh
Potassium	9.3	mg/L		0.5		2	E200.7	10/10/08 11:39/eli-c
Sodium	212	mg/L		2		2	E200.7	10/10/08 11:39/eli-c
Sulfate	515	mg/L	D	3		50	E300.0	09/25/08 13:50/jmh
Silica	8.5	mg/L		0.2		2	E200.7	10/10/08 11:39/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1020	umhos/cm		5.0		1	A2510 B	09/25/08 10:33/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	09/25/08 00:00/jmh
pH	7.84	s.u.		0.01		1	A4500-H B	09/25/08 11:18/tb
Sodium Adsorption Ratio (SAR)	5.7	unitless		0.10		1	Calculation	11/17/08 14:15/ADM
Solids, Total Dissolved TDS @ 180 C	890	mg/L		5		1	A2540 C	09/30/08 13:53/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	10/10/08 11:39/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	10/02/08 04:17/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/02/08 04:17/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/10/08 11:39/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/02/08 04:17/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/02/08 04:17/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/02/08 04:17/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/10/08 11:39/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/02/08 04:17/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	10/02/08 04:17/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/02/08 04:17/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/02/08 04:17/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/02/08 04:17/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/02/08 16:05/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/02/08 04:17/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/02/08 04:17/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 4 of 27



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090356-002
Client Sample ID: DewBurd GW681

Report Date: 11/20/08
Collection Date: 09/23/08 13:55
Date Received: 09/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Uranium	0.0093	mg/L		0.0003		1	E200.8	10/02/08 04:17/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/02/08 04:17/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/02/08 04:17/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	09/30/08 19:45/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/02/08 11:33/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/02/08 16:47/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1180	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Alpha precision (±)	24.8	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Alpha MDC	4.8	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Beta	264	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Beta precision (±)	5.8	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Beta MDC	4.5	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Lead 210	28.3	pCi/L				1	E909.0M	10/02/08 10:37/eli-c
Lead 210 precision (±)	5.8	pCi/L				1	E909.0M	10/02/08 10:37/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	10/02/08 10:37/eli-c
Polonium 210	0.8	pCi/L	U	1.0		1	RMO-3008	10/02/08 14:54/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	10/02/08 14:54/eli-c
Radium 226	445	pCi/L				1	E903.0	10/21/08 08:28/eli-c
Radium 226 precision (±)	4.1	pCi/L				1	E903.0	10/21/08 08:28/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	10/27/08 15:37/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	10/27/08 15:37/eli-c
Gross Gamma	1200	pCi/L				1	E901.1	10/13/08 15:50/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	10/13/08 15:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.9	pCi/L	U			1	E909.0M	10/01/08 08:40/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	10/01/08 08:40/eli-c
Lead 210 MDC	7.8	pCi/L				1	E909.0M	10/01/08 08:40/eli-c
Polonium 210	0.88	pCi/L				1	RMO-3008	10/09/08 09:13/eli-c
Polonium 210 precision (±)	0.63	pCi/L				1	RMO-3008	10/09/08 09:13/eli-c
Radium 226	0.9	pCi/L				1	E903.0	10/09/08 07:33/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	10/09/08 07:33/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	10/09/08 07:33/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 5 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090356-002
Client Sample ID: DewBurd GW681

Report Date: 11/20/08
Collection Date: 09/23/08 13:55
Date Received: 09/24/08
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	09/30/08 16:00/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	09/30/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	304000	pCi/L		100		1	D5072-92	09/26/08 15:10/eli-c
Radon 222 precision (±)	704	pCi/L				1	D5072-92	09/26/08 15:10/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	10/03/08 16:50/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	10/03/08 16:50/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/03/08 16:50/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	10/03/08 16:50/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/10/08 21:40/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/03/08 16:50/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/03/08 16:50/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/03/08 16:50/eli-c
Iron	0.07	mg/L		0.03		2	E200.7	10/10/08 21:40/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/03/08 16:50/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	10/03/08 16:50/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	09/29/08 12:07/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	10/03/08 16:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/03/08 16:50/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/03/08 16:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/03/08 16:50/eli-c
Strontium	1.2	mg/L		0.1		1	E200.8	10/03/08 16:50/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	10/03/08 16:50/eli-c
Uranium	0.0098	mg/L		0.0003		1	E200.8	10/03/08 16:50/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/03/08 16:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.190	%				1	A1030 E	11/17/08 00:00/jmh
Anions	14.7	meq/L				1	A1030 E	11/17/08 00:00/jmh
Cations	14.7	meq/L				1	A1030 E	11/17/08 00:00/jmh
Solids, Total Dissolved Calculated	969	mg/L				1	A1030 E	11/17/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.920					1	A1030 E	11/17/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 6 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-009
Client Sample ID: DewBurd GW681

Report Date: 12/29/08
Collection Date: 10/20/08 15:00
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	176	mg/L		5		1	A2320 B	10/27/08 16:02/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	10/27/08 16:02/mb
Bicarbonate as HCO ₃	215	mg/L		5		1	A2320 B	10/27/08 16:02/mb
Calcium	61.4	mg/L		0.5		2	E200.7	11/05/08 18:01/eli-c
Chloride	17	mg/L		1		1	E300.0	10/23/08 03:21/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	10/23/08 03:21/jmh
Magnesium	23.2	mg/L		0.5		2	E200.7	11/05/08 18:01/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	10/23/08 18:05/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/23/08 03:21/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	10/23/08 03:21/jmh
Potassium	9.5	mg/L		0.5		2	E200.7	11/05/08 18:01/eli-c
Sodium	216	mg/L	D	2		2	E200.7	11/05/08 18:01/eli-c
Sulfate	491	mg/L	D	3		50	E300.0	10/23/08 03:05/jmh
Silica	8.5	mg/L		0.2		2	E200.7	11/05/08 18:01/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1380	umhos/cm		5.0		1	A2510 B	10/28/08 17:24/lb
Oxidation-Reduction Potential	210	mV				1	A2580 B	10/27/08 19:00/jmh
pH	8.06	s.u.		0.01		1	A4500-H B	10/28/08 13:47/lb
Sodium Adsorption Ratio (SAR)	6.0	unitless		0.10		1	Calculation	12/10/08 17:07/ADM
Solids, Total Dissolved TDS @ 180 C	880	mg/L		5		1	A2540 C	10/24/08 15:48/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	11/05/08 18:01/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	11/05/08 07:00/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/05/08 07:00/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 18:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/05/08 07:00/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/05/08 07:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/05/08 07:00/eli-c
Iron	ND	mg/L		0.03		2	E200.7	11/05/08 18:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/05/08 07:00/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	11/05/08 07:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/05/08 07:00/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/05/08 07:00/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/05/08 07:00/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/31/08 10:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/05/08 15:17/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/05/08 07:00/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.
D - RL increased due to sample matrix interference.

Page 25 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-009
Client Sample ID: DewBurd GW681

Report Date: 12/29/08
Collection Date: 10/20/08 15:00
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0094	mg/L		0.0003		1	E200.8	11/05/08 07:00/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/05/08 07:00/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/05/08 07:00/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/06/08 16:14/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/30/08 14:59/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/08 10:28/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	144G	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Alpha precision (±)	24.5	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Beta	412	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Beta precision (±)	6.6	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Beta MDC	4.1	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Lead 210	22.6	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Lead 210 precision (±)	4.0	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Lead 210 MDC	6.1	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Polonium 210	5.1	pCi/L		1.0		1	RMO-3008	11/19/08 09:23/eli-c
Polonium 210 precision (±)	1.8	pCi/L				1	RMO-3008	11/19/08 09:23/eli-c
Radium 226	356	pCi/L				1	E903.0	11/11/08 00:38/eli-c
Radium 226 precision (±)	3.5	pCi/L				1	E903.0	11/11/08 00:38/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	11/20/08 08:50/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	11/20/08 08:50/eli-c
Gross Gamma	22000	pCi/L				1	E901.1	10/27/08 11:00/eli-c
Gross Gamma precision (±)	570	pCi/L				1	E901.1	10/27/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	18.0	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Lead 210 precision (±)	4.3	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Lead 210 MDC	6.8	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Polonium 210	1.5	pCi/L		1.0		1	RMO-3008	11/13/08 12:40/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	11/13/08 12:40/eli-c
Radium 226	1.3	pCi/L				1	E903.0	11/11/08 13:02/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	11/11/08 13:02/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	11/11/08 13:02/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 26 of 42



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-009
Client Sample ID: DewBurd GW681

Report Date: 12/29/08
Collection Date: 10/20/08 15:00
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	-0.2	pCi/L	U	0.2		1	E907.0	11/07/08 14:30/eli-c
Thorium 230 precision (±)	0.02	pCi/L				1	E907.0	11/07/08 14:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	344000	pCi/L		100		1	D5072-92	10/24/08 12:24/eli-c
Radon 222 precision (±)	809	pCi/L				1	D5072-92	10/24/08 12:24/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	11/05/08 17:52/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	11/05/08 17:52/eli-c
Barium	ND	mg/L		0.1		2	E200.7	11/05/08 19:28/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	11/05/08 17:52/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 19:28/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/05/08 17:52/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	11/05/08 19:28/eli-c
Copper	ND	mg/L		0.01		2	E200.7	11/05/08 19:28/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	11/05/08 19:28/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/05/08 17:52/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	11/05/08 19:28/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	10/27/08 09:53/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	11/05/08 19:28/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	11/05/08 19:28/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	11/05/08 17:52/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/05/08 17:52/eli-c
Strontium	1.2	mg/L		0.1		2	E200.7	11/05/08 19:28/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	11/05/08 17:52/eli-c
Uranium	0.0102	mg/L		0.0003		1	E200.8	11/06/08 16:47/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	11/05/08 19:28/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.42	%				1	A1030 E	12/10/08 00:00/jmh
Anions	14.2	meq/L				1	A1030 E	12/10/08 00:00/jmh
Cations	14.6	meq/L				1	A1030 E	12/10/08 00:00/jmh
Solids, Total Dissolved Calculated	947	mg/L				1	A1030 E	12/10/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.930					1	A1030 E	12/10/08 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

Page 27 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-012
Client Sample ID: DewBurd GW681

Report Date: 01/29/09
Collection Date: 11/18/08 13:55
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	172	mg/L		5		1	A2320 B	11/25/08 11:50/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	11/25/08 11:50/mb
Bicarbonate as HCO ₃	210	mg/L		5		1	A2320 B	11/25/08 11:50/mb
Calcium	64.7	mg/L		0.5		2	E200.7	12/10/08 18:13/eli-c
Chloride	16	mg/L		1		1	E300.0	11/20/08 23:15/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/20/08 23:15/jmh
Magnesium	24.5	mg/L		0.5		2	E200.7	12/10/08 18:13/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	11/25/08 17:31/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/20/08 23:15/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/20/08 23:15/jmh
Potassium	9.7	mg/L		0.5		2	E200.7	12/10/08 18:13/eli-c
Sodium	218	mg/L	D	2		2	E200.7	12/10/08 18:13/eli-c
Sulfate	478	mg/L	D	3		50	E300.0	11/21/08 08:33/jmh
Silica	8.7	mg/L		0.2		2	E200.7	12/10/08 18:13/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1270	umhos/cm		5.0		1	A2510 B	11/25/08 15:46/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	11/25/08 16:00/jmh
pH	8.16	s.u.		0.01		1	A4500-H B	11/25/08 15:00/tb
Sodium Adsorption Ratio (SAR)	5.9	unitless		0.10		1	Calculation	01/29/09 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	900	mg/L		5		1	A2540 C	11/21/08 11:49/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/03/08 21:28/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	12/03/08 21:28/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/03/08 21:28/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/10/08 18:13/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/03/08 21:28/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/03/08 21:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/03/08 21:28/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/10/08 18:13/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/03/08 21:28/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	12/03/08 21:28/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/03/08 21:28/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/03/08 21:28/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/03/08 21:28/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/05/08 10:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/08/08 18:20/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/03/08 21:28/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 34 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-012
Client Sample ID: DewBurd GW681

Report Date: 01/29/09
Collection Date: 11/18/08 13:55
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0098	mg/L		0.0003		1	E200.8	12/03/08 21:28/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/03/08 21:28/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/03/08 21:28/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	12/11/08 04:32/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/04/08 16:07/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/05/08 11:31/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1850	pCi/L				1	E900.0	12/24/08 13:29/eli-ca
Gross Alpha precision (±)	29.4	pCi/L				1	E900.0	12/24/08 13:29/eli-ca
Gross Alpha MDC	4.3	pCi/L				1	E900.0	12/24/08 13:29/eli-ca
Gross Beta	605	pCi/L				1	E900.0	12/24/08 13:29/eli-ca
Gross Beta precision (±)	9.2	pCi/L				1	E900.0	12/24/08 13:29/eli-ca
Gross Beta MDC	5.6	pCi/L				1	E900.0	12/24/08 13:29/eli-ca
Lead 210	29.0	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Lead 210 precision (±)	5.6	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Lead 210 MDC	8.7	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Polonium 210	2.9	pCi/L		1.0		1	RMO-3008	12/11/08 10:19/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	12/11/08 10:19/eli-c
Radium 226	398	pCi/L				1	E903.0	12/17/08 00:57/eli-ca
Radium 226 precision (±)	3.7	pCi/L				1	E903.0	12/17/08 00:57/eli-ca
Radium 226 MDC	0.2	pCi/L				1	E903.0	12/17/08 00:57/eli-ca
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	12/12/08 16:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	12/12/08 16:26/eli-c
Gross Gamma	2100	pCi/L		20		1	E901.1	12/03/08 15:07/eli-c
Gross Gamma precision (±)	270	pCi/L				1	E901.1	12/03/08 15:07/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	10.8	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Lead 210 precision (±)	5.6	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Polonium 210	2.2	pCi/L				1	RMO-3008	12/30/08 08:57/eli-c
Polonium 210 precision (±)	0.88	pCi/L				1	RMO-3008	12/30/08 08:57/eli-c
Radium 226	0.08	pCi/L	U			1	E903.0	12/18/08 17:20/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/18/08 17:20/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 35 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-012
Client Sample ID: DewBurd GW681

Report Date: 01/29/09
Collection Date: 11/18/08 13:55
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.4	pCi/L				1	E903.0	12/18/08 17:20/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	12/11/08 15:00/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	12/11/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	335000	pCi/L		100		1	D5072-92	11/23/08 09:20/eli-c
Radon 222 precision (±)	872	pCi/L				1	D5072-92	11/23/08 09:20/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/05/08 08:06/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	12/05/08 08:06/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/05/08 08:06/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	12/05/08 08:06/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/10/08 23:10/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/05/08 08:06/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/05/08 08:06/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/05/08 08:06/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	12/10/08 23:10/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/05/08 08:06/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	12/05/08 08:06/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	11/24/08 09:16/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	12/05/08 08:06/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/05/08 08:06/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	12/05/08 08:06/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/08/08 16:24/eli-c
Strontium	1.1	mg/L		0.1		1	E200.8	12/05/08 08:06/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/05/08 08:06/eli-c
Uranium	0.0087	mg/L		0.0003		1	E200.8	12/05/08 08:06/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/05/08 08:06/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.94	%				1	A1030 E	01/29/09 00:00/jmh
Anions	13.9	meq/L				1	A1030 E	01/29/09 00:00/jmh
Cations	15.0	meq/L				1	A1030 E	01/29/09 00:00/jmh
Solids, Total Dissolved Calculated	939	mg/L				1	A1030 E	01/29/09 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	01/29/09 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 36 of 42



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-002
Client Sample ID: DewBurd GW681

Report Date: 01/27/09
Collection Date: 12/17/08 10:48
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	170	mg/L		5		1	A2320 B	12/23/08 10:13/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/23/08 10:13/mb
Bicarbonate as HCO3	207	mg/L		5		1	A2320 B	12/23/08 10:13/mb
Calcium	62.9	mg/L		0.5		2	E200.7	01/05/09 12:43/eli-c
Chloride	15	mg/L		1		1	E300.0	12/18/08 22:34/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	12/18/08 22:34/jmh
Magnesium	23.9	mg/L		0.5		2	E200.7	01/05/09 12:43/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/26/08 14:52/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	12/18/08 22:34/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	12/18/08 22:34/jmh
Potassium	9.7	mg/L		0.5		2	E200.7	01/05/09 12:43/eli-c
Sodium	215	mg/L	D	2		2	E200.7	01/05/09 12:43/eli-c
Sulfate	453	mg/L	D	3		50	E300.0	12/18/08 22:18/jmh
Silica	9.3	mg/L		0.2		2	E200.7	01/05/09 12:43/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1280	umhos/cm		5.0		1	A2510 B	12/19/08 09:04/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	12/23/08 14:30/jmh
pH	7.82	s.u.		0.01		1	A4500-H B	12/19/08 10:22/tb
Sodium Adsorption Ratio (SAR)	5.9	unitless		0.10		1	Calculation	01/23/09 16:16/ADM
Solids, Total Dissolved TDS @ 180 C	900	mg/L		5		1	A2540 C	12/22/08 12:08/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/26/08 18:10/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	12/26/08 18:10/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/26/08 18:10/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 12:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/26/08 18:10/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/26/08 18:10/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/26/08 18:10/eli-c
Iron	ND	mg/L		0.03		2	E200.7	01/05/09 12:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/26/08 18:10/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	12/26/08 18:10/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/26/08 18:10/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/26/08 18:10/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/26/08 18:10/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	01/09/09 15:44/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/26/08 18:10/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/26/08 18:10/eli-c

Report: RL - Analyte reporting limit.
Definitions: 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.

Page 4 of 39



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-002
Client Sample ID: DewBurd GW681

Report Date: 01/27/09
Collection Date: 12/17/08 10:48
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		DF	Method	Analysis Date / By
				RL	QCL			
METALS - DISSOLVED								
Uranium	0.0083	mg/L		0.0003		1	E200.8	12/26/08 18:10/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/26/08 18:10/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/26/08 18:10/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L	D	0.0009		1	E200.8	01/01/09 21:38/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/08/09 15:12/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	01/09/09 16:57/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1560	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Alpha precision (±)	26.2	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Alpha MDC	3.3	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Beta	526	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Beta precision (±)	8.7	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Beta MDC	5.3	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Lead 210	10.7	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Lead 210 MDC	4.0	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Polonium 210	4.8	pCi/L		1.0		1	RMO-3008	01/09/09 13:47/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	01/09/09 13:47/eli-c
Radium 226	291	pCi/L				1	E903.0	01/05/09 12:37/eli-ca
Radium 226 precision (±)	2.9	pCi/L				1	E903.0	01/05/09 12:37/eli-ca
Radium 226 MDC	0.2	pCi/L				1	E903.0	01/05/09 12:37/eli-ca
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	01/08/09 08:39/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	01/08/09 08:39/eli-c
Gross Gamma	320	pCi/L				1	E901.1	12/29/08 12:00/eli-c
Gross Gamma precision (±)	53	pCi/L				1	E901.1	12/29/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	24.2	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Lead 210 precision (±)	6.6	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Lead 210 MDC	10.4	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Polonium 210	9.2	pCi/L		1.0		1	RMO-3008	01/15/09 14:33/eli-c
Polonium 210 precision (±)	2.4	pCi/L				1	RMO-3008	01/15/09 14:33/eli-c
Radium 226	1.5	pCi/L				1	E903.0	01/21/09 21:42/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	01/21/09 21:42/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 5 of 39



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-002
Client Sample ID: DewBurd GW681

Report Date: 01/27/09
Collection Date: 12/17/08 10:48
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.5	pCi/L				1	E903.0	01/21/09 21:42/eli-c
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	01/07/09 09:04/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	01/07/09 09:04/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	2200	pCi/L		100		1	D5072-92	12/19/08 15:40/eli-c
Radon 222 precision (±)	73.0	pCi/L				1	D5072-92	12/19/08 15:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/30/08 02:00/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	12/30/08 02:00/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/30/08 02:00/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	01/01/09 21:02/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 17:11/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/30/08 02:00/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/30/08 02:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/30/08 02:00/eli-c
Iron	0.09	mg/L		0.03		2	E200.7	01/05/09 17:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/30/08 02:00/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	12/30/08 02:00/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	12/26/08 15:07/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	01/01/09 21:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/30/08 02:00/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	12/30/08 02:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/02/09 19:38/eli-c
Strontium	1.1	mg/L		0.1		1	E200.8	12/30/08 02:00/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/30/08 02:00/eli-c
Uranium	0.0077	mg/L		0.0003		1	E200.8	12/30/08 02:00/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/12/09 16:55/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.22	%				1	A1030 E	01/23/09 00:00/jmh
Anions	13.3	meq/L				1	A1030 E	01/23/09 00:00/jmh
Cations	14.7	meq/L				1	A1030 E	01/23/09 00:00/jmh
Solids, Total Dissolved Calculated	907	mg/L				1	A1030 E	01/23/09 00:00/jmh
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	01/23/09 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 6 of 39



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-007
Client Sample ID: DewBurd GW681

Report Date: 03/17/09
Collection Date: 01/20/09 12:50
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	170	mg/L		5		1	A2320 B	01/26/09 14:23/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	01/26/09 14:23/mb
Bicarbonate as HCO3	207	mg/L		5		1	A2320 B	01/26/09 14:23/mb
Calcium	53.6	mg/L		0.5		2	E200.7	01/30/09 20:28/eli-c
Chloride	13	mg/L		1		1	E300.0	01/22/09 03:39/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	01/22/09 03:39/jmh
Magnesium	20.9	mg/L		0.5		2	E200.7	01/30/09 20:28/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	01/21/09 17:19/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	01/22/09 03:39/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	01/22/09 03:39/jmh
Potassium	10	mg/L		0.5		2	E200.7	01/30/09 20:28/eli-c
Sodium	213	mg/L		0.5		2	E200.7	01/30/09 20:28/eli-c
Sulfate	465	mg/L	D	3		50	E300.0	01/22/09 03:23/jmh
Silica	7.8	mg/L		0.2		2	E200.7	01/30/09 20:28/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1310	umhos/cm		5.0		1	A2510 B	01/22/09 14:56/tb
Oxidation-Reduction Potential	270	mV				1	A2580 B	01/27/09 11:00/jmh
pH	7.85	s.u.		0.01		1	A4500-H B	01/22/09 10:10/tb
Sodium Adsorption Ratio (SAR)	6.2	unitless		0.10		1	Calculation	03/16/09 16:28/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	01/26/09 09:19/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/03/09 17:38/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	01/30/09 18:44/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/30/09 18:44/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/30/09 20:28/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/30/09 18:44/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/30/09 18:44/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/30/09 18:44/eli-c
Iron	ND	mg/L		0.03		2	E200.7	01/30/09 20:28/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/30/09 18:44/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	01/30/09 18:44/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/03/09 17:38/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/30/09 18:44/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/30/09 18:44/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/09 10:30/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/30/09 18:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/30/09 18:44/eli-c
Uranium	0.0081	mg/L		0.0003		1	E200.8	01/30/09 18:44/eli-c

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Page 19 of 42

Definitions: 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: R09010301-007
Client Sample ID: DewBurd GW681

Report Date: 03/17/09
Collection Date: 01/20/09 12:50
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	01/30/09 18:44/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/30/09 18:44/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/09 00:16/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/24/09 16:28/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/09 11:07/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1210	pCi/L				1	E900.0	02/07/09 01:11/eli-cs
Gross Alpha precision (±)	21.8	pCi/L				1	E900.0	02/07/09 01:11/eli-cs
Gross Alpha MDC	3.4	pCi/L				1	E900.0	02/07/09 01:11/eli-cs
Gross Beta	361	pCi/L				1	E900.0	02/07/09 01:11/eli-cs
Gross Beta precision (±)	6.5	pCi/L				1	E900.0	02/07/09 01:11/eli-cs
Gross Beta MDC	4.4	pCi/L				1	E900.0	02/07/09 01:11/eli-cs
Lead 210	11.5	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Lead 210 precision (±)	2.7	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Lead 210 MDC	4.2	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Polonium 210	3.8	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 MDC	0.75	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Radium 226	258	pCi/L				1	E903.0	02/05/09 12:53/eli-cs
Radium 226 precision (±)	3.6	pCi/L				1	E903.0	02/05/09 12:53/eli-cs
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	02/06/09 08:45/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	02/06/09 08:45/eli-c
Gross Gamma	190	pCi/L				1	E901.1	02/04/09 14:00/eli-c
Gross Gamma precision (±)	46	pCi/L				1	E901.1	02/04/09 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	2.2	pCi/L	U			1	E909.0M	03/10/09 13:35/eli-c
Lead 210 precision (±)	4.8	pCi/L				1	E909.0M	03/10/09 13:35/eli-c
Lead 210 MDC	8.0	pCi/L				1	E909.0M	03/10/09 13:35/eli-c
Polonium 210	1.7	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 precision (±)	0.88	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 MDC	0.65	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Radium 226	1.1	pCi/L				1	E903.0	02/18/09 13:41/eli-cs
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	02/18/09 13:41/eli-cs
Radium 226 MDC	0.5	pCi/L				1	E903.0	02/18/09 13:41/eli-cs

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

Page 20 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-007
Client Sample ID: DewBurd GW681

Report Date: 03/17/09
Collection Date: 01/20/09 12:50
Date Received: 01/21/09
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	02/26/09 08:59/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	02/26/09 08:59/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	133000	pCi/L		100		1	D5072-92	01/23/09 14:10/eli-c
Radon 222 precision (±)	469	pCi/L				1	D5072-92	01/23/09 14:10/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	01/30/09 21:13/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/04/09 18:03/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/30/09 21:13/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	01/30/09 21:13/eli-c
Boron	ND	mg/L		0.1		2	E200.7	02/05/09 19:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/30/09 21:13/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/30/09 21:13/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/30/09 21:13/eli-c
Iron	0.07	mg/L	D	0.04		2	E200.7	02/05/09 19:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/30/09 21:13/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	01/30/09 21:13/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	01/26/09 10:41/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	02/04/09 18:03/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/30/09 21:13/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/04/09 18:03/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/30/09 21:13/eli-c
Strontium	1.1	mg/L		0.1		1	E200.8	02/04/09 18:03/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	01/30/09 21:13/eli-c
Uranium	0.0084	mg/L		0.0003		1	E200.8	01/30/09 21:13/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	01/30/09 21:13/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.57	%				1	A1030 E	03/16/09 00:00/kl
Anions	13.5	meq/L				1	A1030 E	03/16/09 00:00/kl
Cations	13.9	meq/L				1	A1030 E	03/16/09 00:00/kl
Solids, Total Dissolved Calculated	899	mg/L				1	A1030 E	03/16/09 00:00/kl
TDS Balance (0.80 - 1.20)	1.05					1	A1030 E	03/16/09 00:00/kl

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.
U - Not detected at minimum detectable concentration

Page 21 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-011
Client Sample ID: DewBurd GW681

Report Date: 04/14/09
Collection Date: 02/24/09 16:18
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	174	mg/L		5		1	A2320 B	03/03/09 14:48/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/03/09 14:48/mb
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	03/03/09 14:48/mb
Calcium	63	mg/L	D	6		5	E200.7	03/06/09 23:01/eli-c
Chloride	13	mg/L		1		1	E300.0	02/26/09 07:30/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	02/26/09 07:30/jmh
Magnesium	24.4	mg/L		0.5		5	E200.7	03/06/09 23:01/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/27/09 15:41/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/26/09 07:30/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/26/09 07:30/jmh
Potassium	10.3	mg/L		0.5		5	E200.7	03/06/09 23:01/eli-c
Sodium	200	mg/L		0.5		5	E200.7	03/06/09 23:01/eli-c
Sulfate	479	mg/L	D	3		50	E300.0	02/26/09 06:40/jmh
Silica	7.9	mg/L		0.2		5	E200.7	03/06/09 23:01/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1300	umhos/cm		5.0		1	A2510 B	02/27/09 13:03/tb
Oxidation-Reduction Potential	140	mV				1	A2580 B	03/02/09 11:00/jmh
pH	7.83	s.u.		0.01		1	A4500-H B	02/27/09 11:10/tb
Sodium Adsorption Ratio (SAR)	5.4	unitless		0.10		1	Calculation	04/07/09 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	900	mg/L		5		1	A2540 C	03/02/09 10:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	03/04/09 21:33/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	03/04/09 21:33/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/04/09 21:33/eli-c
Boron	ND	mg/L		0.1		5	E200.7	03/06/09 23:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/04/09 21:33/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/04/09 21:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/04/09 21:33/eli-c
Iron	ND	mg/L		0.03		5	E200.7	03/06/09 23:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/04/09 21:33/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	03/04/09 21:33/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	03/04/09 21:33/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	03/04/09 21:33/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/04/09 21:33/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	03/09/09 11:12/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	03/04/09 21:33/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	03/04/09 21:33/eli-c
Uranium	0.0092	mg/L		0.0003		1	E200.8	03/04/09 21:33/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 39 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-011
Client Sample ID: DewBurd GW681

Report Date: 04/14/09
Collection Date: 02/24/09 16:18
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	03/04/09 21:33/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/04/09 21:33/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/10/09 03:53/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/06/09 14:25/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/09/09 13:39/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1460	pCi/L				1	E900.0	03/12/09 11:11/eli-c
Gross Alpha precision (±)	26.4	pCi/L				1	E900.0	03/12/09 11:11/eli-c
Gross Alpha MDC	4.7	pCi/L				1	E900.0	03/12/09 11:11/eli-c
Gross Beta	402	pCi/L				1	E900.0	03/12/09 11:11/eli-c
Gross Beta precision (±)	7.9	pCi/L				1	E900.0	03/12/09 11:11/eli-c
Gross Beta MDC	5.7	pCi/L				1	E900.0	03/12/09 11:11/eli-c
Lead 210	37.6	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Lead 210 precision (±)	3.6	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Lead 210 MDC	5.4	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Polonium 210	0.28	pCi/L	U			1	E912.0	03/10/09 13:10/eli-c
Polonium 210 MDC	0.46	pCi/L				1	E912.0	03/10/09 13:10/eli-c
Polonium 210 precision (±)	0.35	pCi/L				1	E912.0	03/10/09 13:10/eli-c
Radium 226	336	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Radium 226 precision (±)	3.0	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Thorium 230	-0.001	pCi/L	U			1	E907.0	03/13/09 12:03/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Gross Gamma	6000	pCi/L				1	E901.1	03/06/09 09:10/eli-c
Gross Gamma precision (±)	350	pCi/L				1	E901.1	03/06/09 09:10/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	25.9	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Lead 210 precision (±)	3.7	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Lead 210 MDC	5.7	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Polonium 210	2.3	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Polonium 210 MDC	0.62	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Radium 226	1.3	pCi/L				1	E903.0	03/17/09 14:53/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

Page 40 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-011
Client Sample ID: DewBurd GW681

Report Date: 04/14/09
Collection Date: 02/24/09 16:18
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL	DF			
RADIONUCLIDES - SUSPENDED									
Radium 226 precision (±)	0.4	pCi/L					1	E903.0	03/17/09 14:53/eli-c
Radium 226 MDC	0.3	pCi/L					1	E903.0	03/17/09 14:53/eli-c
Thorium 230	0.1	pCi/L	U				1	E907.0	03/14/09 15:06/eli-c
Thorium 230 MDC	0.3	pCi/L					1	E907.0	03/14/09 15:06/eli-c
Thorium 230 precision (±)	0.2	pCi/L					1	E907.0	03/14/09 15:06/eli-c
RADIONUCLIDES - TOTAL									
Radon 222	389000	pCi/L		100			1	D5072-92	02/28/09 09:50/eli-c
Radon 222 precision (±)	851	pCi/L					1	D5072-92	02/28/09 09:50/eli-c
TOTAL METALS ANALYSES									
Antimony	ND	mg/L		0.003			1	E200.8	03/10/09 05:49/eli-c
Arsenic	0.002	mg/L		0.001			1	E200.8	03/10/09 05:49/eli-c
Barium	ND	mg/L		0.1			5	E200.7	03/06/09 23:06/eli-c
Beryllium	ND	mg/L		0.001			1	E200.8	03/11/09 06:10/eli-c
Boron	ND	mg/L	D	0.2			5	E200.7	03/10/09 19:34/eli-c
Cadmium	ND	mg/L		0.005			1	E200.8	03/10/09 05:49/eli-c
Chromium	ND	mg/L		0.05			1	E200.8	03/10/09 05:49/eli-c
Copper	ND	mg/L		0.01			1	E200.8	03/10/09 05:49/eli-c
Iron	0.04	mg/L		0.03			1	E200.8	03/10/09 05:49/eli-c
Lead	ND	mg/L		0.001			1	E200.8	03/10/09 05:49/eli-c
Manganese	0.08	mg/L		0.01			1	E200.8	03/06/09 03:54/eli-c
Mercury	ND	mg/L		0.001			1	E245.1	02/27/09 16:19/eli-b
Molybdenum	ND	mg/L		0.1			1	E200.8	03/11/09 06:10/eli-c
Nickel	ND	mg/L		0.05			1	E200.8	03/10/09 05:49/eli-c
Selenium	ND	mg/L		0.001			1	E200.8	03/10/09 05:49/eli-c
Silver	ND	mg/L		0.005			1	E200.8	03/10/09 05:49/eli-c
Strontium	1.2	mg/L		0.1			1	E200.8	03/10/09 05:49/eli-c
Thallium	ND	mg/L		0.001			1	E200.8	03/10/09 05:49/eli-c
Uranium	0.0086	mg/L		0.0003			1	E200.8	03/10/09 05:49/eli-c
Zinc	ND	mg/L		0.01			1	E200.8	03/10/09 05:49/eli-c
DATA QUALITY									
A/C Balance (± 5)	0.990	%					1	A1030 E	04/14/09 00:00/ADM
Anions	13.9	meq/L					1	A1030 E	04/14/09 00:00/ADM
Cations	14.1	meq/L					1	A1030 E	04/14/09 00:00/ADM
Solids, Total Dissolved Calculated	916	mg/L					1	A1030 E	04/14/09 00:00/ADM
TDS Balance (0.80 - 1.20)	0.980						1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: 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.

Page 41 of 57



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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 CaCO ₃	98	mg/L		5		1	A2320 B	04/07/08 11:29/mb
Carbonate as CO ₃	53	mg/L		5		1	A2320 B	04/07/08 11:29/mb
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.
Definitions: 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.

Page 1 of 3



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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 RL - Analyte reporting limit.
Definitions: 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.

Page 2 of 3



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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 RL - Analyte reporting limit.
Definitions: 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.

Page 3 of 3



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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 CaCO ₃	90	mg/L		5		1	A2320 B	04/25/08 15:25/mb
Carbonate as CO ₃	17	mg/L		5		1	A2320 B	04/25/08 15:25/mb
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit. MCL - Maximum contaminant level. Page 5 of 27
Definitions: 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: 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 RL - Analyte reporting limit.
Definitions: 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

Page 6 of 27



POWERTECH (USA) INC.



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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	05/05/08 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: RL - Analyte reporting limit.
Definitions: 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

Page 7 of 27



POWERTECH (USA) INC.



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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/		Method	Analysis Date / By
					QCL	DF		
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.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 8 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060210-002
Client Sample ID: DewBurd GW688

Report Date: 08/15/08
Collection Date: 06/10/08 16:37
Date Received: 06/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	100	mg/L		5		1	A2320 B	06/12/08 14:57/mb
Carbonate as CO3	7	mg/L		5		1	A2320 B	06/12/08 14:57/mb
Bicarbonate as HCO3	107	mg/L		5		1	A2320 B	06/12/08 14:57/mb
Calcium	34.1	mg/L		0.5		2	E200.7	06/26/08 15:26/eli-c
Chloride	11	mg/L		1		1	E300.0	06/12/08 19:10/eli-g
Fluoride	0.5	mg/L		0.1		1	E300.0	06/12/08 19:10/eli-g
Magnesium	16.6	mg/L		0.5		2	E200.7	06/26/08 15:26/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	06/19/08 10:57/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/12/08 19:10/eli-g
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/12/08 19:10/eli-g
Potassium	12.5	mg/L		0.5		2	E200.7	06/26/08 15:26/eli-c
Silica	3.7	mg/L		0.5		2	E200.7	06/26/08 15:26/eli-c
Sodium	195	mg/L	D	2		2	E200.7	06/26/08 15:26/eli-c
Sulfate	398	mg/L		1		5	E300.0	06/12/08 18:57/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1260	umhos/cm		5.0		1	A2510 B	06/18/08 09:38/tb
Oxidation-Reduction Potential	180	mV				1	A2580 B	06/17/08 00:00/jmh
pH	8.82	s.u.		0.01		1	A4500-H B	06/16/08 14:03/tb
Sodium Adsorption Ratio (SAR)	6.9	unitless		0.10		1	Calculation	07/30/08 11:38/ADM
Solids, Total Dissolved TDS @ 180 C	740	mg/L		5		1	A2540 C	06/13/08 12:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/04/08 02:00/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/04/08 02:00/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/26/08 15:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/04/08 02:00/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	06/26/08 15:26/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/04/08 02:00/eli-c
Manganese	0.02	mg/L		0.01		2	E200.7	06/26/08 15:26/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/04/08 02:00/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/26/08 15:26/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 11:47/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 4 of 6



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060210-002
Client Sample ID: DewBurd GW688

Report Date: 08/15/08
Collection Date: 06/10/08 16:37
Date Received: 06/11/08
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	07/04/08 02:00/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/04/08 02:00/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/26/08 15:26/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/26/08 15:26/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/02/08 07:08/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:13/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	17.3	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Alpha precision (±)	2.7	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Alpha MDC	2.6	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Beta	17.1	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Gross Beta MDC	3.2	pCi/L				1	E900.0	07/11/08 09:45/eli-c
Lead 210	-0.5	pCi/L	U			1	E909.0M	06/25/08 09:15/eli-c
Lead 210 MDC	5.9	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Lead 210 precision (±)	3.5	pCi/L				1	E909.0M	06/25/08 09:15/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/30/08 12:00/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/30/08 12:00/eli-c
Radium 226	2.5	pCi/L				1	E903.0	07/15/08 23:27/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/15/08 23:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/09/08 12:34/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	07/09/08 12:34/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	06/17/08 16:05/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/17/08 16:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.8	pCi/L	U			1	E909.0M	07/08/08 09:00/eli-c
Lead 210 precision (±)	6.4	pCi/L				1	E909.0M	07/08/08 09:00/eli-c
Lead 210 MDC	10.6	pCi/L				1	E909.0M	07/08/08 09:00/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	06/30/08 12:00/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	06/30/08 12:00/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	07/08/08 09:54/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 5 of 6



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060210-002
Client Sample ID: DewBurd GW688

Report Date: 08/15/08
Collection Date: 06/10/08 16:37
Date Received: 06/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/08/08 09:54/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/08/08 09:54/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	07/01/08 19:21/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/01/08 19:21/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	749	pCi/L		100		1	D5072-92	06/16/08 16:08/eli-c
Radon 222 precision (±)	105	pCi/L				1	D5072-92	06/16/08 16:08/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/27/08 05:47/eli-c
Arsenic	ND	mg/L	D	0.002		1	E200.8	06/27/08 05:47/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/18/08 23:13/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/27/08 05:47/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/18/08 23:13/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/27/08 05:47/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/18/08 23:13/eli-c
Copper	ND	mg/L		0.01		2	E200.7	06/18/08 23:13/eli-c
Iron	0.15	mg/L		0.03		2	E200.7	06/18/08 23:13/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/27/08 05:47/eli-c
Manganese	0.01	mg/L		0.01		2	E200.7	06/18/08 23:13/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/23/08 19:47/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/18/08 23:13/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/18/08 23:13/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/27/08 05:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 19:34/eli-c
Strontium	1.1	mg/L		0.1		2	E200.7	06/18/08 23:13/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/27/08 05:47/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/27/08 05:47/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/18/08 23:13/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.73	%				1	A1030 E	07/30/08 00:00/jmh
Anions	10.6	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	11.9	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	738	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	07/30/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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.

Page 6 of 6



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070005-002
Client Sample ID: DewBurd GW688

Report Date: 08/21/08
Collection Date: 06/30/08 18:39
Date Received: 07/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	136	mg/L		5		1	A2320 B	07/03/08 12:36/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 12:36/mb
Bicarbonate as HCO3	156	mg/L		5		1	A2320 B	07/03/08 12:36/mb
Calcium	40.4	mg/L		0.5		2	E200.7	07/10/08 18:47/eli-c
Chloride	11	mg/L		1		1	E300.0	07/01/08 22:52/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	07/01/08 22:52/jmh
Magnesium	19.2	mg/L		0.5		2	E200.7	07/10/08 18:47/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	07/12/08 17:07/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/01/08 22:52/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/01/08 22:52/jmh
Potassium	12.9	mg/L		0.5		2	E200.7	07/10/08 18:47/eli-c
Silica	3.8	mg/L		0.5		2	E200.7	07/10/08 18:47/eli-c
Sodium	191	mg/L	D	2		2	E200.7	07/10/08 18:47/eli-c
Sulfate	407	mg/L	D	3		50	E300.0	07/01/08 22:36/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1140	umhos/cm		5.0		1	A2510 B	07/02/08 11:40/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	07/07/08 14:00/jmh
pH	8.60	s.u.		0.01		1	A4500-H B	07/02/08 10:52/tb
Sodium Adsorption Ratio (SAR)	6.2	unitless		0.10		1	Calculation	08/21/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	770	mg/L		5		1	A2540 C	07/02/08 16:38/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/22/08 01:16/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/22/08 01:16/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/10/08 18:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/22/08 01:16/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/10/08 18:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/22/08 01:16/eli-c
Manganese	0.02	mg/L		0.01		2	E200.7	07/10/08 18:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/22/08 01:16/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/10/08 18:47/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/22/08 01:16/eli-c

Report RL - Analyte reporting limit.

Definitions: 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.

Page 4 of 6



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070005-002
Client Sample ID: DewBurd GW688

Report Date: 08/21/08
Collection Date: 06/30/08 18:39
Date Received: 07/01/08
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	07/22/08 01:16/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/22/08 01:16/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/10/08 18:47/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/10/08 18:47/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/21/08 12:57/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:40/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	13.2	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta	16.5	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta precision (±)	3.0	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta MDC	4.5	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Lead 210	-0.1	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	0.6	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/22/08 11:26/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	07/22/08 11:26/eli-c
Gross Gamma	1000	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.3	pCi/L	U			1	E909.0M	07/17/08 09:30/eli-c
Lead 210 precision (±)	6.0	pCi/L				1	E909.0M	07/17/08 09:30/eli-c
Lead 210 MDC	10.1	pCi/L				1	E909.0M	07/17/08 09:30/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	07/23/08 22:55/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 5 of 6



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070005-002
Client Sample ID: DewBurd GW688

Report Date: 08/21/08
Collection Date: 06/30/08 18:39
Date Received: 07/01/08
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	07/23/08 22:55/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/23/08 22:55/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/21/08 15:33/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/21/08 15:33/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	426	pCi/L		100		1	D5072-92	07/08/08 05:45/eli-c
Radon 222 precision (±)	91.9	pCi/L				1	D5072-92	07/08/08 05:45/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/08/08 12:42/eli-c
Arsenic	0.003	mg/L	D	0.002		10	E200.8	07/08/08 12:42/eli-c
Barium	ND	mg/L		0.1		10	E200.8	07/08/08 12:42/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/21/08 14:38/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/09/08 04:01/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/08/08 12:42/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/08/08 12:42/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/08/08 12:42/eli-c
Iron	0.08	mg/L		0.03		2	E200.7	07/09/08 04:01/eli-c
Lead	ND	mg/L	D	0.003		10	E200.8	07/08/08 12:42/eli-c
Manganese	0.02	mg/L		0.01		10	E200.8	07/08/08 12:42/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 09:14/eli-b
Molybdenum	ND	mg/L		0.1		10	E200.8	07/08/08 12:42/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/08/08 12:42/eli-c
Selenium	0.003	mg/L	D	0.002		10	E200.8	07/08/08 12:42/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/08/08 12:42/eli-c
Strontium	1.1	mg/L		0.1		10	E200.8	07/08/08 12:42/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/08/08 12:42/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	07/08/08 12:42/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	07/08/08 12:42/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.05	%				1	A1030 E	08/21/08 00:00/kl
Anions	11.5	meq/L				1	A1030 E	08/21/08 00:00/kl
Cations	12.3	meq/L				1	A1030 E	08/21/08 00:00/kl
Solids, Total Dissolved Calculated	774	mg/L				1	A1030 E	08/21/08 00:00/kl
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	08/21/08 00:00/kl

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.

Page 6 of 6



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-006
Client Sample ID: DewBurd GW688

Report Date: 09/12/08
Collection Date: 07/07/08 18:49
Date Received: 07/08/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	160	mg/L		5		1	A2320 B	07/15/08 14:58/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	07/15/08 14:58/mb
Bicarbonate as HCO ₃	190	mg/L		5		1	A2320 B	07/15/08 14:58/mb
Calcium	49.3	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Chloride	11	mg/L		1		1	E300.0	07/08/08 23:48/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/08/08 23:48/jmh
Magnesium	20.0	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH ₃ G	07/14/08 14:54/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/08/08 23:48/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/08/08 23:48/jmh
Potassium	15.6	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Silica	1.9	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Sodium	177	mg/L		0.5		1	E200.7	07/22/08 16:03/eli-c
Sulfate	413	mg/L	D	3		50	E300.0	07/08/08 23:32/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1170	umhos/cm		5.0		1	A2510 B	07/10/08 09:53/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	07/11/08 00:00/kh
pH	8.33	s.u.		0.01		1	A4500-H B	07/10/08 11:08/tb
Sodium Adsorption Ratio (SAR)	5.4	unitless		0.10		1	Calculation	09/11/08 08:58/ADM
Solids, Total Dissolved TDS @ 180 C	780	mg/L		5		1	A2540 C	07/11/08 14:29/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	07/22/08 16:03/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/26/08 05:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/26/08 05:08/eli-c
Boron	ND	mg/L		0.1		1	E200.7	07/22/08 16:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/26/08 05:08/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/26/08 05:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/26/08 05:08/eli-c
Iron	0.03	mg/L		0.03		1	E200.8	07/26/08 05:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/26/08 05:08/eli-c
Manganese	0.04	mg/L		0.01		1	E200.8	07/26/08 05:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/26/08 05:08/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/26/08 05:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/26/08 05:08/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/05/08 17:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/29/08 19:03/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/26/08 05:08/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 16 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-006
Client Sample ID: DewBurd GW688

Report Date: 09/12/08
Collection Date: 07/07/08 18:49
Date Received: 07/08/08
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	07/26/08 05:08/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/26/08 05:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/26/08 05:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/27/08 03:49/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/05/08 15:05/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/05/08 17:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	29.8	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha precision (±)	4.1	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Alpha MDC	3.4	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta	14.1	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta precision (±)	2.3	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Gross Beta MDC	3.5	pCi/L				1	E900.0	08/09/08 12:18/eli-c
Lead 210	-0.4	pCi/L	U			1	E909.0M	07/24/08 08:45/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Lead 210 MDC	7.9	pCi/L				1	E909.0M	07/24/08 08:45/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	0.88	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	6.7	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	08/05/08 16:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/08/08 11:01/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	08/08/08 11:01/eli-c
Gross Gamma	990	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-6	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.7	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	08/06/08 13:33/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 13:33/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	08/06/08 13:33/eli-c

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

Page 17 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070115-006
Client Sample ID: DewBurd GW688

Report Date: 09/12/08
Collection Date: 07/07/08 18:49
Date Received: 07/08/08
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	08/04/08 22:05/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/04/08 22:05/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	227	pCi/L		100		1	D5072-92	07/12/08 17:13/eli-c
Radon 222 precision (±)	50.3	pCi/L				1	D5072-92	07/12/08 17:13/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/29/08 03:09/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/21/08 18:11/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/21/08 18:11/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/29/08 03:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/21/08 18:11/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/21/08 18:11/eli-c
Iron	0.18	mg/L		0.03		2	E200.7	07/21/08 18:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	07/21/08 18:11/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/11/08 17:11/eli-b
Mercury	ND	mg/L		0.0001		1	E245.1	07/21/08 10:27/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/21/08 18:11/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/21/08 18:11/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/31/08 16:46/eli-c
Strontium	1.4	mg/L		0.1		2	E200.7	07/21/08 18:11/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/29/08 03:09/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/29/08 03:09/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/21/08 18:11/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.430	%				1	A1030 E	09/11/08 00:00/jmh
Anions	12.1	meq/L				1	A1030 E	09/11/08 00:00/jmh
Cations	12.2	meq/L				1	A1030 E	09/11/08 00:00/jmh
Solids, Total Dissolved Calculated	788	mg/L				1	A1030 E	09/11/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	09/11/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 18 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070471-001
Client Sample ID: DewBurd GW688

Report Date: 10/03/08
Collection Date: 07/28/08 15:45
Date Received: 07/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	160	mg/L		5		1	A2320 B	08/01/08 14:53/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	08/01/08 14:53/mb
Bicarbonate as HCO ₃	195	mg/L		5		1	A2320 B	08/01/08 14:53/mb
Calcium	50.0	mg/L		0.5		2	E200.7	08/06/08 16:19/eli-c
Chloride	11	mg/L		1		1	E300.0	07/30/08 20:37/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/30/08 20:37/jmh
Magnesium	21.1	mg/L		0.5		2	E200.7	08/06/08 16:19/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	07/30/08 13:55/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/30/08 20:37/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/30/08 20:37/jmh
Potassium	12.0	mg/L		0.5		2	E200.7	08/06/08 16:19/eli-c
Silica	4.1	mg/L		0.5		2	E200.7	08/06/08 16:19/eli-c
Sodium	183	mg/L	D	2		2	E200.7	08/06/08 16:19/eli-c
Sulfate	445	mg/L	D	3		50	E300.0	07/30/08 20:21/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1280	umhos/cm		5.0		1	A2510 B	08/01/08 08:53/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	08/04/08 00:00/jmh
pH	8.21	s.u.		0.01		1	A4500-H B	08/04/08 15:37/tb
Sodium Adsorption Ratio (SAR)	5.5	unitless		0.10		1	Calculation	09/29/08 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	790	mg/L		5		1	A2540 C	07/31/08 12:00/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	08/06/08 16:19/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	08/11/08 16:15/eli-c
Barium	ND	mg/L		0.1		1	E200.8	08/05/08 20:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	08/06/08 16:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/05/08 20:29/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	08/05/08 20:29/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/05/08 20:29/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	08/06/08 16:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/05/08 20:29/eli-c
Manganese	0.04	mg/L		0.01		1	E200.8	08/05/08 20:29/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/05/08 20:29/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	08/05/08 20:29/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	08/05/08 20:29/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/15/08 15:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	08/11/08 16:15/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	08/05/08 20:29/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 1 of 3



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070471-001
Client Sample ID: DewBurd GW688

Report Date: 10/03/08
Collection Date: 07/28/08 15:45
Date Received: 07/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	08/05/08 20:29/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	08/05/08 20:29/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	08/05/08 20:29/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	08/09/08 01:05/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/15/08 11:57/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/15/08 15:52/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	3.9	pCi/L				1	E900.0	09/06/08 01:18/eli-c
Gross Alpha precision (±)	2.0	pCi/L				1	E900.0	09/06/08 01:18/eli-c
Gross Alpha MDC	2.8	pCi/L				1	E900.0	09/06/08 01:18/eli-c
Gross Beta	14.3	pCi/L				1	E900.0	09/06/08 01:18/eli-c
Gross Beta precision (±)	2.3	pCi/L				1	E900.0	09/06/08 01:18/eli-c
Gross Beta MDC	3.5	pCi/L				1	E900.0	09/06/08 01:18/eli-c
Lead 210	-6	pCi/L	U			1	E909.0M	08/28/08 09:57/eli-c
Lead 210 precision (±)	7.3	pCi/L				1	E909.0M	08/28/08 09:57/eli-c
Lead 210 MDC	12.5	pCi/L				1	E909.0M	08/28/08 09:57/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	0.6	pCi/L				1	E903.0	08/27/08 15:35/eli-cs
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/27/08 15:35/eli-cs
Radium 226 MDC	0.3	pCi/L				1	E903.0	08/27/08 15:35/eli-cs
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	08/20/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/20/08 16:00/eli-c
Gross Gamma	950	pCi/L		20		1	E901.1	08/08/08 07:23/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	08/08/08 07:23/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.6	pCi/L	U			1	E909.0M	08/21/08 10:15/eli-c
Lead 210 precision (±)	7.1	pCi/L				1	E909.0M	08/21/08 10:15/eli-c
Lead 210 MDC	11.9	pCi/L				1	E909.0M	08/21/08 10:15/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	09/03/08 17:30/eli-c
Polonium 210 precision (±)	0.36	pCi/L				1	RMO-3008	09/03/08 17:30/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	08/18/08 17:41/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/18/08 17:41/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 2 of 3



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070471-001
Client Sample ID: DewBurd GW688

Report Date: 10/03/08
Collection Date: 07/28/08 15:45
Date Received: 07/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/18/08 17:41/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	08/22/08 10:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	08/22/08 10:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1160	pCi/L		100		1	D5072-92	08/01/08 13:44/eli-c
Radon 222 precision (±)	127	pCi/L				1	D5072-92	08/01/08 13:44/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	08/06/08 15:43/eli-c
Arsenic	0.015	mg/L		0.001		10	E200.8	08/11/08 19:20/eli-c
Barium	ND	mg/L		0.1		10	E200.8	08/06/08 15:43/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	08/11/08 19:20/eli-c
Boron	ND	mg/L		0.1		2	E200.7	08/05/08 20:02/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	08/06/08 15:43/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	08/05/08 20:02/eli-c
Copper	ND	mg/L		0.01		2	E200.7	08/05/08 20:02/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	08/05/08 20:02/eli-c
Lead	ND	mg/L		0.001		10	E200.8	08/06/08 15:43/eli-c
Manganese	0.05	mg/L		0.01		2	E200.7	08/05/08 20:02/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	08/05/08 13:50/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	08/05/08 20:02/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	08/05/08 20:02/eli-c
Selenium	ND	mg/L		0.001		10	E200.8	08/11/08 19:20/eli-c
Silver	ND	mg/L		0.005		10	E200.8	08/06/08 15:43/eli-c
Strontium	1.2	mg/L		0.1		2	E200.7	08/05/08 20:02/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	08/06/08 15:43/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	08/11/08 19:20/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	08/05/08 20:02/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.16	%				1	A1030 E	09/29/08 00:00/jmh
Anions	12.8	meq/L				1	A1030 E	09/29/08 00:00/jmh
Cations	12.5	meq/L				1	A1030 E	09/29/08 00:00/jmh
Solids, Total Dissolved Calculated	830	mg/L				1	A1030 E	09/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	09/29/08 00:00/jmh

Report: RL - Analyte reporting limit.
Definitions: 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

Page 3 of 3



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080332-001
Client Sample ID: DewBurd GW688

Report Date: 11/14/08
Collection Date: 08/20/08 10:07
Date Received: 08/21/08
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	08/21/08 14:44/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	08/21/08 14:44/mb
Bicarbonate as HCO3	202	mg/L		5		1	A2320 B	08/21/08 14:44/mb
Calcium	51.7	mg/L		0.5		2	E200.7	09/02/08 15:56/eli-c
Chloride	11	mg/L		1		1	E300.0	08/22/08 20:03/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	08/22/08 20:03/jmh
Magnesium	21.6	mg/L		0.5		2	E200.7	09/02/08 15:56/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	08/21/08 18:28/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	08/22/08 20:03/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	08/22/08 20:03/jmh
Potassium	12.1	mg/L		0.5		2	E200.7	09/02/08 15:56/eli-c
Silica	3.9	mg/L		0.5		2	E200.7	09/02/08 15:56/eli-c
Sodium	196	mg/L	D	2		2	E200.7	09/02/08 15:56/eli-c
Sulfate	425	mg/L	D	3		50	E300.0	08/22/08 19:14/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1430	umhos/cm		5.0		1	A2510 B	08/22/08 11:55/tb
Oxidation-Reduction Potential	180	mV				1	A2580 B	08/25/08 00:00/jmh
pH	8.35	s.u.		0.01		1	A4500-H B	08/22/08 14:01/tb
Sodium Adsorption Ratio (SAR)	5.8	unitless		0.10		1	Calculation	11/04/08 09:20/ADM
Solids, Total Dissolved TDS @ 180 C	810	mg/L		5		1	A2540 C	08/25/08 16:02/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	09/02/08 15:56/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/27/08 12:44/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/02/08 15:56/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/02/08 15:56/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/04/08 03:00/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/02/08 15:56/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/04/08 03:00/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	09/02/08 15:56/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/04/08 03:00/eli-c
Manganese	0.05	mg/L		0.01		2	E200.7	09/02/08 15:56/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/04/08 03:00/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	09/02/08 15:56/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/02/08 15:56/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	09/01/08 11:58/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/04/08 17:07/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/04/08 03:00/eli-c

Report RL - Analyte reporting limit.

Definitions: 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.

Page 1 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080332-001
Client Sample ID: DewBurd GW688

Report Date: 11/14/08
Collection Date: 08/20/08 10:07
Date Received: 08/21/08
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	09/04/08 03:00/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	09/02/08 15:56/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	09/02/08 15:56/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	09/11/08 00:14/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/31/08 16:30/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	09/01/08 11:59/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	11.8	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Alpha precision (±)	3.0	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Alpha MDC	3.4	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Beta	11.0	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Beta precision (±)	2.3	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Beta MDC	3.6	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Lead 210	3.8	pCi/L	U			1	E909.0M	09/04/08 07:39/eli-c
Lead 210 precision (±)	6.4	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Lead 210 MDC	10.7	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	09/03/08 19:15/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	09/03/08 19:15/eli-c
Radium 226	1.7	pCi/L				1	E903.0	09/20/08 21:07/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	09/20/08 21:07/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	09/21/08 12:59/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	09/21/08 12:59/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	08/29/08 12:32/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	08/29/08 12:32/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-6	pCi/L	U			1	E909.0M	09/12/08 10:37/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Lead 210 MDC	17.8	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	09/15/08 14:35/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	09/15/08 14:35/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	09/17/08 15:43/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	09/17/08 15:43/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	09/17/08 15:43/eli-c

Report RL - Analyte reporting limit.
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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

Page 2 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080332-001
Client Sample ID: DewBurd GW688

Report Date: 11/14/08
Collection Date: 08/20/08 10:07
Date Received: 08/21/08
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	09/28/08 13:33/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	09/28/08 13:33/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	449	pCi/L		100		1	D5072-92	08/25/08 17:46/eli-c
Radon 222 precision (±)	90.9	pCi/L				1	D5072-92	08/25/08 17:46/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	09/04/08 03:07/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	10/28/08 17:06/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/02/08 19:10/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	09/04/08 03:07/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/02/08 19:10/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/04/08 03:07/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/02/08 19:10/eli-c
Copper	ND	mg/L		0.01		2	E200.7	09/02/08 19:10/eli-c
Iron	0.24	mg/L		0.03		2	E200.7	09/02/08 19:10/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/04/08 03:07/eli-c
Manganese	0.05	mg/L		0.01		2	E200.7	09/02/08 19:10/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	08/28/08 08:55/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	09/02/08 19:10/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/02/08 19:10/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	09/04/08 03:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/04/08 17:14/eli-c
Strontium	1.3	mg/L		0.1		2	E200.7	09/02/08 19:10/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	09/04/08 03:07/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	09/04/08 03:07/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	09/02/08 19:10/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.75	%				1	A1030 E	11/04/08 00:00/jmh
Anions	12.5	meq/L				1	A1030 E	11/04/08 00:00/jmh
Cations	13.2	meq/L				1	A1030 E	11/04/08 00:00/jmh
Solids, Total Dissolved Calculated	829	mg/L				1	A1030 E	11/04/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	11/04/08 00:00/jmh

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

Page 3 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100014-001
Client Sample ID: DewBurd GW688

Report Date: 12/29/08
Collection Date: 09/30/08 08:30
Date Received: 10/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	166	mg/L		5		1	A2320 B	10/02/08 15:33/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	10/02/08 15:33/mb
Bicarbonate as HCO ₃	202	mg/L		5		1	A2320 B	10/02/08 15:33/mb
Calcium	52.4	mg/L		0.5		2	E200.7	10/13/08 18:09/eli-c
Chloride	11	mg/L		1		1	E300.0	10/02/08 04:44/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	10/02/08 04:44/jmh
Magnesium	21.8	mg/L		0.5		2	E200.7	10/13/08 18:09/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	10/06/08 13:16/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/02/08 04:44/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	10/02/08 04:44/jmh
Potassium	12.2	mg/L		0.5		2	E200.7	10/13/08 18:09/eli-c
Sodium	203	mg/L	D	2		2	E200.7	10/13/08 18:09/eli-c
Sulfate	422	mg/L	D	3		50	E300.0	10/02/08 05:33/jmh
Silica	75.3	mg/L		0.2		1	E200.8	10/07/08 03:58/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1160	umhos/cm		5.0		1	A2510 B	10/06/08 15:55/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	10/07/08 00:00/jmh
pH	7.90	s.u.		0.01		1	A4500-H B	10/06/08 16:11/tb
Sodium Adsorption Ratio (SAR)	6.0	unitless		0.10		1	Calculation	12/10/08 17:07/ADM
Solids, Total Dissolved TDS @ 180 C	790	mg/L		5		1	A2540 C	10/06/08 10:53/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/22/08 23:22/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/27/08 17:41/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/07/08 03:58/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/13/08 18:09/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/07/08 03:58/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/07/08 03:58/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/08/08 14:48/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	10/13/08 18:09/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/07/08 03:58/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	10/07/08 03:58/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/07/08 03:58/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/07/08 03:58/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/07/08 03:58/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/20/08 11:44/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/22/08 23:22/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/08/08 14:48/eli-c

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. Page 1 of 3
QCL - Quality control limit. ND - Not detected at the reporting limit.
MDC - Minimum detectable concentration. D - RL increased due to sample matrix interference.



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100014-001
Client Sample ID: DewBurd GW688

Report Date: 12/29/08
Collection Date: 09/30/08 08:30
Date Received: 10/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/08/08 14:48/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/07/08 03:58/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/08/08 14:48/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/31/08 03:05/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/20/08 09:45/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/20/08 12:04/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.9	pCi/L				1	E900.0	11/05/08 13:06/eli-c
Gross Alpha precision (±)	2.5	pCi/L				1	E900.0	11/05/08 13:06/eli-c
Gross Alpha MDC	3.5	pCi/L				1	E900.0	11/05/08 13:06/eli-c
Gross Beta	10.9	pCi/L				1	E900.0	11/05/08 13:06/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	11/05/08 13:06/eli-c
Gross Beta MDC	4.1	pCi/L				1	E900.0	11/05/08 13:06/eli-c
Lead 210	-0.1	pCi/L	U			1	E909.0M	10/20/08 10:13/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	10/20/08 10:13/eli-c
Lead 210 MDC	4.2	pCi/L				1	E909.0M	10/20/08 10:13/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	10/09/08 09:08/eli-c
Polonium 210 precision (±)	0.36	pCi/L				1	RMO-3008	10/09/08 09:08/eli-c
Radium 226	0.6	pCi/L				1	E903.0	10/23/08 16:38/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	10/23/08 16:38/eli-c
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	10/24/08 08:42/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	10/24/08 08:42/eli-c
Gross Gamma	230	pCi/L				1	E901.1	10/13/08 15:50/eli-c
Gross Gamma precision (±)	84	pCi/L				1	E901.1	10/13/08 15:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.2	pCi/L	U			1	E909.0M	10/16/08 10:00/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	10/16/08 10:00/eli-c
Lead 210 MDC	8.6	pCi/L				1	E909.0M	10/16/08 10:00/eli-c
Polonium 210	0.15	pCi/L	U			1	RMO-3008	10/23/08 08:48/eli-c
Polonium 210 precision (±)	0.36	pCi/L				1	RMO-3008	10/23/08 08:48/eli-c
Radium 226	0.09	pCi/L	U			1	E903.0	10/20/08 12:48/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	10/20/08 12:48/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	10/20/08 12:48/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 2 of 3



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100014-001
Client Sample ID: DewBurd GW688

Report Date: 12/29/08
Collection Date: 09/30/08 08:30
Date Received: 10/01/08
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	10/15/08 16:00/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	10/15/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	535	pCi/L	H	100		1	D5072-92	10/10/08 10:07/eli-c
Radon 222 precision (±)	219	pCi/L	H			1	D5072-92	10/10/08 10:07/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	10/09/08 13:33/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/29/08 20:58/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/08 13:33/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	10/09/08 13:33/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/13/08 20:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/08 13:33/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/08 13:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/08 13:33/eli-c
Iron	0.19	mg/L		0.03		2	E200.7	10/13/08 20:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/08 13:33/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	10/09/08 13:33/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	10/06/08 15:37/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/08 13:33/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/08 13:33/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/09/08 13:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/08 13:33/eli-c
Strontium	1.3	mg/L		0.1		1	E200.8	10/09/08 13:33/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	10/09/08 13:33/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/09/08 13:33/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/09/08 13:33/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.37	%				1	A1030 E	12/10/08 00:00/jmh
Anions	12.4	meq/L				1	A1030 E	12/10/08 00:00/jmh
Cations	13.6	meq/L				1	A1030 E	12/10/08 00:00/jmh
Solids, Total Dissolved Calculated	1030	mg/L				1	A1030 E	12/10/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.770					1	A1030 E	12/10/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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.

Page 3 of 3



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-005
Client Sample ID: DewBurd GW688

Report Date: 12/29/08
Collection Date: 10/20/08 12:15
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	162	mg/L		5		1	A2320 B	10/27/08 15:54/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/27/08 15:54/mb
Bicarbonate as HCO3	197	mg/L		5		1	A2320 B	10/27/08 15:54/mb
Calcium	49.0	mg/L		0.5		2	E200.7	11/05/08 17:44/eli-c
Chloride	12	mg/L		1		1	E300.0	10/23/08 00:04/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	10/23/08 00:04/jmh
Magnesium	20.1	mg/L		0.5		2	E200.7	11/05/08 17:44/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	10/23/08 17:56/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/23/08 00:04/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	10/23/08 00:04/jmh
Potassium	12.0	mg/L		0.5		2	E200.7	11/05/08 17:44/eli-c
Sodium	193	mg/L	D	2		2	E200.7	11/05/08 17:44/eli-c
Sulfate	450	mg/L	D	3		50	E300.0	10/22/08 23:48/jmh
Silica	8.4	mg/L		0.2		2	E200.7	11/05/08 17:44/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1260	umhos/cm		5.0		1	A2510 B	10/28/08 17:19/tb
Oxidation-Reduction Potential	170	mV				1	A2580 B	10/27/08 19:00/jmh
pH	8.15	s.u.		0.01		1	A4500-H B	10/28/08 13:40/tb
Sodium Adsorption Ratio (SAR)	5.9	unitless		0.10		1	Calculation	12/10/08 17:07/ADM
Solids, Total Dissolved TDS @ 180 C	810	mg/L		5		1	A2540 C	10/24/08 15:46/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/05/08 05:52/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	11/05/08 05:52/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/05/08 05:52/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 17:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/05/08 05:52/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/05/08 05:52/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/05/08 05:52/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	11/05/08 17:44/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/05/08 05:52/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	11/05/08 05:52/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/05/08 05:52/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/05/08 05:52/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/05/08 05:52/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/31/08 09:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/05/08 13:56/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/05/08 05:52/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 13 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-005
Client Sample ID: DewBurd GW688

Report Date: 12/29/08
Collection Date: 10/20/08 12:15
Date Received: 10/22/08
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	11/05/08 05:52/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/05/08 05:52/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/05/08 05:52/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/06/08 15:41/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/30/08 14:45/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/08 10:28/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	10.2	pCi/L				1	E900.0	11/22/08 01:24/eli-cs
Gross Alpha precision (±)	2.5	pCi/L				1	E900.0	11/22/08 01:24/eli-cs
Gross Alpha MDC	2.8	pCi/L				1	E900.0	11/22/08 01:24/eli-cs
Gross Beta	14.9	pCi/L				1	E900.0	11/22/08 01:24/eli-cs
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	11/22/08 01:24/eli-cs
Gross Beta MDC	3.6	pCi/L				1	E900.0	11/22/08 01:24/eli-cs
Lead 210	1.1	pCi/L	U			1	E909.0M	11/06/08 09:13/eli-c
Lead 210 precision (±)	3.7	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Lead 210 MDC	6.1	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	11/19/08 09:23/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	11/19/08 09:23/eli-c
Radium 226	1.6	pCi/L				1	E903.0	11/11/08 00:38/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	11/11/08 00:38/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	11/20/08 08:50/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	11/20/08 08:50/eli-c
Gross Gamma	310	pCi/L				1	E901.1	10/27/08 11:00/eli-c
Gross Gamma precision (±)	53	pCi/L				1	E901.1	10/27/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-3	pCi/L	U			1	E909.0M	11/11/08 10:15/eli-c
Lead 210 precision (±)	4.0	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Lead 210 MDC	6.8	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	11/13/08 12:40/eli-c
Polonium 210 precision (±)	0.14	pCi/L				1	RMO-3008	11/13/08 12:40/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	11/11/08 13:02/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	11/11/08 13:02/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	11/11/08 13:02/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 14 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-005
Client Sample ID: DewBurd GW688

Report Date: 12/29/08
Collection Date: 10/20/08 12:15
Date Received: 10/22/08
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	11/07/08 14:30/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	11/07/08 14:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	184	pCi/L		100		1	D5072-92	10/24/08 12:24/eli-c
Radon 222 precision (±)	69.2	pCi/L				1	D5072-92	10/24/08 12:24/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	10/30/08 03:09/eli-c
Arsenic	0.004	mg/L	L	0.002		1	E200.8	10/30/08 03:09/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/30/08 03:09/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	10/30/08 03:09/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 20:45/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/30/08 03:09/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/30/08 03:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/30/08 03:09/eli-c
Iron	0.16	mg/L		0.03		2	E200.7	11/05/08 20:45/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/30/08 03:09/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	11/05/08 20:45/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	10/27/08 09:44/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	10/30/08 03:09/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/30/08 03:09/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/30/08 03:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/30/08 03:09/eli-c
Strontium	1.3	mg/L		0.1		2	E200.7	11/05/08 20:45/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	10/30/08 03:09/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/30/08 03:09/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/30/08 03:09/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.510	%				1	A1030 E	12/10/08 00:00/jmh
Anions	13.0	meq/L				1	A1030 E	12/10/08 00:00/jmh
Cations	12.8	meq/L				1	A1030 E	12/10/08 00:00/jmh
Solids, Total Dissolved Calculated	857	mg/L				1	A1030 E	12/10/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	12/10/08 00:00/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.
 L - Lowest available reporting limit for the analytical method used.

Page 15 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-004
Client Sample ID: DewBurd GW688

Report Date: 01/29/09
Collection Date: 11/18/08 10:00
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	146	mg/L		5		1	A2320 B	11/25/08 11:26/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/25/08 11:26/mb
Bicarbonate as HCO3	178	mg/L		5		1	A2320 B	11/25/08 11:26/mb
Calcium	51.2	mg/L		0.5		2	E200.7	12/10/08 16:48/eli-c
Chloride	12	mg/L		1		1	E300.0	11/20/08 19:58/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	11/20/08 19:58/jmh
Magnesium	21.0	mg/L		0.5		2	E200.7	12/10/08 16:48/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	11/25/08 17:16/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/20/08 19:58/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/20/08 19:58/jmh
Potassium	12.5	mg/L		0.5		2	E200.7	12/10/08 16:48/eli-c
Sodium	202	mg/L	D	2		2	E200.7	12/10/08 16:48/eli-c
Sulfate	421	mg/L	D	3		50	E300.0	11/21/08 05:16/jmh
Silica	8.7	mg/L		0.2		2	E200.7	12/10/08 16:48/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1140	umhos/cm		5.0		1	A2510 B	11/25/08 15:33/tb
Oxidation-Reduction Potential	270	mV				1	A2580 B	11/25/08 16:00/jmh
pH	8.19	s.u.		0.01		1	A4500-H B	11/25/08 14:47/tb
Sodium Adsorption Ratio (SAR)	6.0	unitless		0.10		1	Calculation	01/29/09 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	780	mg/L		5		1	A2540 C	11/21/08 11:32/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/03/08 20:07/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	12/03/08 20:07/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/03/08 20:07/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/10/08 16:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/03/08 20:07/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/03/08 20:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/03/08 20:07/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/10/08 16:48/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/03/08 20:07/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	12/03/08 20:07/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/03/08 20:07/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/03/08 20:07/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/03/08 20:07/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/05/08 09:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/05/08 03:11/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/03/08 20:07/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 10 of 42



ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-004
Client Sample ID: DewBurd GW688

Report Date: 01/29/09
Collection Date: 11/18/08 10:00
Date Received: 11/19/08
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	12/03/08 20:07/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/03/08 20:07/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/03/08 20:07/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	12/11/08 01:22/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/04/08 15:39/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/05/08 11:31/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	15.0	pCi/L				1	E900.0	12/24/08 01:10/eli-c
Gross Alpha precision (±)	3.3	pCi/L				1	E900.0	12/24/08 01:10/eli-c
Gross Alpha MDC	3.8	pCi/L				1	E900.0	12/24/08 01:10/eli-c
Gross Beta	17.4	pCi/L				1	E900.0	12/24/08 01:10/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	12/24/08 01:10/eli-c
Gross Beta MDC	3.6	pCi/L				1	E900.0	12/24/08 01:10/eli-c
Lead 210	1.1	pCi/L	U			1	E909.0M	12/11/08 10:00/eli-c
Lead 210 precision (±)	2.6	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Lead 210 MDC	4.4	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	12/11/08 10:19/eli-c
Polonium 210 precision (±)	0.22	pCi/L				1	RMO-3008	12/11/08 10:19/eli-c
Radium 226	2.7	pCi/L				1	E903.0	12/16/08 23:17/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/16/08 23:17/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	12/16/08 23:17/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	12/12/08 16:26/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	12/12/08 16:26/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	12/03/08 15:07/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	12/03/08 15:07/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-5	pCi/L	U			1	E909.0M	12/18/08 07:13/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Polonium 210	-0.061	pCi/L	U			1	RMO-3008	12/30/08 08:57/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	12/30/08 08:57/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	12/18/08 15:28/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/18/08 15:28/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 11 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-004
Client Sample ID: DewBurd GW688

Report Date: 01/29/09
Collection Date: 11/18/08 10:00
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.4	pCi/L				1	E903.0	12/18/08 15:28/eli-c
Thorium 230	-0.2	pCi/L	U	0.2		1	E907.0	12/11/08 15:00/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	12/11/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	162	pCi/L		100		1	D5072-92	11/23/08 09:20/eli-c
Radon 222 precision (±)	81.3	pCi/L				1	D5072-92	11/23/08 09:20/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/08/08 19:34/eli-c
Arsenic	0.006	mg/L	D	0.005		1	E200.8	12/13/08 00:02/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/08/08 19:34/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	12/08/08 19:34/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/12/08 19:38/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/08/08 19:34/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/08/08 19:34/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/08/08 19:34/eli-c
Iron	0.34	mg/L		0.03		2	E200.7	12/12/08 19:38/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/08/08 19:34/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	12/08/08 19:34/eli-c
Mercury	ND	mg/L		0.001		1	0	11/24/08 12:21/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	12/08/08 19:34/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/08/08 19:34/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	12/08/08 19:34/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/08/08 19:34/eli-c
Strontium	1.3	mg/L		0.1		1	E200.8	12/08/08 19:34/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/08/08 19:34/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/08/08 19:34/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	12/12/08 19:38/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.50	%				1	A1030 E	01/29/09 00:00/jmh
Anions	12.0	meq/L				1	A1030 E	01/29/09 00:00/jmh
Cations	13.4	meq/L				1	A1030 E	01/29/09 00:00/jmh
Solids, Total Dissolved Calculated	831	mg/L				1	A1030 E	01/29/09 00:00/jmh
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	01/29/09 00:00/jmh

Report	RL - Analyte reporting limit.	MCL - Maximum contaminant level.	Page 12 of 42
Definitions:	QCL - Quality control limit.	ND - Not detected at the reporting limit.	
	MDC - Minimum detectable concentration	D - RL increased due to sample matrix interference.	
	U - Not detected at minimum detectable concentration		



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120281-001
Client Sample ID: DewBurd GW688

Report Date: 01/28/09
Collection Date: 12/22/08 09:45
Date Received: 12/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	166	mg/L		5		1	A2320 B	12/23/08 11:29/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	12/23/08 11:29/mb
Bicarbonate as HCO ₃	202	mg/L		5		1	A2320 B	12/23/08 11:29/mb
Calcium	48.7	mg/L		0.5		2	E200.7	01/05/09 15:50/eli-c
Chloride	12	mg/L		1		1	E300.0	12/24/08 18:15/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	12/24/08 18:15/jmh
Magnesium	21.1	mg/L		0.5		2	E200.7	01/05/09 15:50/eli-c
Nitrogen, Ammonia as N	0.7	mg/L		0.1		1	A4500-NH ₃ G	12/26/08 15:48/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	12/24/08 18:15/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	12/24/08 18:15/jmh
Potassium	12.3	mg/L		0.5		2	E200.7	01/05/09 15:50/eli-c
Sodium	194	mg/L		2		2	E200.7	01/05/09 15:50/eli-c
Sulfate	435	mg/L	D	3		50	E300.0	12/24/08 17:58/jmh
Silica	8.9	mg/L		0.2		2	E200.7	01/05/09 15:50/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1110	umhos/cm		5.0		1	A2510 B	01/06/09 10:18/tb
Oxidation-Reduction Potential	260	mV				1	A2580 B	12/23/08 14:30/jmh
pH	7.87	s.u.		0.01		1	A4500-H B	12/29/08 12:34/tb
Sodium Adsorption Ratio (SAR)	5.9	unitless		0.10		1	Calculation	01/23/09 16:16/ADM
Solids, Total Dissolved TDS @ 180 C	780	mg/L	H	5		1	A2540 C	12/30/08 15:10/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/23/08 14:22/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	12/27/08 07:55/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/27/08 07:55/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 15:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/27/08 07:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/29/08 14:22/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/27/08 07:55/eli-c
Iron	ND	mg/L		0.03		2	E200.7	01/05/09 15:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/27/08 07:55/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	12/27/08 07:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/27/08 07:55/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/27/08 07:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/27/08 07:55/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	01/09/09 16:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/27/08 07:55/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/27/08 07:55/eli-c

Report RL - Analyte reporting limit. MCL - Maximum contaminant level. Page 1 of 3
Definitions: QCL - Quality control limit. ND - Not detected at the reporting limit.
MDC - Minimum detectable concentration D - RL increased due to sample matrix interference.
H - Analysis performed past recommended holding time.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120281-001
Client Sample ID: DewBurd GW688

Report Date: 01/28/09
Collection Date: 12/22/08 09:45
Date Received: 12/22/08
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	12/27/08 07:55/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/29/08 14:22/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/27/08 07:55/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L	D	0.0009		1	E200.8	01/01/09 22:42/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/08/09 15:51/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	01/09/09 16:57/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1.9	pCi/L	U			1	E900.0	01/14/09 22:47/eli-c
Gross Alpha precision (±)	2.5	pCi/L				1	E900.0	01/14/09 22:47/eli-c
Gross Alpha MDC	3.9	pCi/L				1	E900.0	01/14/09 22:47/eli-c
Gross Beta	8.8	pCi/L				1	E900.0	01/14/09 22:47/eli-c
Gross Beta precision (±)	3.4	pCi/L				1	E900.0	01/14/09 22:47/eli-c
Gross Beta MDC	5.5	pCi/L				1	E900.0	01/14/09 22:47/eli-c
Lead 210	1.0	pCi/L	U			1	E909.0M	12/30/08 08:13/eli-c
Lead 210 precision (±)	2.4	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Lead 210 MDC	4.0	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	01/09/09 13:47/eli-c
Polonium 210 precision (±)	0.17	pCi/L				1	RMO-3008	01/09/09 13:47/eli-c
Radium 226	0.7	pCi/L				1	E903.0	01/05/09 14:13/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	01/05/09 14:13/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	01/05/09 14:13/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	01/14/09 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	01/14/09 16:00/eli-c
Gross Gamma	720	pCi/L				1	E901.1	12/29/08 12:00/eli-c
Gross Gamma precision (±)	140	pCi/L				1	E901.1	12/29/08 12:00/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	0.1	pCi/L	U			1	E909.0M	01/06/09 10:06/eli-c
Lead 210 precision (±)	6.2	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Lead 210 MDC	10.4	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	01/15/09 14:33/eli-c
Polonium 210 precision (±)	0.25	pCi/L				1	RMO-3008	01/15/09 14:33/eli-c
Radium 226	0.1	pCi/L	U			1	E903.0	01/21/09 23:27/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 2 of 3



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120281-001
Client Sample ID: DewBurd GW688

Report Date: 01/28/09
Collection Date: 12/22/08 09:45
Date Received: 12/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	01/21/09 23:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	01/21/09 23:27/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	01/07/09 13:33/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	01/07/09 13:33/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	81.1	pCi/L	U	100		1	D5072-92	12/23/08 17:11/eli-c
Radon 222 precision (±)	41.5	pCi/L				1	D5072-92	12/23/08 17:11/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/30/08 20:28/eli-c
Arsenic	0.004	mg/L	L	0.003		1	E200.8	12/30/08 20:28/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/30/08 20:28/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	12/30/08 20:28/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 18:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/30/08 20:28/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/30/08 20:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/30/08 20:28/eli-c
Iron	0.50	mg/L		0.03		2	E200.7	01/05/09 18:44/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	12/30/08 20:28/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	12/30/08 20:28/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	12/25/08 15:49/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	12/30/08 20:28/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/30/08 20:28/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	01/01/09 18:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/30/08 20:28/eli-c
Strontium	1.2	mg/L		0.1		1	E200.8	12/30/08 20:28/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/30/08 20:28/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/30/08 20:28/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	12/30/08 20:28/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.990	%				1	A1030 E	01/23/09 00:00/jmh
Anions	12.7	meq/L				1	A1030 E	01/23/09 00:00/jmh
Cations	13.0	meq/L				1	A1030 E	01/23/09 00:00/jmh
Solids, Total Dissolved Calculated	848	mg/L				1	A1030 E	01/23/09 00:00/jmh
TDS Balance (0.80 - 1.20)	0.920					1	A1030 E	01/23/09 00:00/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.
 L - Lowest available reporting limit for the analytical method used.

Page 3 of 3



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-012
Client Sample ID: DewBurd GW688

Report Date: 03/17/09
Collection Date: 01/20/09 15:35
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	166	mg/L		5		1	A2320 B	01/26/09 14:45/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	01/26/09 14:45/mb
Bicarbonate as HCO3	197	mg/L		5		1	A2320 B	01/26/09 14:45/mb
Calcium	48.8	mg/L		0.5		1	E200.7	01/30/09 21:19/eli-c
Chloride	11	mg/L		1		1	E300.0	01/22/09 07:29/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	01/22/09 07:29/jmh
Magnesium	20.5	mg/L		0.5		1	E200.7	01/30/09 21:19/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	01/21/09 17:24/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	01/22/09 07:29/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	01/22/09 07:29/jmh
Potassium	14.2	mg/L		0.5		1	E200.7	01/30/09 21:19/eli-c
Sodium	189	mg/L		0.5		1	E200.7	01/30/09 21:19/eli-c
Sulfate	436	mg/L	D	3		50	E300.0	01/22/09 07:13/jmh
Silica	7.6	mg/L		0.2		1	E200.7	01/30/09 21:19/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1210	umhos/cm		5.0		1	A2510 B	01/22/09 15:07/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	01/27/09 11:00/jmh
pH	8.00	s.u.		0.01		1	A4500-H B	01/22/09 10:18/tb
Sodium Adsorption Ratio (SAR)	5.7	unitless		0.10		1	Calculation	03/16/09 16:28/ADM
Solids, Total Dissolved TDS @ 180 C	800	mg/L		5		1	A2540 C	01/26/09 09:23/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/03/09 18:53/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	01/30/09 19:58/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/30/09 19:58/eli-c
Boron	ND	mg/L		0.1		1	E200.7	01/30/09 21:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/30/09 19:58/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/03/09 18:53/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/30/09 19:58/eli-c
Iron	0.03	mg/L		0.03		1	E200.7	01/30/09 21:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/30/09 19:58/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	02/02/09 23:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/03/09 18:53/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/30/09 19:58/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/03/09 18:53/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/09 10:46/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/30/09 19:58/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/30/09 19:58/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	01/30/09 19:58/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 34 of 42



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-012
Client Sample ID: DewBurd GW688

Report Date: 03/17/09
Collection Date: 01/20/09 15:35
Date Received: 01/21/09
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	02/02/09 23:01/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/30/09 19:58/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/09 01:33/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/24/09 16:44/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/09 11:07/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	25.6	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Beta	15.8	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Beta precision (±)	2.9	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Beta MDC	4.3	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Lead 210	1.0	pCi/L	U			1	E909.0M	02/03/09 10:43/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Lead 210 MDC	4.2	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Polonium 210	-0.0089	pCi/L	U			1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 MDC	0.71	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 precision (±)	0.28	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Radium 226	3.8	pCi/L				1	E903.0	02/05/09 14:35/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	02/05/09 14:35/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	02/06/09 08:45/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	02/06/09 08:45/eli-c
Gross Gamma	1100	pCi/L				1	E901.1	02/04/09 14:00/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	02/04/09 14:00/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	3.2	pCi/L	U			1	E909.0M	03/10/09 13:35/eli-c
Lead 210 precision (±)	4.8	pCi/L				1	E909.0M	03/10/09 13:35/eli-c
Lead 210 MDC	8.0	pCi/L				1	E909.0M	03/10/09 13:35/eli-c
Polonium 210	-0.0045	pCi/L	U			1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 precision (±)	0.17	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 MDC	0.43	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Radium 226	0.1	pCi/L	U			1	E903.0	02/18/09 13:41/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	02/18/09 13:41/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 35 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-012
Client Sample ID: DewBurd GW688

Report Date: 03/17/09
Collection Date: 01/20/09 15:35
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.5	pCi/L				1	E903.0	02/18/09 13:41/eli-ce
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	03/01/09 14:58/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/01/09 14:58/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	152	pCi/L		100		1	D5072-92	01/23/09 14:10/eli-c
Radon 222 precision (±)	57.4	pCi/L				1	D5072-92	01/23/09 14:10/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	01/30/09 21:33/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/04/09 18:50/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/30/09 21:33/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	01/30/09 21:33/eli-c
Boron	ND	mg/L		0.1		2	E200.7	02/05/09 19:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/30/09 21:33/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/30/09 21:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/30/09 21:33/eli-c
Iron	0.17	mg/L	D	0.04		2	E200.7	02/05/09 19:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/30/09 21:33/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	01/30/09 21:33/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	01/26/09 10:53/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	02/04/09 18:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/30/09 21:33/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/04/09 18:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/30/09 21:33/eli-c
Strontium	1.3	mg/L		0.1		1	E200.8	02/04/09 18:50/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	01/30/09 21:33/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	01/30/09 21:33/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/30/09 21:33/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.140	%				1	A1030 E	03/16/09 00:00/kl
Anions	12.8	meq/L				1	A1030 E	03/16/09 00:00/kl
Cations	12.7	meq/L				1	A1030 E	03/16/09 00:00/kl
Solids, Total Dissolved Calculated	840	mg/L				1	A1030 E	03/16/09 00:00/kl
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	03/16/09 00:00/kl

Report	RL - Analyte reporting limit.	MCL - Maximum contaminant level.	Page 36 of 42
Definitions:	QCL - Quality control limit.	ND - Not detected at the reporting limit.	
	MDC - Minimum detectable concentration	D - RL increased due to sample matrix interference.	
	U - Not detected at minimum detectable concentration		



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-006
Client Sample ID: DewBurd GW688

Report Date: 04/14/09
Collection Date: 02/24/09 13:23
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	168	mg/L		5		1	A2320 B	03/03/09 14:30/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	03/03/09 14:30/mb
Bicarbonate as HCO ₃	202	mg/L		5		1	A2320 B	03/03/09 14:30/mb
Calcium	52	mg/L	D	6		5	E200.7	03/06/09 22:03/eli-c
Chloride	11	mg/L		1		1	E300.0	02/26/09 03:07/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	02/26/09 03:07/jmh
Magnesium	21.4	mg/L		0.5		5	E200.7	03/06/09 22:03/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	02/27/09 15:32/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/26/09 03:07/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/26/09 03:07/jmh
Potassium	12.1	mg/L		0.5		5	E200.7	03/06/09 22:03/eli-c
Sodium	181	mg/L		0.5		5	E200.7	03/06/09 22:03/eli-c
Sulfate	460	mg/L	D	3		50	E300.0	02/26/09 02:51/jmh
Silica	7.5	mg/L		0.2		5	E200.7	03/06/09 22:03/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1200	umhos/cm		5.0		1	A2510 B	02/27/09 12:49/tb
Oxidation-Reduction Potential	120	mV				1	A2580 B	03/02/09 11:00/jmh
pH	8.03	s.u.		0.01		1	A4500-H B	02/27/09 11:01/tb
Sodium Adsorption Ratio (SAR)	5.3	unitless		0.10		1	Calculation	04/07/09 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	830	mg/L		5		1	A2540 C	03/02/09 09:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	03/04/09 20:12/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	03/04/09 20:12/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/04/09 20:12/eli-c
Boron	ND	mg/L		0.1		5	E200.7	03/06/09 22:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/04/09 20:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/04/09 20:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/04/09 20:12/eli-c
Iron	0.03	mg/L		0.03		5	E200.7	03/06/09 22:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/04/09 20:12/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	03/04/09 20:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	03/04/09 20:12/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	03/04/09 20:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/04/09 20:12/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	03/09/09 10:51/eli-cs
Silver	ND	mg/L		0.005		1	E200.8	03/04/09 20:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	03/04/09 20:12/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	03/04/09 20:12/eli-c

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Page 20 of 57

Definitions: 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: R09020293-006
Client Sample ID: DewBurd GW688

Report Date: 04/14/09
Collection Date: 02/24/09 13:23
Date Received: 02/25/09
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	03/04/09 20:12/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/04/09 20:12/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/10/09 03:32/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/06/09 14:04/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/09/09 13:39/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	28.7	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Alpha precision (±)	4.3	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Alpha MDC	4.2	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Beta	19.2	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Beta precision (±)	3.2	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Beta MDC	4.8	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Lead 210	-1	pCi/L	U			1	E909.0M	03/16/09 09:10/eli-c
Lead 210 precision (±)	3.2	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Lead 210 MDC	5.4	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Polonium 210	0.45	pCi/L				1	E912.0	03/10/09 13:10/eli-c
Polonium 210 MDC	0.43	pCi/L				1	E912.0	03/10/09 13:10/eli-c
Polonium 210 precision (±)	0.41	pCi/L				1	E912.0	03/10/09 13:10/eli-c
Radium 226	7.9	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Thorium 230	0.03	pCi/L	U			1	E907.0	03/13/09 12:03/eli-c
Thorium 230 MDC	0.2	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Gross Gamma	0.0	pCi/L	U			1	E901.1	03/06/09 09:10/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	03/06/09 09:10/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.9	pCi/L	U			1	E909.0M	03/11/09 10:11/eli-c
Lead 210 precision (±)	3.4	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Lead 210 MDC	5.7	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Polonium 210	-0.054	pCi/L	U			1	E912.0	03/23/09 07:21/eli-c
Polonium 210 precision (±)	0.26	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Polonium 210 MDC	0.73	pCi/L				1	E912.0	03/23/09 07:21/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 21 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-006
Client Sample ID: DewBurd GW688

Report Date: 04/14/09
Collection Date: 02/24/09 13:23
Date Received: 02/25/09
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	03/17/09 13:12/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/17/09 13:12/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	03/17/09 13:12/eli-c
Thorium 230	0.1	pCi/L	U			1	E907.0	03/14/09 15:06/eli-c
Thorium 230 MDC	0.4	pCi/L				1	E907.0	03/14/09 15:06/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	03/14/09 15:06/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	218	pCi/L		100		1	D5072-92	02/28/09 09:50/eli-c
Radon 222 precision (±)	67.9	pCi/L				1	D5072-92	02/28/09 09:50/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	03/10/09 04:31/eli-c
Arsenic	0.003	mg/L	L	0.002		1	E200.8	03/10/09 04:31/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/10/09 04:31/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	03/16/09 23:15/eli-c
Boron	ND	mg/L	D	0.2		5	E200.7	03/10/09 16:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/10/09 04:31/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/10/09 04:31/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/10/09 04:31/eli-c
Iron	0.44	mg/L		0.03		1	E200.8	03/10/09 04:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/10/09 04:31/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	03/16/09 23:15/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/02/09 11:24/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	03/16/09 23:15/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/10/09 04:31/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	03/10/09 04:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/10/09 04:31/eli-c
Strontium	1.3	mg/L		0.1		1	E200.8	03/10/09 04:31/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	03/10/09 04:31/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	03/10/09 04:31/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	03/10/09 04:31/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.71	%				1	A1030 E	04/14/09 00:00/ADM
Anions	13.2	meq/L				1	A1030 E	04/14/09 00:00/ADM
Cations	12.6	meq/L				1	A1030 E	04/14/09 00:00/ADM
Solids, Total Dissolved Calculated	858	mg/L				1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
L - Lowest available reporting limit for the analytical method used.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

Page 22 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-006
Client Sample ID: DewBurd GW688

Report Date: 04/14/09
Collection Date: 02/24/09 13:23
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 23 of 57



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/		DF	Method	Analysis Date / By
					QCL				
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 RL - Analyte reporting limit.
Definitions: 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

Report RL - Analyte reporting limit.
Definitions: 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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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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/		Method	Analysis Date / By
					QCL	DF		
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.



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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	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
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

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

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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: 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: 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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: 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.

Page 24 of 27



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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 RL - Analyte reporting limit.
Definitions: 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

Page 25 of 27



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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: 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

Page 26 of 27



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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 27 of 27



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/		Method	Analysis Date / By
					QCL	DF		
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/el-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/el-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/el-c
Silica	4.7	mg/L		0.5		2	E200.7	06/03/08 13:26/el-c
Sodium	294	mg/L	D	2		2	E200.7	06/03/08 13:26/el-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/el-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/06/08 20:58/el-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/el-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/el-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 20:58/el-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:26/el-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 20:58/el-c
Iron	0.09	mg/L		0.03		2	E200.7	06/03/08 13:26/el-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 20:58/el-c
Manganese	0.07	mg/L		0.01		2	E200.7	06/03/08 13:26/el-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 20:58/el-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/el-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:26/el-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:25/el-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 20:58/el-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 20:58/el-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.

Page 1 of 15



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
Gross 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 RL - Analyte reporting limit.
 Definitions: 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

Page 2 of 15

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/		Method	Analysis Date / By
					QCL	DF		
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
Copper	ND	mg/L		0.01		2	E200.7	06/03/08 18:16/eli-c
Iron	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.

Page 3 of 15



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-002
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 06/24/08 15:08
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	174	mg/L		5		1	A2320 B	07/03/08 11:32/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	07/03/08 11:32/mb
Bicarbonate as HCO ₃	212	mg/L		5		1	A2320 B	07/03/08 11:32/mb
Calcium	31.6	mg/L		0.5		2	E200.7	07/07/08 18:22/eli-c
Chloride	12	mg/L		1		1	E300.0	06/26/08 21:45/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/26/08 21:45/jmh
Magnesium	11.1	mg/L		0.5		2	E200.7	07/07/08 18:22/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH ₃ G	06/25/08 15:47/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/26/08 21:45/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/26/08 21:45/jmh
Potassium	9.4	mg/L		0.5		2	E200.7	07/07/08 18:22/eli-c
Silica	5.0	mg/L		0.5		2	E200.7	07/07/08 18:22/eli-c
Sodium	295	mg/L	D	2		2	E200.7	07/07/08 18:22/eli-c
Sulfate	456	mg/L		1		20	E300.0	06/26/08 21:29/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1390	umhos/cm		5.0		1	A2510 B	07/01/08 11:07/tb
Oxidation-Reduction Potential	99	mV				1	A2580 B	06/27/08 00:00/jmh
pH	8.29	s.u.		0.01		1	A4500-H B	07/01/08 10:04/tb
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	08/21/08 16:50/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	06/27/08 11:56/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/15/08 18:39/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 18:39/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 18:22/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 18:39/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	07/07/08 18:22/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 18:39/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	07/07/08 18:22/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 18:39/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 18:22/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:13/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 18:39/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 4 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-002
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 06/24/08 15:08
Date Received: 06/25/08
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	07/15/08 18:39/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/15/08 18:39/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/07/08 18:22/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 18:22/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 12:20/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:15/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	23.9	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	4.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	9.9	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	3.8	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Lead 210	-5.3	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.7	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	3.3	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/28/08 20:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/28/08 20:05/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	5.6	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	07/15/08 23:30/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 5 of 21



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-002
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 06/24/08 15:08
Date Received: 06/25/08
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	07/15/08 23:30/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	517	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	136	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/17/08 00:38/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/17/08 00:38/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 02:34/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 14:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 02:34/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 00:38/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:34/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:34/eli-c
Iron	0.67	mg/L		0.03		2	E200.7	07/08/08 02:34/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/17/08 00:38/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	07/08/08 02:34/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/09/08 11:42/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:34/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:34/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/17/08 00:38/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 14:08/eli-c
Strontium	0.8	mg/L		0.1		2	E200.7	07/08/08 02:34/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/17/08 00:38/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	07/17/08 00:38/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 02:34/eli-c
DATA QUALITY								
A/C Balance (± 5)	7.89	%				1	A1030 E	08/21/08 00:00/kl
Anions	13.3	meq/L				1	A1030 E	08/21/08 00:00/kl
Cations	15.6	meq/L				1	A1030 E	08/21/08 00:00/kl
Solids, Total Dissolved Calculated	934	mg/L				1	A1030 E	08/21/08 00:00/kl
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	08/21/08 00:00/kl

Report RL - Analyte reporting limit.
Definitions: 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.

Page 6 of 21



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-004
Client Sample ID: DewBurd GW696

Report Date: 10/03/08
Collection Date: 07/14/08 15:10
Date Received: 07/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	07/15/08 18:51/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/15/08 18:51/mb
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	07/15/08 18:51/mb
Calcium	28.8	mg/L		0.5		1	E200.7	07/21/08 21:36/eli-c
Chloride	13	mg/L		1		1	E300.0	07/16/08 15:13/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/16/08 15:13/jmh
Magnesium	10.2	mg/L		0.5		1	E200.8	07/24/08 04:19/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	07/17/08 16:26/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/16/08 15:13/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/16/08 15:13/jmh
Potassium	13.4	mg/L		0.5		1	E200.7	07/21/08 21:36/eli-c
Silica	2.1	mg/L		0.5		1	E200.7	07/21/08 21:36/eli-c
Sodium	291	mg/L		0.5		1	E200.7	07/21/08 21:36/eli-c
Sulfate	526	mg/L	D	3		50	E300.0	07/16/08 14:57/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1350	umhos/cm		5.0		1	A2510 B	07/17/08 10:26/tb
Oxidation-Reduction Potential	100	mV				1	A2580 B	07/16/08 00:00/kh
pH	8.19	s.u.		0.01		1	A4500-H B	07/16/08 16:03/tb
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	09/29/08 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	07/17/08 17:29/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	07/24/08 04:19/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/26/08 00:07/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/26/08 00:07/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/11/08 16:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/26/08 00:07/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/26/08 00:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/26/08 00:07/eli-c
Iron	0.08	mg/L		0.03		2	E200.7	09/11/08 16:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/24/08 04:19/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	07/24/08 04:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/24/08 04:19/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/26/08 00:07/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/26/08 00:07/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 16:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/26/08 00:07/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/24/08 04:19/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 10 of 33



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-004
Client Sample ID: DewBurd GW696

Report Date: 10/03/08
Collection Date: 07/14/08 15:10
Date Received: 07/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/24/08 04:19/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/26/08 00:07/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/28/08 17:06/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/27/08 04:26/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 13:49/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.0	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Alpha MDC	3.8	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta	3.7	pCi/L	U			1	E900.0	09/04/08 06:47/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Lead 210	-3	pCi/L	U			1	E909.0M	07/25/08 11:45/eli-c
Lead 210 precision (±)	5.5	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Lead 210 MDC	9.2	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	08/06/08 15:43/eli-c
Polonium 210 precision (±)	0.43	pCi/L				1	RMO-3008	08/06/08 15:43/eli-c
Radium 226	0.4	pCi/L				1	E903.0	08/12/08 13:16/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/12/08 13:16/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/13/08 12:43/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/13/08 12:43/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.1	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.8	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	0.17	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	08/06/08 15:36/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 15:36/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/06/08 15:36/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 11 of 33



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-004
Client Sample ID: DewBurd GW696

Report Date: 10/03/08
Collection Date: 07/14/08 15:10
Date Received: 07/15/08
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	08/05/08 12:51/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/05/08 12:51/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	228	pCi/L		100		1	D5072-92	07/16/08 18:45/eli-c
Radon 222 precision (±)	49.3	pCi/L				1	D5072-92	07/16/08 18:45/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/30/08 04:18/eli-c
Arsenic	0.003	mg/L		0.002		10	E200.8	07/30/08 04:18/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/25/08 00:00/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/31/08 14:50/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/25/08 00:00/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/30/08 04:18/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/25/08 00:00/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/25/08 00:00/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	07/25/08 00:00/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/30/08 04:18/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	07/25/08 00:00/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/23/08 15:24/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/25/08 00:00/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/25/08 00:00/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/30/08 04:18/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/31/08 14:50/eli-c
Strontium	0.8	mg/L		0.1		2	E200.7	07/25/08 00:00/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/30/08 04:18/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	07/30/08 04:18/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/25/08 00:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.30	%				1	A1030 E	09/29/08 00:00/jmh
Anions	14.9	meq/L				1	A1030 E	09/29/08 00:00/jmh
Cations	15.3	meq/L				1	A1030 E	09/29/08 00:00/jmh
Solids, Total Dissolved Calculated	996	mg/L				1	A1030 E	09/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.930					1	A1030 E	09/29/08 00:00/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.

Page 12 of 33



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080332-006
Client Sample ID: DewBurd GW696

Report Date: 11/14/08
Collection Date: 08/20/08 15:10
Date Received: 08/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	182	mg/L		5		1	A2320 B	08/21/08 15:25/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	08/21/08 15:25/mb
Bicarbonate as HCO3	222	mg/L		5		1	A2320 B	08/21/08 15:25/mb
Calcium	32.3	mg/L		0.5		2	E200.7	09/02/08 17:13/eli-c
Chloride	13	mg/L		1		1	E300.0	08/22/08 23:53/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	08/22/08 23:53/jmh
Magnesium	11.0	mg/L		0.5		2	E200.7	09/02/08 17:13/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	08/21/08 18:39/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	08/22/08 23:53/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	08/22/08 23:53/jmh
Potassium	9.3	mg/L		0.5		2	E200.7	09/02/08 17:13/eli-c
Silica	4.5	mg/L		0.5		2	E200.7	09/02/08 17:13/eli-c
Sodium	297	mg/L	D	2		2	E200.7	09/02/08 17:13/eli-c
Sulfate	495	mg/L	D	3		50	E300.0	08/22/08 23:37/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1690	umhos/cm		5.0		1	A2510 B	08/22/08 12:04/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	08/25/08 00:00/jmh
pH	8.29	s.u.		0.01		1	A4500-H B	08/22/08 14:12/tb
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	11/04/08 09:20/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	08/25/08 16:05/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	09/02/08 17:13/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	09/04/08 04:28/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/02/08 17:13/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/02/08 17:13/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/04/08 04:28/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/02/08 17:13/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/04/08 04:28/eli-c
Iron	ND	mg/L		0.03		2	E200.7	09/02/08 17:13/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/04/08 04:28/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	09/02/08 17:13/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/04/08 04:28/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	09/02/08 17:13/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/02/08 17:13/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	09/01/08 12:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/05/08 01:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/05/08 01:44/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 16 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080332-006
Client Sample ID: DewBurd GW696

Report Date: 11/14/08
Collection Date: 08/20/08 15:10
Date Received: 08/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	09/04/08 04:28/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	09/04/08 04:28/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	09/02/08 17:13/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	09/11/08 00:36/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/31/08 16:41/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	09/01/08 11:59/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	7.1	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Alpha precision (±)	2.9	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Alpha MDC	3.9	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Beta	6.7	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Beta precision (±)	2.9	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Beta MDC	4.7	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Lead 210	3.4	pCi/L	U			1	E909.0M	09/04/08 07:39/eli-c
Lead 210 precision (±)	6.4	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Lead 210 MDC	10.7	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Polonium 210	-0.3	pCi/L	U	1.0		1	RMO-3008	09/03/08 19:15/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	09/03/08 19:15/eli-c
Radium 226	1.3	pCi/L				1	E903.0	09/21/08 03:12/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	09/21/08 03:12/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	09/21/08 12:59/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	09/21/08 12:59/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	08/29/08 12:32/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	08/29/08 12:32/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.2	pCi/L	U			1	E909.0M	09/12/08 10:37/eli-c
Lead 210 precision (±)	10.6	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Lead 210 MDC	17.8	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	09/15/08 14:35/eli-c
Polonium 210 precision (±)	0.36	pCi/L				1	RMO-3008	09/15/08 14:35/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	09/17/08 15:43/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	09/17/08 15:43/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	09/17/08 15:43/eli-c

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

Page 17 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080332-006
Client Sample ID: DewBurd GW696

Report Date: 11/14/08
Collection Date: 08/20/08 15:10
Date Received: 08/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	09/28/08 13:33/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	09/28/08 13:33/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	343	pCi/L		100		1	D5072-92	08/25/08 17:46/eli-c
Radon 222 precision (±)	86.3	pCi/L				1	D5072-92	08/25/08 17:46/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	09/04/08 04:35/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	09/04/08 04:35/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/02/08 19:39/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	09/04/08 04:35/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/02/08 19:39/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/04/08 04:35/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/02/08 19:39/eli-c
Copper	ND	mg/L		0.01		2	E200.7	09/02/08 19:39/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	09/02/08 19:39/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/04/08 04:35/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	09/02/08 19:39/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	08/29/08 14:01/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	09/02/08 19:39/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/02/08 19:39/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	09/04/08 04:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/04/08 18:36/eli-c
Strontium	0.8	mg/L		0.1		2	E200.7	09/02/08 19:39/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	09/04/08 04:35/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	09/04/08 04:35/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	09/02/08 19:39/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.56	%				1	A1030 E	11/04/08 00:00/jmh
Anions	14.3	meq/L				1	A1030 E	11/04/08 00:00/jmh
Cations	15.7	meq/L				1	A1030 E	11/04/08 00:00/jmh
Solids, Total Dissolved Calculated	978	mg/L				1	A1030 E	11/04/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	11/04/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 18 of 27



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090356-006
Client Sample ID: DewBurd GW696

Report Date: 11/20/08
Collection Date: 09/23/08 09:35
Date Received: 09/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	10/02/08 14:30/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/02/08 14:30/mb
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	10/02/08 14:30/mb
Calcium	30.6	mg/L		0.5		2	E200.7	10/10/08 12:11/eli-c
Chloride	12	mg/L		1		1	E300.0	09/25/08 17:23/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/25/08 17:23/jmh
Magnesium	10.6	mg/L		0.5		2	E200.7	10/10/08 12:11/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	09/30/08 14:18/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/25/08 17:23/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/25/08 17:23/jmh
Potassium	8.6	mg/L		0.5		2	E200.7	10/10/08 12:11/eli-c
Sodium	280	mg/L		2		2	E200.7	10/10/08 12:11/eli-c
Sulfate	506	mg/L	D	3		50	E300.0	09/25/08 17:07/jmh
Silica	ND	mg/L		0.5		2	E200.7	10/10/08 12:11/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1100	umhos/cm		5.0		1	A2510 B	09/25/08 10:40/tb
Oxidation-Reduction Potential	190	mV				1	A2580 B	09/25/08 00:00/jmh
pH	8.15	s.u.		0.01		1	A4500-H B	09/25/08 11:25/tb
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	11/17/08 14:15/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	09/30/08 13:55/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	10/10/08 12:11/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/02/08 04:44/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/02/08 04:44/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/10/08 12:11/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/02/08 04:44/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/02/08 04:44/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/02/08 04:44/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/10/08 12:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/02/08 04:44/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	10/02/08 04:44/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/02/08 04:44/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/02/08 04:44/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/02/08 04:44/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/02/08 16:14/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/02/08 04:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/02/08 04:44/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 16 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090356-006
Client Sample ID: DewBurd GW696

Report Date: 11/20/08
Collection Date: 09/23/08 09:35
Date Received: 09/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		DF	Method	Analysis Date / By
				RL	QCL			
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/02/08 04:44/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/02/08 04:44/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/02/08 04:44/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/02/08 03:46/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/02/08 11:43/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/02/08 16:47/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	5.9	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Alpha precision (±)	3.4	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Alpha MDC	5.0	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Beta	8.2	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Gross Beta MDC	3.9	pCi/L				1	E900.0	10/30/08 01:42/eli-ca
Lead 210	-1	pCi/L	U			1	E909.0M	10/02/08 10:37/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	10/02/08 10:37/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	10/02/08 10:37/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	10/02/08 14:54/eli-c
Polonium 210 precision (±)	0.89	pCi/L				1	RMO-3008	10/02/08 14:54/eli-c
Radium 226	1.5	pCi/L				1	E903.0	10/21/08 08:28/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	10/21/08 08:28/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	10/27/08 15:37/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	10/27/08 15:37/eli-c
Gross Gamma	1000	pCi/L				1	E901.1	10/13/08 15:50/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	10/13/08 15:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.9	pCi/L	U			1	E909.0M	10/13/08 10:21/eli-c
Lead 210 precision (±)	5.5	pCi/L				1	E909.0M	10/13/08 10:21/eli-c
Lead 210 MDC	9.2	pCi/L				1	E909.0M	10/13/08 10:21/eli-c
Polonium 210	-0.062	pCi/L	U			1	RMO-3008	10/09/08 12:31/eli-c
Polonium 210 precision (±)	0.25	pCi/L				1	RMO-3008	10/09/08 12:31/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	10/09/08 09:28/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	10/09/08 09:28/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	10/09/08 09:28/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 17 of 27



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090356-006
Client Sample ID: DewBurd GW696

Report Date: 11/20/08
Collection Date: 09/23/08 09:35
Date Received: 09/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	09/30/08 15:00/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	09/30/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	214	pCi/L		100		1	D5072-92	09/26/08 15:10/eli-c
Radon 222 precision (±)	61.0	pCi/L				1	D5072-92	09/26/08 15:10/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	10/03/08 17:17/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/03/08 17:17/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/03/08 17:17/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	10/03/08 17:17/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/10/08 22:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/03/08 17:17/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/03/08 17:17/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/03/08 17:17/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	10/10/08 22:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/03/08 17:17/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	10/03/08 17:17/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	09/29/08 12:21/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	10/03/08 17:17/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/03/08 17:17/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/03/08 17:17/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/03/08 17:17/eli-c
Strontium	0.8	mg/L		0.1		1	E200.8	10/03/08 17:17/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	10/03/08 17:17/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/03/08 17:17/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/03/08 17:17/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.13	%				1	A1030 E	11/17/08 00:00/jmh
Anions	14.5	meq/L				1	A1030 E	11/17/08 00:00/jmh
Cations	14.8	meq/L				1	A1030 E	11/17/08 00:00/jmh
Solids, Total Dissolved Calculated	957	mg/L				1	A1030 E	11/17/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	11/17/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 18 of 27



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-014
Client Sample ID: DewBurd GW696

Report Date: 12/29/08
Collection Date: 10/21/08 08:45
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	10/29/08 11:27/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/29/08 11:27/mb
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	10/29/08 11:27/mb
Calcium	30.3	mg/L		0.5		2	E200.7	11/05/08 19:20/eli-c
Chloride	13	mg/L		1		1	E300.0	10/23/08 07:11/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	10/23/08 07:11/jmh
Magnesium	10.6	mg/L		0.5		2	E200.7	11/05/08 19:20/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	10/23/08 18:11/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/23/08 07:11/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	10/23/08 07:11/jmh
Potassium	8.9	mg/L		0.5		2	E200.7	11/05/08 19:20/eli-c
Sodium	282	mg/L	D	2		2	E200.7	11/05/08 19:20/eli-c
Sulfate	493	mg/L	D	3		50	E300.0	10/23/08 06:54/jmh
Silica	9.8	mg/L		0.2		2	E200.7	11/05/08 19:20/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1490	umhos/cm		5.0		1	A2510 B	10/28/08 17:32/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	10/27/08 19:00/jmh
pH	8.26	s.u.		0.01		1	A4500-H B	10/28/08 13:58/tb
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	12/10/08 17:07/ADM
Solids, Total Dissolved TDS @ 180 C	950	mg/L		5		1	A2540 C	10/24/08 15:50/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	11/05/08 19:20/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/05/08 16:18/eli-c
Barium	ND	mg/L		0.1		2	E200.7	11/05/08 19:20/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 19:20/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/05/08 16:18/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	11/05/08 19:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/05/08 16:18/eli-c
Iron	ND	mg/L		0.03		2	E200.7	11/05/08 19:20/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/05/08 16:18/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	11/05/08 19:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/05/08 16:18/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	11/05/08 19:20/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	11/05/08 19:20/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/31/08 10:18/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/05/08 16:18/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/05/08 16:18/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 40 of 42



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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: R08100295-014
Client Sample ID: DewBurd GW696

Report Date: 12/29/08
Collection Date: 10/21/08 08:45
Date Received: 10/22/08
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	11/06/08 17:37/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	11/05/08 19:20/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	11/05/08 19:20/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/06/08 16:43/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/30/08 15:15/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/08 10:28/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	9.8	pCi/L				1	E900.0	11/24/08 07:45/eli-ca
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	11/24/08 07:45/eli-ca
Gross Alpha MDC	3.3	pCi/L				1	E900.0	11/24/08 07:45/eli-ca
Gross Beta	9.1	pCi/L				1	E900.0	11/24/08 07:45/eli-ca
Gross Beta precision (±)	2.3	pCi/L				1	E900.0	11/24/08 07:45/eli-ca
Gross Beta MDC	3.6	pCi/L				1	E900.0	11/24/08 07:45/eli-ca
Lead 210	-1	pCi/L	U			1	E909.0M	11/06/08 09:13/eli-c
Lead 210 precision (±)	3.6	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Lead 210 MDC	6.1	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	11/19/08 09:23/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	11/19/08 09:23/eli-c
Radium 226	0.8	pCi/L				1	E903.0	11/11/08 02:30/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	11/11/08 02:30/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	11/20/08 13:36/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	11/20/08 13:36/eli-c
Gross Gamma	1100	pCi/L				1	E901.1	10/27/08 11:00/eli-c
Gross Gamma precision (±)	210	pCi/L				1	E901.1	10/27/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.7	pCi/L	U			1	E909.0M	11/11/08 10:15/eli-c
Lead 210 precision (±)	4.0	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Lead 210 MDC	6.8	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	11/13/08 15:31/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	11/13/08 15:31/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	11/11/08 14:35/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	11/11/08 14:35/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	11/11/08 14:35/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

Page 41 of 42



LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-014
Client Sample ID: DewBurd GW696

Report Date: 12/29/08
Collection Date: 10/21/08 08:45
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	-0.3	pCi/L	U	0.2		1	E907.0	11/07/08 14:30/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	11/07/08 14:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	260	pCi/L		100		1	D5072-92	10/24/08 12:24/eli-c
Radon 222 precision (±)	60.4	pCi/L				1	D5072-92	10/24/08 12:24/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	11/05/08 18:53/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/05/08 18:53/eli-c
Barium	ND	mg/L		0.1		2	E200.7	11/05/08 20:01/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	11/05/08 18:53/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 20:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/05/08 18:53/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	11/05/08 20:01/eli-c
Copper	ND	mg/L		0.01		2	E200.7	11/05/08 20:01/eli-c
Iron	0.13	mg/L		0.03		2	E200.7	11/05/08 20:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/05/08 18:53/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	11/05/08 20:01/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	10/27/08 12:53/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	11/05/08 20:01/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	11/05/08 20:01/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	11/05/08 18:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/05/08 18:53/eli-c
Strontium	0.8	mg/L		0.1		2	E200.7	11/05/08 20:01/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	11/05/08 18:53/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	11/06/08 18:06/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	11/05/08 20:01/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.18	%				1	A1030 E	12/10/08 00:00/jmh
Anions	14.3	meq/L				1	A1030 E	12/10/08 00:00/jmh
Cations	14.9	meq/L				1	A1030 E	12/10/08 00:00/jmh
Solids, Total Dissolved Calculated	973	mg/L				1	A1030 E	12/10/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	12/10/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 42 of 42

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-002
Client Sample ID: DewBurd GW696

Report Date: 01/29/09
Collection Date: 11/18/08 08:45
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	178	mg/L		5		1	A2320 B	11/25/08 11:22/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	11/25/08 11:22/mb
Bicarbonate as HCO ₃	217	mg/L		5		1	A2320 B	11/25/08 11:22/mb
Calcium	30.9	mg/L		0.5		2	E200.7	12/10/08 16:36/eli-c
Chloride	13	mg/L		1		1	E300.0	11/20/08 19:25/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/20/08 19:25/jmh
Magnesium	10.6	mg/L		0.5		2	E200.7	12/10/08 16:36/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH ₃ G	11/25/08 17:13/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/20/08 19:25/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/20/08 19:25/jmh
Potassium	9.1	mg/L		0.5		2	E200.7	12/10/08 16:36/eli-c
Sodium	293	mg/L	D	2		2	E200.7	12/10/08 16:36/eli-c
Sulfate	476	mg/L	D	3		50	E300.0	11/21/08 03:37/jmh
Silica	9.9	mg/L		0.2		2	E200.7	12/10/08 16:36/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1340	umhos/cm		5.0		1	A2510 B	11/25/08 15:31/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	11/25/08 16:00/jmh
pH	8.03	s.u.		0.01		1	A4500-H B	11/25/08 14:44/tb
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	01/29/09 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	790	mg/L		5		1	A2540 C	11/21/08 11:27/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/03/08 19:40/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/03/08 19:40/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/03/08 19:40/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/10/08 16:36/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/03/08 19:40/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/03/08 19:40/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/03/08 19:40/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/10/08 16:36/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/03/08 19:40/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	12/03/08 19:40/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/03/08 19:40/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/03/08 19:40/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/03/08 19:40/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/05/08 09:44/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/05/08 02:58/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/03/08 19:40/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 4 of 42

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-002
Client Sample ID: DewBurd GW696

Report Date: 01/29/09
Collection Date: 11/18/08 08:45
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	12/03/08 19:40/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/03/08 19:40/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/03/08 19:40/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	12/11/08 01:09/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/04/08 15:34/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/05/08 11:31/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	6.9	pCi/L				1	E900.0	12/24/08 01:10/eli-ca
Gross Alpha precision (±)	3.2	pCi/L				1	E900.0	12/24/08 01:10/eli-ca
Gross Alpha MDC	4.4	pCi/L				1	E900.0	12/24/08 01:10/eli-ca
Gross Beta	9.0	pCi/L				1	E900.0	12/24/08 01:10/eli-ca
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	12/24/08 01:10/eli-ca
Gross Beta MDC	4.1	pCi/L				1	E900.0	12/24/08 01:10/eli-ca
Lead 210	0.0	pCi/L	U			1	E909.0M	12/11/08 10:00/eli-c
Lead 210 precision (±)	2.6	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Lead 210 MDC	4.4	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	12/11/08 10:19/eli-c
Polonium 210 precision (±)	0.33	pCi/L				1	RMO-3008	12/11/08 10:19/eli-c
Radium 226	0.8	pCi/L				1	E903.0	12/16/08 23:17/eli-ca
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	12/16/08 23:17/eli-ca
Radium 226 MDC	0.2	pCi/L				1	E903.0	12/16/08 23:17/eli-ca
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	12/12/08 16:26/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	12/12/08 16:26/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	12/03/08 15:07/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	12/03/08 15:07/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-6	pCi/L	U			1	E909.0M	12/18/08 07:13/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Polonium 210	-0.11	pCi/L	U			1	RMO-3008	12/30/08 08:57/eli-c
Polonium 210 precision (±)	0.33	pCi/L				1	RMO-3008	12/30/08 08:57/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	12/18/08 15:28/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	12/18/08 15:28/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 5 of 42



ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-002
Client Sample ID: DewBurd GW696

Report Date: 01/29/09
Collection Date: 11/18/08 08:45
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.4	pCi/L				1	E903.0	12/18/08 15:28/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	12/11/08 15:00/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	12/11/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	222	pCi/L		100		1	D5072-92	11/23/08 09:20/eli-c
Radon 222 precision (±)	82.9	pCi/L				1	D5072-92	11/23/08 09:20/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/05/08 06:41/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/05/08 06:41/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/05/08 06:41/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	12/05/08 06:41/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/10/08 22:25/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/05/08 06:41/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/05/08 06:41/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/05/08 06:41/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	12/10/08 22:25/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/05/08 06:41/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	12/05/08 06:41/eli-c
Mercury	ND	mg/L		0.001		1	0	11/24/08 12:16/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	12/05/08 06:41/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/05/08 06:41/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	12/05/08 06:41/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/08/08 13:29/eli-c
Strontium	0.7	mg/L		0.1		1	E200.8	12/05/08 06:41/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/05/08 06:41/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/05/08 06:41/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/05/08 06:41/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.40	%				1	A1030 E	01/29/09 00:00/jmh
Anions	13.8	meq/L				1	A1030 E	01/29/09 00:00/jmh
Cations	15.4	meq/L				1	A1030 E	01/29/09 00:00/jmh
Solids, Total Dissolved Calculated	967	mg/L				1	A1030 E	01/29/09 00:00/jmh
TDS Balance (0.80 - 1.20)	0.820					1	A1030 E	01/29/09 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 6 of 42

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-012
Client Sample ID: DewBurd GW696

Report Date: 01/27/09
Collection Date: 12/17/08 16:05
Date Received: 12/18/08
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	01/21/09 23:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	01/21/09 23:27/eli-c
Thorium 230	-0.2	pCi/L	U	0.2		1	E907.0	01/07/09 13:33/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	01/07/09 13:33/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	182	pCi/L		100		1	D5072-92	12/19/08 15:40/eli-c
Radon 222 precision (±)	48.8	pCi/L				1	D5072-92	12/19/08 15:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/30/08 02:46/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/30/08 02:46/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/30/08 02:46/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	01/01/09 23:25/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 18:24/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/30/08 02:46/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/30/08 02:46/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/30/08 02:46/eli-c
Iron	0.16	mg/L		0.03		2	E200.7	01/05/09 18:24/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/30/08 02:46/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	12/30/08 02:46/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	12/26/08 15:40/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	01/01/09 23:25/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/30/08 02:46/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	12/30/08 02:46/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/01/09 23:25/eli-c
Strontium	0.7	mg/L		0.1		1	E200.8	12/30/08 02:46/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/30/08 02:46/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/30/08 02:46/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/12/09 18:18/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.39	%				1	A1030 E	01/23/09 00:00/jmh
Anions	13.5	meq/L				1	A1030 E	01/23/09 00:00/jmh
Cations	14.8	meq/L				1	A1030 E	01/23/09 00:00/jmh
Solids, Total Dissolved Calculated	936	mg/L				1	A1030 E	01/23/09 00:00/jmh
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	01/23/09 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 36 of 39



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-013
Client Sample ID: DewBurd GW696

Report Date: 03/17/09
Collection Date: 01/20/09 16:55
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	178	mg/L		5		1	A2320 B	01/26/09 14:47/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	01/26/09 14:47/mb
Bicarbonate as HCO ₃	217	mg/L		5		1	A2320 B	01/26/09 14:47/mb
Calcium	27.0	mg/L		0.5		2	E200.7	01/30/09 21:24/eli-c
Chloride	12	mg/L		1		1	E300.0	01/22/09 08:02/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	01/22/09 08:02/jmh
Magnesium	9.6	mg/L		0.5		2	E200.7	01/30/09 21:24/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH ₃ G	01/21/09 17:28/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	01/22/09 08:02/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	01/22/09 08:02/jmh
Potassium	8.8	mg/L		0.5		2	E200.7	01/30/09 21:24/eli-c
Sodium	253	mg/L		0.5		2	E200.7	01/30/09 21:24/eli-c
Sulfate	483	mg/L	D	3		50	E300.0	01/22/09 07:46/jmh
Silica	7.5	mg/L		0.2		2	E200.7	01/30/09 21:24/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1400	umhos/cm		5.0		1	A2510 B	01/22/09 15:08/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	01/27/09 11:00/jmh
pH	8.05	s.u.		0.01		1	A4500-H B	01/22/09 10:19/tb
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	03/16/09 16:28/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	01/26/09 09:25/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/03/09 19:00/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	01/30/09 20:05/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/30/09 20:05/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/30/09 21:24/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/30/09 20:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/30/09 20:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/30/09 20:05/eli-c
Iron	ND	mg/L		0.03		2	E200.7	01/30/09 21:24/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/30/09 20:05/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	01/30/09 20:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/03/09 19:00/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/30/09 20:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/30/09 20:05/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/09 10:48/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/30/09 20:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/30/09 20:05/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	01/30/09 20:05/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 37 of 42

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-013
Client Sample ID: DewBurd GW696

Report Date: 03/17/09
Collection Date: 01/20/09 16:55
Date Received: 01/21/09
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	01/30/09 20:05/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/30/09 20:05/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/09 01:37/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/24/09 16:47/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/09 11:07/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	20.2	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Alpha MDC	3.6	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Beta	6.4	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Beta precision (±)	2.7	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	02/07/09 01:12/eli-c
Lead 210	0.4	pCi/L	U			1	E909.0M	02/03/09 10:43/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Lead 210 MDC	4.2	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Polonium 210	0.0	pCi/L	U			1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 MDC	0.61	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 precision (±)	0.23	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Radium 226	1	pCi/L				1	E903.0	02/05/09 14:35/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	02/05/09 14:35/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	02/06/09 08:45/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	02/06/09 08:45/eli-c
Gross Gamma	940	pCi/L				1	E901.1	02/04/09 14:00/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	02/04/09 14:00/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	-4	pCi/L	U			1	E909.0M	03/10/09 13:35/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	03/10/09 13:35/eli-c
Lead 210 MDC	8.0	pCi/L				1	E909.0M	03/10/09 13:35/eli-c
Polonium 210	-0.035	pCi/L	U			1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 precision (±)	0.18	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 MDC	0.50	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	02/18/09 13:41/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	02/18/09 13:41/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 38 of 42

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-013
Client Sample ID: DewBurd GW696

Report Date: 03/17/09
Collection Date: 01/20/09 16:55
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.5	pCi/L				1	E903.0	02/18/09 13:41/eli-ca
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	03/01/09 14:58/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/01/09 14:58/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	250	pCi/L		100		1	D5072-92	01/23/09 14:10/eli-c
Radon 222 precision (±)	58.2	pCi/L				1	D5072-92	01/23/09 14:10/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	01/30/09 21:40/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/04/09 20:33/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/30/09 21:40/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	01/30/09 21:40/eli-c
Boron	ND	mg/L		0.1		2	E200.7	02/05/09 19:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/30/09 21:40/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/30/09 21:40/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/30/09 21:40/eli-c
Iron	0.14	mg/L	D	0.04		2	E200.7	02/05/09 19:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/30/09 21:40/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	01/30/09 21:40/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	01/26/09 11:21/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	02/04/09 20:33/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/30/09 21:40/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/04/09 20:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/30/09 21:40/eli-c
Strontium	0.8	mg/L		0.1		1	E200.8	02/04/09 20:33/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	01/30/09 21:40/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	01/30/09 21:40/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/30/09 21:40/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.22	%				1	A1030 E	03/16/09 00:00/lkl
Anions	14.0	meq/L				1	A1030 E	03/16/09 00:00/lkl
Cations	13.4	meq/L				1	A1030 E	03/16/09 00:00/lkl
Solids, Total Dissolved Calculated	921	mg/L				1	A1030 E	03/16/09 00:00/lkl
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	03/16/09 00:00/lkl

Report RL - Analyte reporting limit.
Definitions: 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.

Page 39 of 42

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-015
Client Sample ID: DewBurd GW696

Report Date: 04/14/09
Collection Date: 02/24/09 17:31
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	182	mg/L		5		1	A2320 B	03/03/09 14:58/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	03/03/09 14:58/mb
Bicarbonate as HCO ₃	222	mg/L		5		1	A2320 B	03/03/09 14:58/mb
Calcium	31	mg/L	D	6		5	E200.7	03/07/09 00:00/eli-c
Chloride	12	mg/L		1		1	E300.0	02/26/09 10:30/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	02/26/09 10:30/jmh
Magnesium	10.7	mg/L		0.5		5	E200.7	03/07/09 00:00/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH ₃ G	02/27/09 15:47/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/26/09 10:30/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/26/09 10:30/jmh
Potassium	10.1	mg/L		0.5		5	E200.7	03/07/09 00:00/eli-c
Sodium	273	mg/L		0.5		5	E200.7	03/07/09 00:00/eli-c
Sulfate	470	mg/L		1		10	E300.0	02/27/09 01:45/jmh
Silica	8.8	mg/L		0.2		5	E200.7	03/07/09 00:00/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1290	umhos/cm		5.0		1	A2510 B	02/27/09 13:14/tb
Oxidation-Reduction Potential	130	mV				1	A2580 B	03/02/09 11:00/jmh
pH	8.08	s.u.		0.01		1	A4500-H B	02/27/09 11:16/tb
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	04/07/09 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	03/02/09 10:06/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	03/04/09 22:28/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	03/04/09 22:28/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/04/09 22:28/eli-c
Boron	ND	mg/L		0.1		5	E200.7	03/07/09 00:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/04/09 22:28/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/04/09 22:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/04/09 22:28/eli-c
Iron	ND	mg/L		0.03		5	E200.7	03/07/09 00:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/04/09 22:28/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	03/04/09 22:28/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	03/04/09 22:28/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	03/04/09 22:28/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/04/09 22:28/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	03/09/09 11:25/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	03/04/09 22:28/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	03/04/09 22:28/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	03/04/09 22:28/eli-c

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Page 54 of 57

Definitions: 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: R09020293-015
Client Sample ID: DewBurd GW696

Report Date: 04/14/09
Collection Date: 02/24/09 17:31
Date Received: 02/25/09
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	03/04/09 22:28/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/04/09 22:28/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/10/09 04:26/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/06/09 14:39/eli-cz
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/26/09 15:17/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.3	pCi/L	U			1	E900.0	03/12/09 11:11/eli-ca
Gross Alpha precision (±)	3.2	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Gross Alpha MDC	4.8	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Gross Beta	2.0	pCi/L	U			1	E900.0	03/12/09 11:11/eli-ca
Gross Beta precision (±)	3.4	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Gross Beta MDC	5.7	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Lead 210	-0.3	pCi/L	U			1	E909.0M	03/16/09 09:10/eli-c
Lead 210 precision (±)	1.6	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Lead 210 MDC	2.7	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Polonium 210	-0.094	pCi/L	U			1	E912.0	03/11/09 12:08/eli-c
Polonium 210 MDC	0.72	pCi/L				1	E912.0	03/11/09 12:08/eli-c
Polonium 210 precision (±)	0.25	pCi/L				1	E912.0	03/11/09 12:08/eli-c
Radium 226	1.3	pCi/L				1	E903.0	03/11/09 17:31/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/11/09 17:31/eli-c
Thorium 230	0.2	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Gross Gamma	1000	pCi/L				1	E901.1	03/06/09 09:10/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	03/06/09 09:10/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	0.8	pCi/L	U			1	E909.0M	03/11/09 10:11/eli-c
Lead 210 precision (±)	3.4	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Lead 210 MDC	5.7	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Polonium 210	0.045	pCi/L	U			1	E912.0	03/23/09 07:21/eli-c
Polonium 210 precision (±)	0.36	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Polonium 210 MDC	0.80	pCi/L				1	E912.0	03/23/09 07:21/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 55 of 57

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-015
Client Sample ID: DewBurd GW696

Report Date: 04/14/09
Collection Date: 02/24/09 17:31
Date Received: 02/25/09
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	03/17/09 14:53/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	03/17/09 14:53/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	03/17/09 14:53/eli-c
Thorium 230	-0.04	pCi/L	U			1	E907.0	03/14/09 15:06/eli-c
Thorium 230 MDC	0.3	pCi/L				1	E907.0	03/14/09 15:06/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/14/09 15:06/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	234	pCi/L		100		1	D5072-92	02/28/09 09:50/eli-c
Radon 222 precision (±)	66.2	pCi/L				1	D5072-92	02/28/09 09:50/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	03/10/09 06:15/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	03/10/09 06:15/eli-c
Barium	ND	mg/L		0.1		5	E200.7	03/07/09 00:05/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	03/11/09 06:50/eli-c
Boron	ND	mg/L	D	0.2		5	E200.7	03/10/09 20:06/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/10/09 06:15/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/10/09 06:15/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/10/09 06:15/eli-c
Iron	0.10	mg/L		0.03		1	E200.8	03/10/09 06:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/10/09 06:15/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	03/06/09 04:20/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	02/27/09 16:33/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	03/11/09 06:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/10/09 06:15/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	03/10/09 06:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/10/09 06:15/eli-c
Strontium	0.8	mg/L		0.1		1	E200.8	03/10/09 06:15/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	03/10/09 06:15/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	03/10/09 06:15/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/10/09 06:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.91	%				1	A1030 E	04/14/09 00:00/ADM
Anions	13.8	meq/L				1	A1030 E	04/14/09 00:00/ADM
Cations	14.6	meq/L				1	A1030 E	04/14/09 00:00/ADM
Solids, Total Dissolved Calculated	941	mg/L				1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: 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.

Page 56 of 57

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-015
Client Sample ID: DewBurd GW696

Report Date: 04/14/09
Collection Date: 02/24/09 17:31
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

Page 57 of 57



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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/		Method	Analysis Date / By
					QCL	DF		
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 RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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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



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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/	DF	Method	Analysis Date / By
					QCL			
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.



POWERTECH (USA) INC.



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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/		Method	Analysis Date / By
					QCL	DF		
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: RL - Analyte reporting limit.

Definitions: 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.

Page 1 of 27



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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

Report RL - Analyte reporting limit.
Definitions: 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

Page 2 of 27



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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 RL - Analyte reporting limit.
Definitions: 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

Page 3 of 27



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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/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 4 of 27



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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 CaCO ₃	180	mg/L		5		1	A2320 B	05/27/08 10:01/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	05/27/08 10:01/mb
Bicarbonate as HCO ₃	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/el-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/el-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ 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/el-c
Silica	4.4	mg/L		0.5		2	E200.7	06/03/08 13:51/el-c
Sodium	254	mg/L	D	2		2	E200.7	06/03/08 13:51/el-c
Sulfate	530	mg/L	D	3		50	E300.0	05/23/08 01:41/jmh
PHYSICAL 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/el-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/06/08 21:12/el-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/el-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/el-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 21:12/el-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:51/el-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 21:12/el-c
Iron	ND	mg/L		0.03		2	E200.7	06/03/08 13:51/el-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 21:12/el-c
Manganese	0.09	mg/L		0.01		2	E200.7	06/03/08 13:51/el-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 21:12/el-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/el-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:51/el-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:29/el-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 21:12/el-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 21:12/el-c

Report RL - Analyte reporting limit.
References: 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.

Page 7 of 15



POWERTECH (USA) INC.



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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/		Method	Analysis Date / By
					QCL	DF		
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
Gross 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: RL - Analyte reporting limit.
Definitions: 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

Page 8 of 15



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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 RL - Analyte reporting limit.
Abbreviations: 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.

Page 9 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-004
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 06/24/08 17:30
Date Received: 06/25/08
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	07/03/08 11:40/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/03/08 11:40/mb
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	07/03/08 11:40/mb
Calcium	52.5	mg/L		0.5		2	E200.7	07/07/08 18:42/eli-c
Chloride	11	mg/L		1		1	E300.0	06/26/08 23:57/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/26/08 23:57/jmh
Magnesium	18.8	mg/L		0.5		2	E200.7	07/07/08 18:42/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:49/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/26/08 23:57/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/26/08 23:57/jmh
Potassium	8.7	mg/L		0.5		2	E200.7	07/07/08 18:42/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	07/07/08 18:42/eli-c
Sodium	250	mg/L	D	2		2	E200.7	07/07/08 18:42/eli-c
Sulfate	442	mg/L		1		20	E300.0	06/26/08 23:07/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1380	umhos/cm		5.0		1	A2510 B	07/01/08 11:09/tb
Oxidation-Reduction Potential	120	mV				1	A2580 B	06/27/08 00:00/jmh
pH	8.14	s.u.		0.01		1	A4500-H B	07/01/08 10:05/tb
Sodium Adsorption Ratio (SAR)	7.5	unitless		0.10		1	Calculation	08/21/08 16:50/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	06/27/08 11:57/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/15/08 17:59/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 17:59/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 18:42/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 17:59/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/07/08 18:42/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 17:59/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	07/07/08 18:42/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 17:59/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 18:42/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:17/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 17:59/eli-c

Report RL - Analyte reporting limit.

Definitions: 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.

Page 10 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-004
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 06/24/08 17:30
Date Received: 06/25/08
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	07/15/08 17:59/eli-c
Uranium	0.0027	mg/L		0.0003		1	E200.8	07/15/08 17:59/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/07/08 18:42/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 18:42/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/10/08 12:30/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:19/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	39.7	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	4.8	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	4.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	11.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	3.3	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Lead 210	0.7	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.8	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	5.2	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/28/08 20:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/28/08 20:05/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	2.9	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.17	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	07/15/08 23:30/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 11 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-004
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 06/24/08 17:30
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/11/08 17:07/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/11/08 17:07/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	2120	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	154	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/17/08 00:51/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	07/17/08 00:51/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 02:42/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 14:22/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 02:42/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 00:51/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:42/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:42/eli-c
Iron	0.12	mg/L		0.03		2	E200.7	07/08/08 02:42/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/17/08 00:51/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	07/08/08 02:42/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/09/08 11:51/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:42/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:42/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/17/08 00:51/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 14:22/eli-c
Strontium	1.0	mg/L		0.1		2	E200.7	07/08/08 02:42/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/17/08 00:51/eli-c
Uranium	0.0027	mg/L		0.0003		10	E200.8	07/17/08 00:51/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 02:42/eli-c
DATA QUALITY								
A/C Balance (± 5)	7.98	%				1	A1030 E	08/21/08 00:00/kl
Anions	13.0	meq/L				1	A1030 E	08/21/08 00:00/kl
Cations	15.3	meq/L				1	A1030 E	08/21/08 00:00/kl
Solids, Total Dissolved Calculated	901	mg/L				1	A1030 E	08/21/08 00:00/kl
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	08/21/08 00:00/kl

Report RL - Analyte reporting limit.
Definitions: 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.

Page 12 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-003
Client Sample ID: DewBurd GW695

Report Date: 10/03/08
Collection Date: 07/14/08 13:42
Date Received: 07/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	174	mg/L		5		1	A2320 B	07/15/08 18:28/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	07/15/08 18:28/mb
Bicarbonate as HCO ₃	212	mg/L		5		1	A2320 B	07/15/08 18:28/mb
Calcium	48.0	mg/L		0.5		1	E200.7	07/21/08 21:24/eli-c
Chloride	12	mg/L		1		1	E300.0	07/16/08 14:40/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/16/08 14:40/jmh
Magnesium	17.8	mg/L		0.5		1	E200.8	07/24/08 04:12/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	07/17/08 16:25/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/16/08 14:40/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/16/08 14:40/jmh
Potassium	12.4	mg/L		0.5		1	E200.7	07/21/08 21:24/eli-c
Silica	1.9	mg/L		0.5		1	E200.7	07/21/08 21:24/eli-c
Sodium	258	mg/L		0.5		1	E200.7	07/21/08 21:24/eli-c
Sulfate	534	mg/L	D	3		50	E300.0	07/16/08 14:24/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1450	umhos/cm		5.0		1	A2510 B	07/17/08 10:25/tb
Oxidation-Reduction Potential	150	mV				1	A2580 B	07/16/08 00:00/kh
pH	7.98	s.u.		0.01		1	A4500-H B	07/16/08 16:03/tb
Sodium Adsorption Ratio (SAR)	8.1	unitless		0.10		1	Calculation	09/29/08 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	950	mg/L		5		1	A2540 C	07/17/08 17:28/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	07/24/08 04:12/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/26/08 00:00/eli-c
Barium	ND	mg/L		0.1		1	E200.8	07/26/08 00:00/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/11/08 15:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/26/08 00:00/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	07/26/08 00:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/26/08 00:00/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/28/08 16:41/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/24/08 04:12/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	07/26/08 00:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/24/08 04:12/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	07/26/08 00:00/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/26/08 00:00/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 16:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/26/08 00:00/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/24/08 04:12/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 7 of 33



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-003
Client Sample ID: DewBurd GW695

Report Date: 10/03/08
Collection Date: 07/14/08 13:42
Date Received: 07/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0028	mg/L		0.0003		1	E200.8	07/24/08 04:12/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/26/08 00:00/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/26/08 00:00/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/27/08 04:22/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 13:47/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	28.2	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Alpha precision (±)	4.2	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Alpha MDC	3.9	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta	7.7	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Lead 210	-2	pCi/L	U			1	E909.0M	07/25/08 11:45/eli-c
Lead 210 precision (±)	5.5	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Lead 210 MDC	9.2	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	08/06/08 15:43/eli-c
Polonium 210 precision (±)	0.49	pCi/L				1	RMO-3008	08/06/08 15:43/eli-c
Radium 226	4.7	pCi/L				1	E903.0	08/12/08 13:16/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	08/12/08 13:16/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/13/08 12:43/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	08/13/08 12:43/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-5	pCi/L	U			1	E909.0M	07/29/08 09:30/eli-c
Lead 210 precision (±)	12.7	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Lead 210 MDC	21.4	pCi/L				1	E909.0M	07/29/08 09:30/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	07/31/08 14:15/eli-c
Polonium 210 precision (±)	0.35	pCi/L				1	RMO-3008	07/31/08 14:15/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	08/06/08 15:36/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/06/08 15:36/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/06/08 15:36/eli-c

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

Page 8 of 33



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-003
Client Sample ID: DewBurd GW695

Report Date: 10/03/08
Collection Date: 07/14/08 13:42
Date Received: 07/15/08
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	08/05/08 12:51/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/05/08 12:51/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1490	pCi/L		100		1	D5072-92	07/16/08 18:45/eli-c
Radon 222 precision (±)	65.0	pCi/L				1	D5072-92	07/16/08 18:45/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/30/08 04:12/eli-c
Arsenic	0.004	mg/L		0.002		10	E200.8	07/30/08 04:12/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/24/08 23:56/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/30/08 04:12/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	07/24/08 23:56/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/30/08 04:12/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/24/08 23:56/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/24/08 23:56/eli-c
Iron	0.16	mg/L		0.03		2	E200.7	07/24/08 23:56/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/30/08 04:12/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	07/24/08 23:56/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/23/08 15:22/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/24/08 23:56/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/24/08 23:56/eli-c
Selenium	0.004	mg/L	D	0.002		10	E200.8	07/30/08 04:12/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/31/08 14:43/eli-c
Strontium	1.0	mg/L		0.1		2	E200.7	07/24/08 23:56/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/30/08 04:12/eli-c
Uranium	0.0031	mg/L		0.0003		10	E200.8	07/31/08 14:43/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/24/08 23:56/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.44	%				1	A1030 E	09/29/08 00:00/jmh
Anions	15.0	meq/L				1	A1030 E	09/29/08 00:00/jmh
Cations	15.4	meq/L				1	A1030 E	09/29/08 00:00/jmh
Solids, Total Dissolved Calculated	991	mg/L				1	A1030 E	09/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	09/29/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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.

Page 9 of 33



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080332-005
Client Sample ID: DewBurd GW695

Report Date: 11/14/08
Collection Date: 08/20/08 14:20
Date Received: 08/21/08
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	08/21/08 15:22/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	08/21/08 15:22/mb
Bicarbonate as HCO3	210	mg/L		5		1	A2320 B	08/21/08 15:22/mb
Calcium	52.7	mg/L		0.5		2	E200.7	09/02/08 17:09/eli-c
Chloride	12	mg/L		1		1	E300.0	08/22/08 23:20/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	08/22/08 23:20/jmh
Magnesium	18.9	mg/L		0.5		2	E200.7	09/02/08 17:09/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	08/21/08 18:37/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	08/22/08 23:20/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	08/22/08 23:20/jmh
Potassium	8.6	mg/L		0.5		2	E200.7	09/02/08 17:09/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	09/02/08 17:09/eli-c
Sodium	258	mg/L	D	2		2	E200.7	09/02/08 17:09/eli-c
Sulfate	466	mg/L	D	3		50	E300.0	08/22/08 22:31/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1650	umhos/cm		5.0		1	A2510 B	08/22/08 12:03/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	08/25/08 00:00/jmh
pH	8.08	s.u.		0.01		1	A4500-H B	08/22/08 14:11/tb
Sodium Adsorption Ratio (SAR)	7.8	unitless		0.10		1	Calculation	11/04/08 09:20/ADM
Solids, Total Dissolved TDS @ 180 C	900	mg/L		5		1	A2540 C	08/25/08 16:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	09/02/08 17:09/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	09/04/08 03:47/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/02/08 17:09/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/02/08 17:09/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/04/08 03:47/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/02/08 17:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/04/08 03:47/eli-c
Iron	ND	mg/L		0.03		2	E200.7	09/02/08 17:09/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/04/08 03:47/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	09/02/08 17:09/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/04/08 03:47/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	09/02/08 17:09/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/02/08 17:09/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	09/01/08 12:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/04/08 17:55/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/04/08 03:47/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level. Page 13 of 27
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: R08080332-005
Client Sample ID: DewBurd GW695

Report Date: 11/14/08
Collection Date: 08/20/08 14:20
Date Received: 08/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0026	mg/L		0.0003		1	E200.8	09/04/08 03:47/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	09/02/08 17:09/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	09/02/08 17:09/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	09/11/08 00:32/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/31/08 16:39/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	09/01/08 11:59/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	21.6	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Alpha MDC	3.9	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Beta	8.5	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Beta precision (±)	3.0	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Gross Beta MDC	4.7	pCi/L				1	E900.0	09/25/08 02:03/eli-c
Lead 210	-1	pCi/L	U			1	E909.0M	09/04/08 07:39/eli-c
Lead 210 precision (±)	6.3	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Lead 210 MDC	10.7	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	09/03/08 19:15/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	09/03/08 19:15/eli-c
Radium 226	3.9	pCi/L				1	E903.0	09/21/08 01:41/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	09/21/08 01:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	09/21/08 12:59/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	09/21/08 12:59/eli-c
Gross Gamma	450	pCi/L		20		1	E901.1	08/29/08 12:32/eli-c
Gross Gamma precision (±)	60	pCi/L				1	E901.1	08/29/08 12:32/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-6	pCi/L	U			1	E909.0M	09/12/08 10:37/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Lead 210 MDC	17.8	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	09/15/08 14:35/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	09/15/08 14:35/eli-c
Radium 226	-0.005	pCi/L	U			1	E903.0	09/17/08 15:43/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	09/17/08 15:43/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	09/17/08 15:43/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 14 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080332-005
Client Sample ID: DewBurd GW695

Report Date: 11/14/08
Collection Date: 08/20/08 14:20
Date Received: 08/21/08
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	09/28/08 13:33/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	09/28/08 13:33/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1950	pCi/L		100		1	D5072-92	08/25/08 17:46/eli-c
Radon 222 precision (±)	107	pCi/L				1	D5072-92	08/25/08 17:46/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	09/04/08 03:54/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/28/08 18:37/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/02/08 19:35/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	09/04/08 03:54/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/02/08 19:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/04/08 03:54/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/02/08 19:35/eli-c
Copper	ND	mg/L		0.01		2	E200.7	09/02/08 19:35/eli-c
Iron	0.16	mg/L		0.03		2	E200.7	09/02/08 19:35/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/04/08 03:54/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	09/02/08 19:35/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	08/29/08 13:59/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	09/02/08 19:35/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/02/08 19:35/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	09/04/08 03:54/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/04/08 18:02/eli-c
Strontium	0.9	mg/L		0.1		2	E200.7	09/02/08 19:35/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	09/04/08 03:54/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	09/04/08 03:54/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	09/02/08 19:35/eli-c
DATA QUALITY								
A/C Balance (± 5)	7.38	%				1	A1030 E	11/04/08 00:00/jmh
Anions	13.5	meq/L				1	A1030 E	11/04/08 00:00/jmh
Cations	15.6	meq/L				1	A1030 E	11/04/08 00:00/jmh
Solids, Total Dissolved Calculated	931	mg/L				1	A1030 E	11/04/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	11/04/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 15 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090356-007
Client Sample ID: DewBurd GW695

Report Date: 11/20/08
Collection Date: 09/23/08 11:00
Date Received: 09/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	196	mg/L		5		1	A2320 B	10/02/08 14:33/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/02/08 14:33/mb
Bicarbonate as HCO3	239	mg/L		5		1	A2320 B	10/02/08 14:33/mb
Calcium	347	mg/L		0.5		2	E200.7	10/10/08 12:15/eli-c
Chloride	15	mg/L		1		1	E300.0	09/25/08 17:56/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	09/25/08 17:56/jmh
Magnesium	113	mg/L		0.5		2	E200.7	10/10/08 12:15/eli-c
Nitrogen, Ammonia as N	0.5	mg/L		0.1		1	A4500-NH3 G	09/30/08 14:21/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/25/08 17:56/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/25/08 17:56/jmh
Potassium	18.6	mg/L		0.5		2	E200.7	10/10/08 12:15/eli-c
Sodium	171	mg/L		2		2	E200.7	10/10/08 12:15/eli-c
Sulfate	1560	mg/L	D	3		50	E300.0	09/25/08 17:40/jmh
Silica	ND	mg/L		0.5		2	E200.7	10/10/08 12:15/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2060	umhos/cm		5.0		1	A2510 B	09/25/08 10:43/tb
Oxidation-Reduction Potential	-97.9	mV				1	A2580 B	09/25/08 00:00/jmh
pH	6.92	s.u.		0.01		1	A4500-H B	09/25/08 11:27/tb
Sodium Adsorption Ratio (SAR)	2.0	unitless		0.10		1	Calculation	11/17/08 14:15/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	09/30/08 13:55/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	10/10/08 12:15/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/02/08 04:51/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/02/08 04:51/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	10/10/08 12:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/02/08 04:51/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/02/08 04:51/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/02/08 04:51/eli-c
Iron	1.26	mg/L		0.03		2	E200.7	10/10/08 12:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/02/08 04:51/eli-c
Manganese	0.84	mg/L		0.01		1	E200.8	10/02/08 04:51/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/02/08 04:51/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/02/08 04:51/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/02/08 04:51/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/02/08 16:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/02/08 04:51/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/02/08 04:51/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 19 of 27



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc.
Project: Edgemont
Lab ID: R08090356-007
Client Sample ID: DewBurd GW695

Report Date: 11/20/08
Collection Date: 09/23/08 11:00
Date Received: 09/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0059	mg/L		0.0003		1	E200.8	10/02/08 04:51/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/02/08 04:51/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/02/08 04:51/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L	D	0.0008		1	E200.8	10/02/08 03:50/eli-c
METALS - SPECIATED								
Selenium-IV	0.001	mg/L		0.001		1	A3114 B	10/02/08 11:49/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/02/08 16:47/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	44.0	pCi/L				1	E900.0	10/30/08 01:42/eli-c
Gross Alpha precision (±)	9.2	pCi/L				1	E900.0	10/30/08 01:42/eli-c
Gross Alpha MDC	10.2	pCi/L				1	E900.0	10/30/08 01:42/eli-c
Gross Beta	16.0	pCi/L				1	E900.0	10/30/08 01:42/eli-c
Gross Beta precision (±)	5.6	pCi/L				1	E900.0	10/30/08 01:42/eli-c
Gross Beta MDC	9.0	pCi/L				1	E900.0	10/30/08 01:42/eli-c
Lead 210	0.1	pCi/L	U			1	E909.0M	10/02/08 10:37/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	10/02/08 10:37/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	10/02/08 10:37/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	10/02/08 14:54/eli-c
Polonium 210 precision (±)	0.84	pCi/L				1	RMO-3008	10/02/08 14:54/eli-c
Radium 226	10.4	pCi/L				1	E903.0	10/21/08 08:28/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	10/21/08 08:28/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	10/27/08 15:37/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	10/27/08 15:37/eli-c
Gross Gamma	960	pCi/L				1	E901.1	10/13/08 15:50/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	10/13/08 15:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2	pCi/L	U			1	E909.0M	10/13/08 10:21/eli-c
Lead 210 precision (±)	5.5	pCi/L				1	E909.0M	10/13/08 10:21/eli-c
Lead 210 MDC	9.2	pCi/L				1	E909.0M	10/13/08 10:21/eli-c
Polonium 210	0.066	pCi/L	U			1	RMO-3008	10/09/08 12:31/eli-c
Polonium 210 precision (±)	0.45	pCi/L				1	RMO-3008	10/09/08 12:31/eli-c
Radium 226	0.9	pCi/L				1	E903.0	10/09/08 09:28/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	10/09/08 09:28/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	10/09/08 09:28/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.

Page 20 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090356-007
Client Sample ID: DewBurd GW695

Report Date: 11/20/08
Collection Date: 09/23/08 11:00
Date Received: 09/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.5	pCi/L		0.2		1	E907.0	09/30/08 15:00/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	09/30/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	357	pCi/L		100		1	D5072-92	09/26/08 15:10/eli-c
Radon 222 precision (±)	62.3	pCi/L				1	D5072-92	09/26/08 15:10/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	10/03/08 17:24/eli-c
Arsenic	0.016	mg/L		0.001		1	E200.8	10/03/08 17:24/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/03/08 17:24/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	10/03/08 17:24/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	10/10/08 22:25/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/03/08 17:24/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/03/08 17:24/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/03/08 17:24/eli-c
Iron	17.9	mg/L		0.03		2	E200.7	10/10/08 22:25/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/03/08 17:24/eli-c
Manganese	1.18	mg/L		0.01		1	E200.8	10/03/08 17:24/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	09/29/08 12:36/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	10/03/08 17:24/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/03/08 17:24/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	10/03/08 17:24/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/03/08 17:24/eli-c
Strontium	6.5	mg/L		0.1		1	E200.8	10/03/08 17:24/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	10/03/08 17:24/eli-c
Uranium	0.0085	mg/L		0.0003		1	E200.8	10/03/08 17:24/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/03/08 17:24/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.03	%				1	A1030 E	11/17/08 00:00/jmh
Anions	36.8	meq/L				1	A1030 E	11/17/08 00:00/jmh
Cations	34.6	meq/L				1	A1030 E	11/17/08 00:00/jmh
Solids, Total Dissolved Calculated	2340	mg/L				1	A1030 E	11/17/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.973					1	A1030 E	11/17/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 21 of 27



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-012
Client Sample ID: DewBurd GW695

Report Date: 12/29/08
Collection Date: 10/21/08 09:10
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	172	mg/L		5		1	A2320 B	10/29/08 11:22/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	10/29/08 11:22/mb
Bicarbonate as HCO ₃	210	mg/L		5		1	A2320 B	10/29/08 11:22/mb
Calcium	51.4	mg/L		0.5		2	E200.7	11/05/08 19:08/eli-c
Chloride	13	mg/L		1		1	E300.0	10/23/08 06:05/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	10/23/08 06:05/jmh
Magnesium	18.5	mg/L		0.5		2	E200.7	11/05/08 19:08/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	10/23/08 18:09/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/23/08 06:05/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	10/23/08 06:05/jmh
Potassium	8.5	mg/L		0.5		2	E200.7	11/05/08 19:08/eli-c
Sodium	246	mg/L	D	2		2	E200.7	11/05/08 19:08/eli-c
Sulfate	478	mg/L	D	3		50	E300.0	10/23/08 05:16/jmh
Silica	8.8	mg/L		0.2		2	E200.7	11/05/08 19:08/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1440	umhos/cm		5.0		1	A2510 B	10/28/08 17:30/tb
Oxidation-Reduction Potential	230	mV				1	A2580 B	10/27/08 19:00/jmh
pH	8.07	s.u.		0.01		1	A4500-H B	10/28/08 13:54/tb
Sodium Adsorption Ratio (SAR)	7.5	unitless		0.10		1	Calculation	12/10/08 17:07/ADM
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		5		1	A2540 C	10/24/08 15:49/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	11/05/08 19:08/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	11/05/08 16:04/eli-c
Barium	ND	mg/L		0.1		2	E200.7	11/05/08 19:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 19:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/05/08 16:04/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	11/05/08 19:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/05/08 16:04/eli-c
Iron	ND	mg/L		0.03		2	E200.7	11/05/08 19:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/05/08 16:04/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	11/05/08 19:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/05/08 16:04/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	11/05/08 19:08/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	11/05/08 19:08/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/31/08 10:13/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/05/08 16:04/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/05/08 16:04/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 34 of 42



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: R08100295-012
Client Sample ID: DewBurd GW695

Report Date: 12/29/08
Collection Date: 10/21/08 09:10
Date Received: 10/22/08
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	11/06/08 17:20/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	11/05/08 19:08/eli-c
Zinc	0.02	mg/L		0.01		2	E200.7	11/05/08 19:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/06/08 16:26/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/30/08 15:11/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/08 10:28/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	27.8	pCi/L				1	E900.0	11/24/08 07:45/eli-c
Gross Alpha precision (±)	3.9	pCi/L				1	E900.0	11/24/08 07:45/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	11/24/08 07:45/eli-c
Gross Beta	11.6	pCi/L				1	E900.0	11/24/08 07:45/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	11/24/08 07:45/eli-c
Gross Beta MDC	4.1	pCi/L				1	E900.0	11/24/08 07:45/eli-c
Lead 210	-0.4	pCi/L	U			1	E909.0M	11/06/08 09:13/eli-c
Lead 210 precision (±)	3.7	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Lead 210 MDC	6.1	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	11/19/08 09:23/eli-c
Polonium 210 precision (±)	0.25	pCi/L				1	RMO-3008	11/19/08 09:23/eli-c
Radium 226	4.0	pCi/L				1	E903.0	11/11/08 02:30/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	11/11/08 02:30/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	11/20/08 13:36/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	11/20/08 13:36/eli-c
Gross Gamma	1100	pCi/L				1	E901.1	10/27/08 11:00/eli-c
Gross Gamma precision (±)	250	pCi/L				1	E901.1	10/27/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1	pCi/L	U			1	E909.0M	11/11/08 10:15/eli-c
Lead 210 precision (±)	4.0	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Lead 210 MDC	6.8	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	11/13/08 12:40/eli-c
Polonium 210 precision (±)	0.22	pCi/L				1	RMO-3008	11/13/08 12:40/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	11/11/08 13:02/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	11/11/08 13:02/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	11/11/08 13:02/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 35 of 42



POWERTECH (USA) INC.



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: R08100295-012
Client Sample ID: DewBurd GW695

Report Date: 12/29/08
Collection Date: 10/21/08 09:10
Date Received: 10/22/08
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	11/07/08 14:30/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	11/07/08 14:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1860	pCi/L		100		1	D5072-92	10/24/08 12:24/eli-c
Radon 222 precision (±)	79.1	pCi/L				1	D5072-92	10/24/08 12:24/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	11/05/08 18:13/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	11/05/08 18:13/eli-c
Barium	ND	mg/L		0.1		2	E200.7	11/05/08 19:53/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	11/05/08 18:13/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 19:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/05/08 18:13/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	11/05/08 19:53/eli-c
Copper	ND	mg/L		0.01		2	E200.7	11/05/08 19:53/eli-c
Iron	0.16	mg/L		0.03		2	E200.7	11/05/08 19:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/05/08 18:13/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	11/05/08 19:53/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	10/27/08 12:48/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	11/05/08 19:53/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	11/05/08 19:53/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	11/05/08 18:13/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/05/08 18:13/eli-c
Strontium	0.9	mg/L		0.1		2	E200.7	11/05/08 19:53/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	11/05/08 18:13/eli-c
Uranium	0.0030	mg/L		0.0003		1	E200.8	11/06/08 17:25/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	11/05/08 19:53/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.33	%				1	A1030 E	12/10/08 00:00/jmh
Anions	13.8	meq/L				1	A1030 E	12/10/08 00:00/jmh
Cations	15.0	meq/L				1	A1030 E	12/10/08 00:00/jmh
Solids, Total Dissolved Calculated	942	mg/L				1	A1030 E	12/10/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.15					1	A1030 E	12/10/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 36 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-009
Client Sample ID: DewBurd GW695

Report Date: 01/29/09
Collection Date: 11/18/08 13:25
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	172	mg/L		5		1	A2320 B	11/25/08 11:44/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	11/25/08 11:44/mb
Bicarbonate as HCO ₃	210	mg/L		5		1	A2320 B	11/25/08 11:44/mb
Calcium	52.7	mg/L		0.5		2	E200.7	12/10/08 17:53/eli-c
Chloride	13	mg/L		1		1	E300.0	11/20/08 21:53/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/20/08 21:53/jmh
Magnesium	19.0	mg/L		0.5		2	E200.7	12/10/08 17:53/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	11/25/08 17:27/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/20/08 21:53/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/20/08 21:53/jmh
Potassium	8.7	mg/L		0.5		2	E200.7	12/10/08 17:53/eli-c
Sodium	253	mg/L	D			2	E200.7	12/10/08 17:53/eli-c
Sulfate	481	mg/L	D	3		50	E300.0	11/21/08 06:38/jmh
Silica	8.9	mg/L		0.2		2	E200.7	12/10/08 17:53/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1290	umhos/cm		5.0		1	A2510 B	11/25/08 15:39/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	11/25/08 16:00/jmh
pH	8.18	s.u.		0.01		1	A4500-H B	11/25/08 14:55/tb
Sodium Adsorption Ratio (SAR)	7.6	unitless		0.10		1	Calculation	01/29/09 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	11/21/08 11:35/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/03/08 21:08/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/03/08 21:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/03/08 21:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/10/08 17:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/03/08 21:08/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/03/08 21:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/03/08 21:08/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/10/08 17:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/03/08 21:08/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	12/03/08 21:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/03/08 21:08/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/03/08 21:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/03/08 21:08/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/05/08 10:05/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/08/08 17:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/03/08 21:08/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 25 of 42



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: R08110211-009
Client Sample ID: DewBurd GW695

Report Date: 01/29/09
Collection Date: 11/18/08 13:25
Date Received: 11/19/08
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	12/03/08 21:08/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/03/08 21:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/03/08 21:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	12/11/08 02:22/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/04/08 15:55/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/05/08 11:31/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	19.2	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Alpha MDC	4.4	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Beta	9.7	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Beta precision (±)	3.5	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Beta MDC	5.6	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Lead 210	0.3	pCi/L	U			1	E909.0M	12/11/08 10:00/eli-c
Lead 210 precision (±)	2.6	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Lead 210 MDC	4.4	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	12/11/08 10:19/eli-c
Polonium 210 precision (±)	0.19	pCi/L				1	RMO-3008	12/11/08 10:19/eli-c
Radium 226	4.8	pCi/L				1	E903.0	12/16/08 23:17/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	12/16/08 23:17/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	12/16/08 23:17/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	12/12/08 16:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	12/12/08 16:26/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	12/03/08 15:07/eli-c
Gross Gamma precision (±)	190	pCi/L				1	E901.1	12/03/08 15:07/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.9	pCi/L	U			1	E909.0M	12/18/08 07:13/eli-c
Lead 210 precision (±)	5.4	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Polonium 210	0.058	pCi/L	U			1	RMO-3008	12/30/08 08:57/eli-c
Polonium 210 precision (±)	0.28	pCi/L				1	RMO-3008	12/30/08 08:57/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	12/18/08 17:20/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	12/18/08 17:20/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 26 of 42



POWERTECH (USA) INC.



ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-009
Client Sample ID: DewBurd GW695

Report Date: 01/29/09
Collection Date: 11/18/08 13:25
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.4	pCi/L				1	E903.0	12/18/08 17:20/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	12/11/08 15:00/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	12/11/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	2020	pCi/L		100		1	D5072-92	11/23/08 09:20/eli-c
Radon 222 precision (±)	102	pCi/L				1	D5072-92	11/23/08 09:20/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/05/08 07:53/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	12/05/08 07:53/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/05/08 07:53/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	12/05/08 07:53/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/10/08 23:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/05/08 07:53/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/05/08 07:53/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/05/08 07:53/eli-c
Iron	0.16	mg/L		0.03		2	E200.7	12/10/08 23:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/05/08 07:53/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	12/05/08 07:53/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	11/24/08 09:09/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	12/05/08 07:53/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/05/08 07:53/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	12/05/08 07:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/08/08 14:36/eli-c
Strontium	0.9	mg/L		0.1		1	E200.8	12/05/08 07:53/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/05/08 07:53/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	12/05/08 07:53/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/05/08 07:53/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.57	%				1	A1030 E	01/29/09 00:00/jmh
Anions	13.8	meq/L				1	A1030 E	01/29/09 00:00/jmh
Cations	15.4	meq/L				1	A1030 E	01/29/09 00:00/jmh
Solids, Total Dissolved Calculated	954	mg/L				1	A1030 E	01/29/09 00:00/jmh
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	01/29/09 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

Page 27 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-010
Client Sample ID: DewBurd GW695

Report Date: 01/27/09
Collection Date: 12/17/08 15:10
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	172	mg/L		5		1	A2320 B	12/23/08 11:13/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	12/23/08 11:13/mb
Bicarbonate as HCO ₃	210	mg/L		5		1	A2320 B	12/23/08 11:13/mb
Calcium	50.9	mg/L		0.5		2	E200.7	01/05/09 13:36/eli-c
Chloride	12	mg/L		1		1	E300.0	12/19/08 05:08/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	12/19/08 05:08/jmh
Magnesium	18.4	mg/L		0.5		2	E200.7	01/05/09 13:36/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	12/26/08 15:06/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	12/19/08 05:08/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	12/19/08 05:08/jmh
Potassium	8.6	mg/L		0.5		2	E200.7	01/05/09 13:36/eli-c
Sodium	247	mg/L	D	2		2	E200.7	01/05/09 13:36/eli-c
Sulfate	483	mg/L	D	3		50	E300.0	12/19/08 04:52/jmh
Silica	8.8	mg/L		0.2		2	E200.7	01/05/09 13:36/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1320	umhos/cm		5.0		1	A2510 B	12/19/08 09:16/tb
Oxidation-Reduction Potential	250	mV				1	A2560 B	12/23/08 14:30/jmh
pH	7.93	s.u.		0.01		1	A4500-H B	12/19/08 10:39/tb
Sodium Adsorption Ratio (SAR)	7.5	unitless		0.10		1	Calculation	01/23/09 16:16/ADM
Solids, Total Dissolved TDS @ 180 C	890	mg/L		5		1	A2540 C	12/22/08 12:14/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/26/08 19:32/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/26/08 19:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/26/08 19:32/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 13:36/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/26/08 19:32/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/26/08 19:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/26/08 19:32/eli-c
Iron	ND	mg/L		0.03		2	E200.7	01/05/09 13:36/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/26/08 19:32/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	12/26/08 19:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/26/08 19:32/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/26/08 19:32/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/26/08 19:32/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	01/09/09 16:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/26/08 19:32/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/26/08 19:32/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 28 of 39



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: R08120255-010
Client Sample ID: DewBurd GW695

Report Date: 01/27/09
Collection Date: 12/17/08 15:10
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0026	mg/L		0.0003		1	E200.8	12/26/08 19:32/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/26/08 19:32/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/26/08 19:32/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L	D	0.0009		1	E200.8	01/01/09 22:26/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/08/09 15:36/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	01/09/09 16:57/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	26.8	pCi/L				1	E900.0	01/14/09 01:15/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	01/14/09 01:15/eli-c
Gross Alpha MDC	3.4	pCi/L				1	E900.0	01/14/09 01:15/eli-c
Gross Beta	13.0	pCi/L				1	E900.0	01/14/09 01:15/eli-c
Gross Beta precision (±)	3.4	pCi/L				1	E900.0	01/14/09 01:15/eli-c
Gross Beta MDC	5.4	pCi/L				1	E900.0	01/14/09 01:15/eli-c
Lead 210	3.4	pCi/L	U			1	E909.0M	12/30/08 08:13/eli-c
Lead 210 precision (±)	4.8	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Lead 210 MDC	8.0	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	01/09/09 13:47/eli-c
Polonium 210 precision (±)	0.13	pCi/L				1	RMO-3008	01/09/09 13:47/eli-c
Radium 226	4.8	pCi/L				1	E903.0	01/05/09 14:13/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	01/05/09 14:13/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	01/05/09 14:13/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	01/08/09 15:38/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	01/08/09 15:38/eli-c
Gross Gamma	850	pCi/L				1	E901.1	12/29/08 12:00/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	12/29/08 12:00/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	5.9	pCi/L	U			1	E909.0M	01/06/09 10:06/eli-c
Lead 210 precision (±)	6.3	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Lead 210 MDC	10.4	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	01/15/09 14:33/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	01/15/09 14:33/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	01/21/09 23:27/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 29 of 39



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-010
Client Sample ID: DewBurd GW695

Report Date: 01/27/09
Collection Date: 12/17/08 15:10
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	01/21/09 23:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	01/21/09 23:27/eli-c
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	01/07/09 13:33/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	01/07/09 13:33/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	1880	pCi/L		100		1	D5072-92	12/19/08 15:40/eli-c
Radon 222 precision (±)	68.3	pCi/L				1	D5072-92	12/19/08 15:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/30/08 02:33/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/30/08 02:33/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/30/08 02:33/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	01/01/09 23:12/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 17:31/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/30/08 02:33/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/30/08 02:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/30/08 02:33/eli-c
Iron	0.17	mg/L		0.03		2	E200.7	01/05/09 17:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/30/08 02:33/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	12/30/08 02:33/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	12/26/08 15:35/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	01/01/09 23:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/30/08 02:33/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	12/30/08 02:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/01/09 23:12/eli-c
Strontium	0.9	mg/L		0.1		1	E200.8	12/30/08 02:33/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/30/08 02:33/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	12/30/08 02:33/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/12/09 18:04/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.06	%				1	A1030 E	01/23/09 00:00/jmh
Anions	13.8	meq/L				1	A1030 E	01/23/09 00:00/jmh
Cations	15.0	meq/L				1	A1030 E	01/23/09 00:00/jmh
Solids, Total Dissolved Calculated	947	mg/L				1	A1030 E	01/23/09 00:00/jmh
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	01/23/09 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

Page 30 of 39



POWERTECH (USA) INC.



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: R09010301-005
Client Sample ID: DewBurd GW695

Report Date: 03/17/09
Collection Date: 01/20/09 12:15
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	174	mg/L		5		1	A2320 B	01/26/09 14:19/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	01/26/09 14:19/mb
Bicarbonate as HCO ₃	212	mg/L		5		1	A2320 B	01/26/09 14:19/mb
Calcium	49.8	mg/L		0.5		2	E200.7	01/30/09 20:19/eli-c
Chloride	12	mg/L		1		1	E300.0	01/22/09 01:28/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	01/22/09 01:28/jmh
Magnesium	18.3	mg/L		0.5		2	E200.7	01/30/09 20:19/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	01/21/09 17:14/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	01/22/09 01:28/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	01/22/09 01:28/jmh
Potassium	9.5	mg/L		0.5		2	E200.7	01/30/09 20:19/eli-c
Sodium	247	mg/L		0.5		2	E200.7	01/30/09 20:19/eli-c
Sulfate	500	mg/L	D	3		50	E300.0	01/22/09 01:12/jmh
Silica	7.9	mg/L		0.2		2	E200.7	01/30/09 20:19/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1350	umhos/cm		5.0		1	A2510 B	01/22/09 14:52/tb
Oxidation-Reduction Potential	260	mV				1	A2580 B	01/27/09 11:00/jmh
pH	7.81	s.u.		0.01		1	A4500-H B	01/22/09 10:07/tb
Sodium Adsorption Ratio (SAR)	7.6	unitless		0.10		1	Calculation	03/16/09 16:28/ADM
Solids, Total Dissolved TDS @ 180 C	910	mg/L		5		1	A2540 C	01/26/09 09:18/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/03/09 17:25/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	01/30/09 18:30/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/30/09 18:30/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/30/09 20:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/30/09 18:30/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/30/09 18:30/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/30/09 18:30/eli-c
Iron	ND	mg/L		0.03		2	E200.7	01/30/09 20:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/30/09 18:30/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	01/30/09 18:30/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/03/09 17:25/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/30/09 18:30/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/30/09 18:30/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/09 10:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/30/09 18:30/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/30/09 18:30/eli-c
Uranium	0.0031	mg/L		0.0003		1	E200.8	01/30/09 18:30/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 13 of 42



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-005
Client Sample ID: DewBurd GW695

Report Date: 03/17/09
Collection Date: 01/20/09 12:15
Date Received: 01/21/09
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	01/30/09 18:30/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/30/09 18:30/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/18/09 23:27/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/24/09 16:19/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/09 11:07/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	35.8	pCi/L				1	E900.0	02/06/09 03:24/eli-c
Gross Alpha precision (±)	4.3	pCi/L				1	E900.0	02/06/09 03:24/eli-c
Gross Alpha MDC	3.6	pCi/L				1	E900.0	02/06/09 03:24/eli-c
Gross Beta	12.1	pCi/L				1	E900.0	02/06/09 03:24/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	02/06/09 03:24/eli-c
Gross Beta MDC	4.4	pCi/L				1	E900.0	02/06/09 03:24/eli-c
Lead 210	1.5	pCi/L	U			1	E909.0M	02/03/09 10:43/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Lead 210 MDC	4.2	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Polonium 210	0.051	pCi/L	U			1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 MDC	0.74	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 precision (±)	0.33	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Radium 226	4.5	pCi/L				1	E903.0	02/05/09 12:53/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	02/05/09 12:53/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	02/06/09 08:45/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	02/06/09 08:45/eli-c
Gross Gamma	0.0	pCi/L	U			1	E901.1	02/04/09 14:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	02/04/09 14:00/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	6.6	pCi/L	U			1	E909.0M	02/12/09 09:35/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	02/12/09 09:35/eli-c
Lead 210 MDC	8.5	pCi/L				1	E909.0M	02/12/09 09:35/eli-c
Polonium 210	0.13	pCi/L	U			1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 MDC	0.51	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	02/18/09 13:43/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	02/18/09 13:43/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

Page 14 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-005
Client Sample ID: DewBurd GW695

Report Date: 03/17/09
Collection Date: 01/20/09 12:15
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.5	pCi/L				1	E903.0	02/18/09 13:43/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	03/03/09 16:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/03/09 16:30/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	1840	pCi/L		100		1	D5072-92	01/23/09 14:10/eli-c
Radon 222 precision (±)	78.9	pCi/L				1	D5072-92	01/23/09 14:10/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	01/30/09 20:32/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	01/30/09 20:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/30/09 20:32/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	01/30/09 20:32/eli-c
Boron	ND	mg/L		0.1		2	E200.7	02/05/09 19:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/30/09 20:32/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/30/09 20:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/30/09 20:32/eli-c
Iron	0.13	mg/L	D	0.04		2	E200.7	02/05/09 19:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/30/09 20:32/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	01/30/09 20:32/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	01/26/09 10:31/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	01/30/09 20:32/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/30/09 20:32/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/04/09 17:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/30/09 20:32/eli-c
Strontium	1.0	mg/L		0.1		1	E200.8	01/30/09 20:32/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	01/30/09 20:32/eli-c
Uranium	0.0031	mg/L		0.0003		1	E200.8	01/30/09 20:32/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/30/09 20:32/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.54	%				1	A1030 E	03/16/09 00:00/kl
Anions	14.3	meq/L				1	A1030 E	03/16/09 00:00/kl
Cations	15.0	meq/L				1	A1030 E	03/16/09 00:00/kl
Solids, Total Dissolved Calculated	962	mg/L				1	A1030 E	03/16/09 00:00/kl
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	03/16/09 00:00/kl

Report RL - Analyte reporting limit.
Definitions: 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.

Page 15 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-013
Client Sample ID: DewBurd GW695

Report Date: 04/14/09
Collection Date: 02/24/09 16:56
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	178	mg/L		5		1	A2320 B	03/03/09 14:53/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/03/09 14:53/mb
Bicarbonate as HCO3	217	mg/L		5		1	A2320 B	03/03/09 14:53/mb
Calcium	50	mg/L	D	6		5	E200.7	03/06/09 23:42/eli-c
Chloride	12	mg/L		1		1	E300.0	02/26/09 09:08/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	02/26/09 09:08/jmh
Magnesium	17.6	mg/L		0.5		5	E200.7	03/06/09 23:42/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	02/27/09 15:45/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/26/09 09:08/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/26/09 09:08/jmh
Potassium	9.8	mg/L		0.5		5	E200.7	03/06/09 23:42/eli-c
Sodium	225	mg/L		0.5		5	E200.7	03/06/09 23:42/eli-c
Sulfate	494	mg/L	D	3		50	E300.0	02/26/09 08:52/jmh
Silica	7.6	mg/L		0.2		5	E200.7	03/06/09 23:42/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1350	umhos/cm		5.0		1	A2510 B	02/27/09 13:11/tb
Oxidation-Reduction Potential	140	mV				1	A2580 B	03/02/09 11:00/jmh
pH	7.86	s.u.		0.01		1	A4500-H B	02/27/09 11:12/tb
Sodium Adsorption Ratio (SAR)	7.0	unitless		0.10		1	Calculation	04/07/09 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	910	mg/L		5		1	A2540 C	03/02/09 10:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	03/04/09 21:47/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	03/04/09 21:47/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/04/09 21:47/eli-c
Boron	ND	mg/L		0.1		5	E200.7	03/06/09 23:42/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/04/09 21:47/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/04/09 21:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/04/09 21:47/eli-c
Iron	ND	mg/L		0.03		5	E200.7	03/06/09 23:42/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/04/09 21:47/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	03/04/09 21:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	03/04/09 21:47/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	03/04/09 21:47/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/04/09 21:47/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	03/09/09 11:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/04/09 21:47/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	03/04/09 21:47/eli-c
Uranium	0.0028	mg/L		0.0003		1	E200.8	03/04/09 21:47/eli-c

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Page 46 of 57

Definitions: 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: R09020293-013
Client Sample ID: DewBurd GW695

Report Date: 04/14/09
Collection Date: 02/24/09 16:56
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	03/04/09 21:47/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/04/09 21:47/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/10/09 04:18/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/06/09 14:30/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/09/09 13:39/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.7	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Gross Alpha precision (±)	4.1	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Gross Alpha MDC	4.7	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Gross Beta	12.7	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Gross Beta precision (±)	3.6	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Gross Beta MDC	5.7	pCi/L				1	E900.0	03/12/09 11:11/eli-ca
Lead 210	0.9	pCi/L	U			1	E909.0M	03/16/09 09:10/eli-c
Lead 210 precision (±)	1.6	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Lead 210 MDC	2.7	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Polonium 210	0.16	pCi/L	U			1	E912.0	03/11/09 12:08/eli-c
Polonium 210 MDC	0.74	pCi/L				1	E912.0	03/11/09 12:08/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	E912.0	03/11/09 12:08/eli-c
Radium 226	4.7	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Thorium 230	-0.02	pCi/L	U			1	E907.0	03/13/09 12:03/eli-c
Thorium 230 MDC	0.2	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Gross Gamma	1200	pCi/L				1	E901.1	03/06/09 09:10/eli-c
Gross Gamma precision (±)	180	pCi/L				1	E901.1	03/06/09 09:10/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	0.1	pCi/L	U			1	E909.0M	03/11/09 10:11/eli-c
Lead 210 precision (±)	3.4	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Lead 210 MDC	5.7	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Polonium 210	0.25	pCi/L	U			1	E912.0	03/23/09 07:21/eli-c
Polonium 210 precision (±)	0.48	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Polonium 210 MDC	0.83	pCi/L				1	E912.0	03/23/09 07:21/eli-c

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

Page 47 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-013
Client Sample ID: DewBurd GW695

Report Date: 04/14/09
Collection Date: 02/24/09 16:56
Date Received: 02/25/09
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	03/17/09 14:53/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/17/09 14:53/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	03/17/09 14:53/eli-c
Thorium 230	0.02	pCi/L	U			1	E907.0	03/14/09 15:06/eli-c
Thorium 230 MDC	0.3	pCi/L				1	E907.0	03/14/09 15:06/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/14/09 15:06/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	1600	pCi/L		100		1	D5072-92	02/28/09 09:50/eli-c
Radon 222 precision (±)	83.2	pCi/L				1	D5072-92	02/28/09 09:50/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	03/10/09 06:02/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	03/10/09 06:02/eli-c
Barium	ND	mg/L		0.1		5	E200.7	03/06/09 23:47/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	03/11/09 06:23/eli-c
Boron	ND	mg/L	D	0.2		5	E200.7	03/10/09 19:52/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/10/09 06:02/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/10/09 06:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/10/09 06:02/eli-c
Iron	0.23	mg/L		0.03		1	E200.8	03/10/09 06:02/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/10/09 06:02/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	03/06/09 04:07/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	02/27/09 16:24/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	03/11/09 06:23/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/10/09 06:02/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	03/10/09 06:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/10/09 06:02/eli-c
Strontium	0.9	mg/L		0.1		1	E200.8	03/10/09 06:02/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	03/10/09 06:02/eli-c
Uranium	0.0027	mg/L		0.0003		1	E200.8	03/10/09 06:02/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	03/10/09 06:02/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.610	%				1	A1030 E	04/14/09 00:00/ADM
Anions	14.2	meq/L				1	A1030 E	04/14/09 00:00/ADM
Cations	14.0	meq/L				1	A1030 E	04/14/09 00:00/ADM
Solids, Total Dissolved Calculated	937	mg/L				1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
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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.

Page 48 of 57



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-013
Client Sample ID: DewBurd GW695

Report Date: 04/14/09
Collection Date: 02/24/09 16:56
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
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Page 49 of 57



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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/		Method	Analysis Date / By
					QCL	DF		
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/el-c
Chloride	12	mg/L		1		1	E300.0	03/31/08 21:18/fmh
Fluoride	0.2	mg/L		0.1		1	E300.0	03/31/08 21:18/fmh
Magnesium	125	mg/L		0.5		2	E200.7	04/11/08 12:44/el-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:28/fmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/31/08 21:18/fmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/31/08 21:18/fmh
Potassium	14.6	mg/L		0.5		2	E200.7	04/11/08 12:44/el-c
Silica	9.5	mg/L		0.5		2	E200.7	04/11/08 12:44/el-c
Sodium	84.6	mg/L		0.5		2	E200.7	04/11/08 12:44/el-c
Sulfate	1300	mg/L	D	3		50	E300.0	03/31/08 21:03/fmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2390	umhos/cm		5.0		1	A2510 B	04/01/08 11:44/fmh
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/04/08 00:00/fmh
pH	6.91	s.u.		0.01		1	A4500-H B	04/01/08 11:17/fmh
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/el-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/16/08 00:17/el-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 12:44/el-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 12:44/el-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 00:17/el-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 12:44/el-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 00:17/el-c
Iron	1.56	mg/L		0.03		2	E200.7	04/11/08 12:44/el-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 00:17/el-c
Manganese	2.18	mg/L		0.01		2	E200.7	04/11/08 12:44/el-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 00:17/el-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 12:44/el-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 00:17/el-c
Selenium	0.001	mg/L		0.001		1	A3114 B	04/07/08 12:15/el-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 03:56/el-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/15/08 03:56/el-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 4 of 27



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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/el-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 12:44/el-c
Zinc	0.01	mg/L		0.01		2	E200.7	04/11/08 12:44/el-c
METALS - SUSPENDED								
Uranium	0.0024	mg/L		0.0003		1	E200.8	04/15/08 22:22/el-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 09:38/el-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	04/07/08 15:12/el-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1750	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Alpha precision (±)	41.2	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Alpha MDC	8.4	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Beta	657	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Beta precision (±)	13.0	pCi/L				1	E900.0	04/12/08 22:49/el-c
Gross Beta MDC	9.3	pCi/L				1	E900.0	04/12/08 22:49/el-c
Lead 210	-14	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/el-c
Lead 210 precision (±)	3.1	pCi/L				1	E909.0M	04/08/08 08:15/el-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	04/03/08 14:30/el-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	04/03/08 14:30/el-c
Radium 226	387	pCi/L				1	E903.0	04/20/08 01:21/el-c
Radium 226 precision (±)	13.8	pCi/L				1	E903.0	04/20/08 01:21/el-c
Radium 226 MDC	1.0	pCi/L				1	E903.0	04/20/08 01:21/el-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/07/08 14:30/el-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/07/08 14:30/el-c
Gross Gamma	790	pCi/L		20		1	E901.1	04/04/08 16:45/el-c
Gross Gamma precision (±)	49	pCi/L				1	E901.1	04/04/08 16:45/el-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 09:00/el-c
Lead 210 precision (±)	0.7	pCi/L				1	E909.0M	04/10/08 09:00/el-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	04/07/08 17:00/el-c
Polonium 210 precision (±)	0.74	pCi/L				1	RMO-3008	04/07/08 17:00/el-c
Radium 226	15.3	pCi/L				1	E903.0	04/22/08 12:16/el-c
Radium 226 precision (±)	1.2	pCi/L				1	E903.0	04/22/08 12:16/el-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	04/22/08 12:16/el-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	04/09/08 15:00/el-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 5 of 27



POWERTECH (USA) INC.



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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 Deflations: 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.

Page 6 of 27



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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/		Method	Analysis Date / By
					QCL	DF		
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/e/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/e/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/e/c
Silica	9.5	mg/L		0.5		2	E200.7	04/11/08 12:51/e/c
Sodium	83.7	mg/L		0.5		2	E200.7	04/11/08 12:51/e/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/e/c
Arsenic	ND	mg/L		0.001		1	E200.8	04/16/08 01:52/e/c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 12:51/e/c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 12:51/e/c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 01:52/e/c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 12:51/e/c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 01:52/e/c
Iron	1.58	mg/L		0.03		2	E200.7	04/11/08 12:51/e/c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 01:52/e/c
Manganese	2.22	mg/L		0.01		2	E200.7	04/11/08 12:51/e/c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 01:52/e/c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 12:51/e/c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 01:52/e/c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:17/e/c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 04:03/e/c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 01:52/e/c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 7 of 27



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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	859	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 RL - Analyte reporting limit.
Definitions: 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

Page 8 of 27



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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

Report RL - Analyte reporting limit.
Definitions: 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.

Page 9 of 27



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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 CaCO ₃	120	mg/L		5		1	A2320 B	04/25/08 15:41/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	04/25/08 15:41/mb
Bicarbonate as HCO ₃	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/lb
Oxidation-Reduction Potential	110	mV				1	A2580 B	04/24/08 00:00/lb
pH	7.15	s.u.		0.01		1	A4500-H B	04/28/08 10:48/lb
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 RL - Analyte reporting limit.
Definitions: 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.

Page 13 of 27



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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
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

Report RL - Analyte reporting limit.
Definitions: 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

Page 14 of 27



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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

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 15 of 27



POWERTECH (USA) INC.



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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/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.05					1	A1030 E	06/18/08 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
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Page 16 of 27



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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 CaCO ₃	114	mg/L		5		1	A2320 B	06/02/08 11:18/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	06/02/08 11:18/mb
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.
Definitions: 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.

Page 1 of 18



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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

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

Page 2 of 18



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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/		DF	Method	Analysis Date / By
					QCL				
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

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 3 of 18



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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 CaCO ₃	118	mg/L		5		1	A2320 B	06/02/08 11:23/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	06/02/08 11:23/mb
Bicarbonate as HCO ₃	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-NH ₃ 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 RL - Analyte reporting limit.
Definitions: 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.

Page 4 of 18



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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	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
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

Report RL - Analyte reporting limit.
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Page 5 of 18



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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/	DF	Method	Analysis Date / By
					QCL			
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

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Page 6 of 18



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-001
Client Sample ID: DewBurd GW698

Report Date: 08/21/08
Collection Date: 06/24/08 11:55
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	114	mg/L		5		1	A2320 B	07/03/08 11:29/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	07/03/08 11:29/mb
Bicarbonate as HCO ₃	139	mg/L		5		1	A2320 B	07/03/08 11:29/mb
Calcium	393	mg/L		0.5		2	E200.7	07/07/08 18:09/eli-c
Chloride	9	mg/L		1		1	E300.0	06/26/08 21:12/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	06/26/08 21:12/jmh
Magnesium	141	mg/L		0.5		2	E200.7	07/07/08 18:09/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH ₃ G	06/25/08 15:44/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/26/08 21:12/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/26/08 21:12/jmh
Potassium	15.9	mg/L		0.5		2	E200.7	07/07/08 18:09/eli-c
Silica	5.5	mg/L		0.5		2	E200.7	07/07/08 18:09/eli-c
Sodium	89	mg/L	D	2		2	E200.7	07/07/08 18:09/eli-c
Sulfate	1470	mg/L		1		20	E300.0	06/26/08 20:56/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2530	umhos/cm		5.0		1	A2510 B	07/01/08 11:07/tb
Oxidation-Reduction Potential	94	mV				1	A2580 B	06/27/08 00:00/jmh
pH	7.09	s.u.		0.01		1	A4500-H B	07/01/08 10:03/tb
Sodium Adsorption Ratio (SAR)	0.98	unitless		0.10		1	Calculation	08/21/08 16:50/ADM
Solids, Total Dissolved TDS @ 180 C	2100	mg/L		5		1	A2540 C	06/27/08 11:54/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/15/08 18:06/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/15/08 18:06/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 18:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/15/08 18:06/eli-c
Iron	1.60	mg/L		0.03		2	E200.7	07/07/08 18:09/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/15/08 18:06/eli-c
Manganese	2.56	mg/L		0.01		2	E200.7	07/07/08 18:09/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/15/08 18:06/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 18:09/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 16:11/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/15/08 18:06/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.

Page 1 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-001
Client Sample ID: DewBurd GW698

Report Date: 08/21/08
Collection Date: 06/24/08 11:55
Date Received: 06/25/08
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	07/15/08 18:06/eli-c
Uranium	0.104	mg/L		0.0003		1	E200.8	07/15/08 18:06/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/07/08 18:09/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/07/08 18:09/eli-c
METALS - SUSPENDED								
Uranium	0.0043	mg/L		0.0003		1	E200.8	07/10/08 12:15/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:13/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1790	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	40.7	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	8.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	470	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	11.1	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	8.7	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Lead 210	-1.7	pCi/L	U			1	E909.0M	07/11/08 07:20/eli-c
Lead 210 MDC	11.4	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Lead 210 precision (±)	6.7	pCi/L				1	E909.0M	07/11/08 07:20/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	07/14/08 17:45/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	07/14/08 17:45/eli-c
Radium 226	429	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Radium 226 precision (±)	4.4	pCi/L				1	E903.0	07/21/08 22:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/28/08 15:49/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	07/28/08 15:49/eli-c
Gross Gamma	170	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	38	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	7.4	pCi/L	U			1	E909.0M	07/08/08 06:20/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	07/08/08 06:20/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.78	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	11.6	pCi/L				1	E903.0	07/15/08 23:30/eli-c

Report RL - Analyte reporting limit.
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Page 2 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060427-001
Client Sample ID: DewBurd GW698

Report Date: 08/21/08
Collection Date: 06/24/08 11:55
Date Received: 06/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	1.1	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	40700	pCi/L		100		1	D5072-92	07/02/08 04:29/eli-c
Radon 222 precision (±)	418	pCi/L				1	D5072-92	07/02/08 04:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/17/08 00:31/eli-c
Arsenic	0.005	mg/L	D	0.003		10	E200.8	07/17/08 00:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 02:29/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	07/17/08 13:41/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 02:29/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 00:31/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 02:29/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 02:29/eli-c
Iron	5.48	mg/L		0.03		2	E200.7	07/08/08 02:29/eli-c
Lead	0.001	mg/L		0.001		10	E200.8	07/17/08 00:31/eli-c
Manganese	2.66	mg/L		0.01		2	E200.7	07/08/08 02:29/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/07/08 21:18/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 02:29/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 02:29/eli-c
Selenium	ND	mg/L	D	0.002		10	E200.8	07/17/08 00:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 13:41/eli-c
Strontium	5.2	mg/L		0.1		2	E200.7	07/08/08 02:29/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/17/08 00:31/eli-c
Uranium	0.113	mg/L		0.0003		10	E200.8	07/17/08 00:31/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/08/08 02:29/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.88	%				1	A1030 E	08/21/08 00:00/kl
Anions	33.1	meq/L				1	A1030 E	08/21/08 00:00/kl
Cations	35.8	meq/L				1	A1030 E	08/21/08 00:00/kl
Solids, Total Dissolved Calculated	2200	mg/L				1	A1030 E	08/21/08 00:00/kl
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	08/21/08 00:00/kl

Report RL - Analyte reporting limit.
Definitions: 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.

Page 3 of 21



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-010
Client Sample ID: DewBurd GW698

Report Date: 10/03/08
Collection Date: 07/14/08 18:43
Date Received: 07/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	122	mg/L		5		1	A2320 B	07/15/08 19:12/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	07/15/08 19:12/mb
Bicarbonate as HCO ₃	149	mg/L		5		1	A2320 B	07/15/08 19:12/mb
Calcium	356	mg/L		0.5		1	E200.7	07/21/08 22:18/eli-c
Chloride	10	mg/L		1		1	E300.0	07/16/08 20:42/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	07/16/08 20:42/jmh
Magnesium	139	mg/L		0.5		1	E200.8	07/24/08 05:40/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	07/17/08 16:38/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/16/08 20:42/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/16/08 20:42/jmh
Potassium	22.2	mg/L		0.5		1	E200.7	07/21/08 22:18/eli-c
Silica	2.6	mg/L		0.5		1	E200.7	07/21/08 22:18/eli-c
Sodium	84	mg/L	D	2		2	E200.7	07/24/08 18:12/eli-c
Sulfate	1530	mg/L	D	3		50	E300.0	07/16/08 20:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2530	umhos/cm		5.0		1	A2510 B	07/17/08 10:34/tb
Oxidation-Reduction Potential	47	mV				1	A2580 B	07/16/08 00:00/kh
pH	7.72	s.u.		0.01		1	A4500-H B	07/16/08 16:16/tb
Sodium Adsorption Ratio (SAR)	0.95	unitless		0.10		1	Calculation	09/29/08 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	07/17/08 17:32/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	07/24/08 05:40/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/30/08 19:56/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/11/08 16:35/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/24/08 18:12/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/31/08 16:19/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/24/08 18:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/30/08 19:56/eli-c
Iron	3.38	mg/L		0.03		2	E200.7	07/24/08 18:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/24/08 05:40/eli-c
Manganese	2.44	mg/L		0.01		2	E200.7	07/24/08 18:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/24/08 05:40/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	07/21/08 22:18/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	07/30/08 19:56/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/28/08 16:23/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/31/08 16:19/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/24/08 05:40/eli-c

Report RL - Analyte reporting limit.

Definitions: 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.

Page 28 of 33



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-010
Client Sample ID: DewBurd GW698

Report Date: 10/03/08
Collection Date: 07/14/08 18:43
Date Received: 07/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.119	mg/L		0.0003		1	E200.8	07/24/08 05:40/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/24/08 18:12/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/30/08 19:56/eli-c
METALS - SUSPENDED								
Uranium	0.0055	mg/L		0.0003		1	E200.8	07/27/08 05:19/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/28/08 14:11/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/28/08 16:34/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1790	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Alpha precision (±)	39.6	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Alpha MDC	7.6	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta	599	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta precision (±)	11.1	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Gross Beta MDC	7.7	pCi/L				1	E900.0	09/04/08 06:47/eli-c
Lead 210	-0.4	pCi/L	U			1	E909.0M	07/25/08 11:45/eli-c
Lead 210 precision (±)	5.5	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Lead 210 MDC	9.2	pCi/L				1	E909.0M	07/25/08 11:45/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	08/07/08 14:50/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	08/07/08 14:50/eli-c
Radium 226	423	pCi/L				1	E903.0	08/12/08 14:54/eli-c
Radium 226 precision (±)	6.0	pCi/L				1	E903.0	08/12/08 14:54/eli-c
Thorium 230	0.1	pCi/L		0.2		1	E907.0	08/13/08 12:43/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	08/13/08 12:43/eli-c
Gross Gamma	1500	pCi/L		20		1	E901.1	07/17/08 13:12/eli-c
Gross Gamma precision (±)	90	pCi/L				1	E901.1	07/17/08 13:12/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.7	pCi/L	U			1	E909.0M	08/11/08 09:30/eli-c
Lead 210 precision (±)	7.0	pCi/L				1	E909.0M	08/11/08 09:30/eli-c
Lead 210 MDC	11.8	pCi/L				1	E909.0M	08/11/08 09:30/eli-c
Polonium 210	1.5	pCi/L		1.0		1	RMO-3008	08/08/08 14:06/eli-c
Polonium 210 precision (±)	0.77	pCi/L				1	RMO-3008	08/08/08 14:06/eli-c
Radium 226	6.3	pCi/L				1	E903.0	08/11/08 09:37/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	08/11/08 09:37/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	08/11/08 09:37/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 29 of 33



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070244-010
Client Sample ID: DewBurd GW698

Report Date: 10/03/08
Collection Date: 07/14/08 18:43
Date Received: 07/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.9	pCi/L		0.2		1	E907.0	08/10/08 12:37/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	08/10/08 12:37/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	27900	pCi/L		100		1	D5072-92	07/16/08 18:45/eli-c
Radon 222 precision (±)	198	pCi/L				1	D5072-92	07/16/08 18:45/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	07/30/08 04:59/eli-c
Arsenic	0.002	mg/L	D	0.001		10	E200.8	07/30/08 04:59/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/25/08 00:24/eli-c
Beryllium	ND	mg/L		0.001		10	E200.8	07/30/08 04:59/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/25/08 00:24/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/30/08 04:59/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/25/08 00:24/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/25/08 00:24/eli-c
Iron	5.66	mg/L		0.03		2	E200.7	07/25/08 00:24/eli-c
Lead	0.001	mg/L	B	0.001		10	E200.8	07/30/08 04:59/eli-c
Manganese	2.53	mg/L		0.01		2	E200.7	07/25/08 00:24/eli-c
Mercury	ND	mg/L		0.0002		1	E245.1	07/23/08 15:43/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/25/08 00:24/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/25/08 00:24/eli-c
Selenium	0.005	mg/L	D	0.002		10	E200.8	07/30/08 04:59/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/31/08 15:58/eli-c
Strontium	4.7	mg/L		0.1		2	E200.7	07/25/08 00:24/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	07/30/08 04:59/eli-c
Uranium	0.116	mg/L		0.0003		10	E200.8	07/31/08 15:58/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/25/08 00:24/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.21	%				1	A1030 E	09/29/08 00:00/jmh
Anions	34.6	meq/L				1	A1030 E	09/29/08 00:00/jmh
Cations	33.7	meq/L				1	A1030 E	09/29/08 00:00/jmh
Solids, Total Dissolved Calculated	2220	mg/L				1	A1030 E	09/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	09/29/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

Page 30 of 33



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080301-003
Client Sample ID: DewBurd GW698

Report Date: 11/14/08
Collection Date: 08/19/08 17:35
Date Received: 08/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	122	mg/L		5		1	A2320 B	08/21/08 11:48/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	08/21/08 11:48/mb
Bicarbonate as HCO3	149	mg/L		5		1	A2320 B	08/21/08 11:48/mb
Calcium	385	mg/L		0.5		2	E200.7	09/02/08 17:57/eli-c
Chloride	10	mg/L		1		1	E300.0	08/22/08 01:17/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	08/22/08 01:17/jmh
Magnesium	139	mg/L		0.5		2	E200.7	09/02/08 17:57/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	08/21/08 17:51/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	08/22/08 01:17/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	08/22/08 01:17/jmh
Potassium	16.0	mg/L		0.5		2	E200.7	09/02/08 17:57/eli-c
Silica	5.0	mg/L		0.5		2	E200.7	09/02/08 17:57/eli-c
Sodium	89	mg/L	D	2		2	E200.7	09/02/08 17:57/eli-c
Sulfate	1290	mg/L	D	3		50	E300.0	08/22/08 00:28/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2840	umhos/cm		5.0		1	A2510 B	08/22/08 11:50/tb
Oxidation-Reduction Potential	44	mV				1	A2580 B	08/25/08 00:00/jmh
pH	7.27	s.u.		0.01		1	A4500-H B	08/22/08 13:58/tb
Sodium Adsorption Ratio (SAR)	0.99	unitless		0.10		1	Calculation	11/04/08 09:20/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	08/25/08 15:54/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	09/02/08 17:57/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	09/03/08 04:13/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/02/08 17:57/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/02/08 17:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/03/08 04:13/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/02/08 17:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/03/08 04:13/eli-c
Iron	4.36	mg/L		0.03		2	E200.7	09/02/08 17:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/03/08 04:13/eli-c
Manganese	2.55	mg/L		0.01		2	E200.7	09/02/08 17:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/03/08 04:13/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	09/02/08 17:57/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/02/08 17:57/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	09/01/08 11:39/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/03/08 04:13/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/03/08 04:13/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 7 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080301-003
Client Sample ID: DewBurd GW698

Report Date: 11/14/08
Collection Date: 08/19/08 17:35
Date Received: 08/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.113	mg/L		0.0003		1	E200.8	09/03/08 04:13/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	09/03/08 04:13/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	09/02/08 17:57/eli-c
METALS - SUSPENDED								
Uranium	0.0023	mg/L		0.0003		1	E200.8	09/11/08 01:20/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/31/08 16:06/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	09/01/08 11:59/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1560	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Alpha precision (±)	39.4	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Alpha MDC	8.0	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Beta	488	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Beta precision (±)	11.6	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Gross Beta MDC	9.4	pCi/L				1	E900.0	09/25/08 14:09/eli-c
Lead 210	3.1	pCi/L	U			1	E909.0M	09/04/08 07:39/eli-c
Lead 210 precision (±)	6.4	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Lead 210 MDC	10.7	pCi/L				1	E909.0M	09/04/08 07:39/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	09/03/08 19:15/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	09/03/08 19:15/eli-c
Radium 226	372	pCi/L				1	E903.0	09/15/08 16:28/eli-c
Radium 226 precision (±)	4.1	pCi/L				1	E903.0	09/15/08 16:28/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	09/20/08 12:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	09/20/08 12:26/eli-c
Gross Gamma	1300	pCi/L		20		1	E901.1	08/29/08 12:32/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	08/29/08 12:32/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.1	pCi/L	U			1	E909.0M	09/12/08 10:37/eli-c
Lead 210 precision (±)	10.6	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Lead 210 MDC	17.8	pCi/L				1	E909.0M	09/12/08 10:37/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	09/15/08 14:35/eli-c
Polonium 210 precision (±)	0.48	pCi/L				1	RMO-3008	09/15/08 14:35/eli-c
Radium 226	1.7	pCi/L				1	E903.0	09/17/08 17:18/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	09/17/08 17:18/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	09/17/08 17:18/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 8 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08080301-003
Client Sample ID: DewBurd GW698

Report Date: 11/14/08
Collection Date: 08/19/08 17:35
Date Received: 08/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.5	pCi/L		0.2		1	E907.0	09/29/08 13:22/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	09/29/08 13:22/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	38200	pCi/L		100		1	D5072-92	08/25/08 17:46/eli-c
Radon 222 precision (±)	342	pCi/L				1	D5072-92	08/25/08 17:46/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	09/04/08 00:10/eli-c
Arsenic	ND	mg/L	D	0.004		1	E200.8	10/18/08 14:53/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/03/08 03:30/eli-c
Beryllium	ND	mg/L	D	0.003		10	E200.8	09/04/08 00:10/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/03/08 03:30/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	09/04/08 00:10/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/03/08 03:30/eli-c
Copper	ND	mg/L		0.01		2	E200.7	09/03/08 03:30/eli-c
Iron	4.78	mg/L		0.03		2	E200.7	09/03/08 03:30/eli-c
Lead	ND	mg/L		0.001		10	E200.8	09/04/08 00:10/eli-c
Manganese	2.54	mg/L		0.01		2	E200.7	09/03/08 03:30/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	08/28/08 08:20/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	09/03/08 03:30/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/03/08 03:30/eli-c
Selenium	ND	mg/L	D	0.003		10	E200.8	09/04/08 00:10/eli-c
Silver	ND	mg/L	D	0.02		10	E200.8	09/04/08 00:10/eli-c
Strontium	4.6	mg/L		0.1		2	E200.7	09/03/08 03:30/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	09/04/08 00:10/eli-c
Uranium	0.101	mg/L	D	0.0005		10	E200.8	09/04/08 00:10/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	09/03/08 03:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	8.93	%				1	A1030 E	11/04/08 00:00/jmh
Anions	29.5	meq/L				1	A1030 E	11/04/08 00:00/jmh
Cations	35.3	meq/L				1	A1030 E	11/04/08 00:00/jmh
Solids, Total Dissolved Calculated	2010	mg/L				1	A1030 E	11/04/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.13					1	A1030 E	11/04/08 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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.

Page 9 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090314-003
Client Sample ID: DewBurd GW698

Report Date: 11/20/08
Collection Date: 09/22/08 13:05
Date Received: 09/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	122	mg/L		5		1	A2320 B	09/24/08 09:09/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	09/24/08 09:09/mb
Bicarbonate as HCO3	149	mg/L		5		1	A2320 B	09/24/08 09:09/mb
Calcium	370	mg/L		0.5		2	E200.7	09/30/08 17:12/eli-c
Chloride	9	mg/L		1		1	E300.0	09/24/08 23:17/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/24/08 23:17/jmh
Magnesium	133	mg/L		0.5		2	E200.7	09/30/08 17:12/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	09/23/08 12:50/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/24/08 23:17/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/24/08 23:17/jmh
Potassium	14.4	mg/L		0.5		2	E200.7	09/30/08 17:12/eli-c
Sodium	83	mg/L		2		2	E200.7	09/30/08 17:12/eli-c
Sulfate	1470	mg/L	D	3		50	E300.0	09/24/08 23:01/jmh
Silica	11.5	mg/L		0.2		2	E200.7	09/30/08 17:12/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2300	umhos/cm		5.0		1	A2510 B	09/25/08 10:11/tb
Oxidation-Reduction Potential	-38.3	mV				1	A2580 B	09/25/08 00:00/jmh
pH	7.02	s.u.		0.01		1	A4500-H B	09/25/08 11:11/tb
Sodium Adsorption Ratio (SAR)	0.94	unitless		0.10		1	Calculation	11/12/08 08:56/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	09/23/08 15:44/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	09/30/08 17:12/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	09/30/08 19:18/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/30/08 17:12/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/30/08 17:12/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/30/08 19:18/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/30/08 17:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/30/08 19:18/eli-c
Iron	3.87	mg/L		0.03		2	E200.7	09/30/08 17:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/30/08 19:18/eli-c
Manganese	2.41	mg/L		0.01		2	E200.7	09/30/08 17:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/30/08 19:18/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	09/30/08 17:12/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/30/08 17:12/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/02/08 15:48/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/30/08 19:18/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/30/08 19:18/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 7 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090314-003
Client Sample ID: DewBurd GW698

Report Date: 11/20/08
Collection Date: 09/22/08 13:05
Date Received: 09/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.103	mg/L		0.0003		1	E200.8	09/30/08 19:18/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	09/30/08 17:12/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	09/30/08 17:12/eli-c
METALS - SUSPENDED								
Uranium	0.0006	mg/L		0.0003		1	E200.8	09/30/08 19:29/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/02/08 11:20/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/02/08 16:47/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	36.3	pCi/L				1	E900.0	10/12/08 05:27/eli-c
Gross Alpha precision (±)	4.3	pCi/L				1	E900.0	10/12/08 05:27/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	10/12/08 05:27/eli-c
Gross Beta	19.8	pCi/L				1	E900.0	10/12/08 05:27/eli-c
Gross Beta precision (±)	2.7	pCi/L				1	E900.0	10/12/08 05:27/eli-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	10/12/08 05:27/eli-c
Lead 210	2.2	pCi/L	U			1	E909.0M	10/02/08 10:37/eli-c
Lead 210 precision (±)	5.4	pCi/L				1	E909.0M	10/02/08 10:37/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	10/02/08 10:37/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	10/01/08 14:38/eli-c
Polonium 210 precision (±)	0.55	pCi/L				1	RMO-3008	10/01/08 14:38/eli-c
Radium 226	410	pCi/L				1	E903.0	10/14/08 11:05/eli-c
Radium 226 precision (±)	4.4	pCi/L				1	E903.0	10/14/08 11:05/eli-c
Thorium 230	ND	pCi/L	U	0.2		1	E907.0	10/20/08 15:17/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	10/20/08 15:17/eli-c
Gross Gamma	240	pCi/L				1	E901.1	10/13/08 15:50/eli-c
Gross Gamma precision (±)	50	pCi/L				1	E901.1	10/13/08 15:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.5	pCi/L	U			1	E909.0M	10/01/08 08:40/eli-c
Lead 210 precision (±)	4.7	pCi/L				1	E909.0M	10/01/08 08:40/eli-c
Lead 210 MDC	7.8	pCi/L				1	E909.0M	10/01/08 08:40/eli-c
Polonium 210	0.059	pCi/L	U			1	RMO-3008	10/09/08 09:13/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	10/09/08 09:13/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	10/09/08 07:33/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	10/09/08 07:33/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	10/09/08 07:33/eli-c

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

Page 8 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08090314-003
Client Sample ID: DewBurd GW698

Report Date: 11/20/08
Collection Date: 09/22/08 13:05
Date Received: 09/23/08
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	09/30/08 16:00/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	09/30/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	29500	pCi/L		100		1	D5072-92	09/24/08 12:00/eli-c
Radon 222 precision (±)	196	pCi/L				1	D5072-92	09/24/08 12:00/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		10	E200.8	10/02/08 18:19/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/03/08 13:35/eli-c
Barium	ND	mg/L		0.1		2	E200.7	09/30/08 22:28/eli-c
Beryllium	ND	mg/L	D	0.002		10	E200.8	10/02/08 18:19/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/30/08 22:28/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	09/30/08 22:28/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	09/30/08 22:28/eli-c
Copper	ND	mg/L		0.01		2	E200.7	09/30/08 22:28/eli-c
Iron	5.15	mg/L		0.03		2	E200.7	09/30/08 22:28/eli-c
Lead	ND	mg/L		0.001		10	E200.8	10/02/08 18:19/eli-c
Manganese	2.57	mg/L		0.01		2	E200.7	09/30/08 22:28/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	09/29/08 10:32/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	09/30/08 22:28/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	09/30/08 22:28/eli-c
Selenium	ND	mg/L	D	0.005		10	E200.8	10/02/08 18:19/eli-c
Silver	ND	mg/L		0.005		10	E200.8	10/02/08 18:19/eli-c
Strontium	4.9	mg/L		0.1		2	E200.7	09/30/08 22:28/eli-c
Thallium	ND	mg/L		0.001		10	E200.8	10/02/08 18:19/eli-c
Uranium	0.102	mg/L		0.0005		10	E200.8	10/02/08 18:19/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	09/30/08 22:28/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.650	%				1	A1030 E	11/13/08 00:00/ADM
Anions	33.2	meq/L				1	A1030 E	11/13/08 00:00/ADM
Cations	33.7	meq/L				1	A1030 E	11/13/08 00:00/ADM
Solids, Total Dissolved Calculated	2180	mg/L				1	A1030 E	11/13/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	11/13/08 00:00/ADM

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.
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D - RL increased due to sample matrix interference.

Page 9 of 15



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-004
Client Sample ID: DewBurd GW698

Report Date: 12/29/08
Collection Date: 10/20/08 13:52
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	114	mg/L		5		1	A2320 B	10/27/08 15:52/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	10/27/08 15:52/mb
Bicarbonate as HCO ₃	139	mg/L		5		1	A2320 B	10/27/08 15:52/mb
Calcium	366	mg/L		0.5		2	E200.7	11/05/08 17:40/eli-c
Chloride	10	mg/L		1		1	E300.0	10/22/08 23:31/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	10/22/08 23:31/jmh
Magnesium	128	mg/L		0.5		2	E200.7	11/05/08 17:40/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	10/23/08 17:55/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/22/08 23:31/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	10/22/08 23:31/jmh
Potassium	15.1	mg/L		0.5		2	E200.7	11/05/08 17:40/eli-c
Sodium	84	mg/L	D	2		2	E200.7	11/05/08 17:40/eli-c
Sulfate	1380	mg/L	D	3		50	E300.0	10/22/08 22:42/jmh
Silica	10.5	mg/L		0.2		2	E200.7	11/05/08 17:40/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2480	umhos/cm		5.0		1	A2510 B	10/28/08 17:18/tb
Oxidation-Reduction Potential	64	mV				1	A2580 B	10/27/08 19:00/jmh
pH	7.34	s.u.		0.01		1	A4500-H B	10/28/08 13:38/tb
Sodium Adsorption Ratio (SAR)	0.96	unitless		0.10		1	Calculation	12/10/08 17:07/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	10/27/08 10:44/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/05/08 05:45/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/05/08 05:45/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/05/08 05:45/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 17:40/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/05/08 05:45/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/05/08 05:45/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/05/08 05:45/eli-c
Iron	2.67	mg/L		0.03		2	E200.7	11/05/08 17:40/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/05/08 05:45/eli-c
Manganese	2.37	mg/L		0.01		1	E200.8	11/05/08 05:45/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/05/08 05:45/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/05/08 05:45/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/05/08 05:45/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/31/08 09:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/05/08 13:49/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/05/08 05:45/eli-c

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

Page 10 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-004
Client Sample ID: DewBurd GW698

Report Date: 12/29/08
Collection Date: 10/20/08 13:52
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.103	mg/L		0.0003		1	E200.8	11/05/08 05:45/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/05/08 05:45/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/05/08 05:45/eli-c
METALS - SUSPENDED								
Uranium	0.0036	mg/L		0.0003		1	E200.8	11/06/08 15:37/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/30/08 14:43/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/08 10:28/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1330	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Alpha precision (±)	34.2	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Alpha MDC	6.5	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Beta	399	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Beta precision (±)	10.7	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Gross Beta MDC	9.4	pCi/L				1	E900.0	11/22/08 01:24/eli-c
Lead 210	6.8	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Lead 210 precision (±)	3.8	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Lead 210 MDC	6.1	pCi/L				1	E909.0M	11/06/08 09:13/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	11/19/08 09:23/eli-c
Polonium 210 precision (±)	0.42	pCi/L				1	RMO-3008	11/19/08 09:23/eli-c
Radium 226	347	pCi/L				1	E903.0	11/11/08 00:38/eli-c
Radium 226 precision (±)	3.5	pCi/L				1	E903.0	11/11/08 00:38/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	11/20/08 08:50/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	11/20/08 08:50/eli-c
Gross Gamma	1700	pCi/L				1	E901.1	10/27/08 11:00/eli-c
Gross Gamma precision (±)	100	pCi/L				1	E901.1	10/27/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.7	pCi/L	U			1	E909.0M	11/11/08 10:15/eli-c
Lead 210 precision (±)	4.1	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Lead 210 MDC	6.8	pCi/L				1	E909.0M	11/11/08 10:15/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	11/13/08 12:40/eli-c
Polonium 210 precision (±)	0.68	pCi/L				1	RMO-3008	11/13/08 12:40/eli-c
Radium 226	7.4	pCi/L				1	E903.0	11/11/08 11:22/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	11/11/08 11:22/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	11/11/08 11:22/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 11 of 42



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08100295-004
Client Sample ID: DewBurd GW698

Report Date: 12/29/08
Collection Date: 10/20/08 13:52
Date Received: 10/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	11/07/08 14:30/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	11/07/08 14:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	38200	pCi/L		100		1	D5072-92	10/24/08 12:24/eli-c
Radon 222 precision (±)	278	pCi/L				1	D5072-92	10/24/08 12:24/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	10/30/08 03:02/eli-c
Arsenic	0.006	mg/L	L	0.002		1	E200.8	10/30/08 03:02/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/30/08 03:02/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	10/30/08 03:02/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/05/08 20:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/30/08 03:02/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/30/08 03:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/30/08 03:02/eli-c
Iron	4.86	mg/L		0.03		2	E200.7	11/05/08 20:41/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/30/08 03:02/eli-c
Manganese	2.47	mg/L		0.01		2	E200.7	11/05/08 20:41/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	10/27/08 09:37/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	10/30/08 03:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/30/08 03:02/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/30/08 03:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/30/08 03:02/eli-c
Strontium	4.9	mg/L		0.1		2	E200.7	11/05/08 20:41/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	10/30/08 03:02/eli-c
Uranium	0.132	mg/L		0.0003		1	E200.8	10/30/08 03:02/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/30/08 03:02/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.91	%				1	A1030 E	12/10/08 00:00/jmh
Anions	31.2	meq/L				1	A1030 E	12/10/08 00:00/jmh
Cations	33.1	meq/L				1	A1030 E	12/10/08 00:00/jmh
Solids, Total Dissolved Calculated	2080	mg/L				1	A1030 E	12/10/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.10					1	A1030 E	12/10/08 00:00/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.
L - Lowest available reporting limit for the analytical method used.

Page 12 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-008
Client Sample ID: DewBurd GW698

Report Date: 01/29/09
Collection Date: 11/18/08 12:00
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	112	mg/L		5		1	A2320 B	11/25/08 11:43/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/25/08 11:43/mb
Bicarbonate as HCO3	137	mg/L		5		1	A2320 B	11/25/08 11:43/mb
Calcium	388	mg/L		0.5		2	E200.7	12/10/08 17:49/eli-c
Chloride	10	mg/L		1		1	E300.0	11/20/08 21:03/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	11/20/08 21:03/jmh
Magnesium	141	mg/L		0.5		2	E200.7	12/10/08 17:49/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	11/25/08 17:24/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/20/08 21:03/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/20/08 21:03/jmh
Potassium	15.5	mg/L		0.5		2	E200.7	12/10/08 17:49/eli-c
Sodium	86	mg/L	D	2		2	E200.7	12/10/08 17:49/eli-c
Sulfate	1360	mg/L	D	3		50	E300.0	11/21/08 06:21/jmh
Silica	11.1	mg/L		0.2		2	E200.7	12/10/08 17:49/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2300	umhos/cm		5.0		1	A2510 B	11/25/08 15:38/tb
Oxidation-Reduction Potential	300	mV				1	A2580 B	11/25/08 16:00/jmh
pH	7.42	s.u.		0.01		1	A4500-H B	11/25/08 14:54/tb
Sodium Adsorption Ratio (SAR)	0.95	unitless		0.10		1	Calculation	01/29/09 11:40/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	11/21/08 11:34/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/03/08 21:01/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/03/08 21:01/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/03/08 21:01/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	12/10/08 17:49/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/03/08 21:01/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/03/08 21:01/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/03/08 21:01/eli-c
Iron	2.54	mg/L		0.03		2	E200.7	12/10/08 17:49/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/03/08 21:01/eli-c
Manganese	2.25	mg/L		0.01		1	E200.8	12/03/08 21:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/03/08 21:01/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/03/08 21:01/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/03/08 21:01/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/05/08 10:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/05/08 04:03/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/03/08 21:01/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 22 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-008
Client Sample ID: DewBurd GW698

Report Date: 01/29/09
Collection Date: 11/18/08 12:00
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.106	mg/L		0.0003		1	E200.8	12/03/08 21:01/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/03/08 21:01/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/03/08 21:01/eli-c
METALS - SUSPENDED								
Uranium	0.0042	mg/L		0.0003		1	E200.8	12/11/08 02:16/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/04/08 15:53/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/05/08 11:31/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1680	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Alpha precision (±)	40.3	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Alpha MDC	8.9	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Beta	619	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Beta precision (±)	12.6	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Gross Beta MDC	9.4	pCi/L				1	E900.0	12/24/08 13:29/eli-c
Lead 210	1.4	pCi/L	U			1	E909.0M	12/11/08 10:00/eli-c
Lead 210 precision (±)	2.6	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Lead 210 MDC	4.4	pCi/L				1	E909.0M	12/11/08 10:00/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	12/11/08 10:19/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	12/11/08 10:19/eli-c
Radium 226	403	pCi/L				1	E903.0	12/16/08 23:17/eli-c
Radium 226 precision (±)	3.6	pCi/L				1	E903.0	12/16/08 23:17/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	12/16/08 23:17/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	12/12/08 16:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	12/12/08 16:26/eli-c
Gross Gamma	1700	pCi/L		20		1	E901.1	12/03/08 15:07/eli-c
Gross Gamma precision (±)	260	pCi/L				1	E901.1	12/03/08 15:07/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.4	pCi/L	U			1	E909.0M	12/18/08 07:13/eli-c
Lead 210 precision (±)	5.5	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	12/18/08 07:13/eli-c
Polonium 210	1.6	pCi/L				1	RMO-3008	12/30/08 08:57/eli-c
Polonium 210 precision (±)	0.98	pCi/L				1	RMO-3008	12/30/08 08:57/eli-c
Radium 226	9.0	pCi/L				1	E903.0	12/18/08 17:20/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	12/18/08 17:20/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 23 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08110211-008
Client Sample ID: DewBurd GW698

Report Date: 01/29/09
Collection Date: 11/18/08 12:00
Date Received: 11/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.4	pCi/L				1	E903.0	12/18/08 17:20/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	12/11/08 15:00/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	12/11/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	37400	pCi/L		100		1	D5072-92	11/23/08 09:20/eli-c
Radon 222 precision (±)	303	pCi/L				1	D5072-92	11/23/08 09:20/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/09/08 22:05/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/08/08 14:29/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/09/08 22:05/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	12/08/08 14:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/12/08 19:46/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/09/08 22:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/08/08 14:29/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/09/08 22:05/eli-c
Iron	4.42	mg/L		0.03		2	E200.7	12/12/08 19:46/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/08/08 14:29/eli-c
Manganese	2.31	mg/L		0.01		1	E200.8	12/08/08 14:29/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	11/24/08 08:59/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	12/09/08 22:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/08/08 14:29/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	12/08/08 14:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/08/08 14:29/eli-c
Strontium	4.4	mg/L		0.1		1	E200.8	12/09/08 22:05/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/09/08 22:05/eli-c
Uranium	0.103	mg/L		0.0003		1	E200.8	12/09/08 22:05/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/09/08 22:05/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.79	%				1	A1030 E	01/29/09 00:00/jmh
Anions	30.9	meq/L				1	A1030 E	01/29/09 00:00/jmh
Cations	35.4	meq/L				1	A1030 E	01/29/09 00:00/jmh
Solids, Total Dissolved Calculated	2100	mg/L				1	A1030 E	01/29/09 00:00/jmh
TDS Balance (0.80 - 1.20)	1.05					1	A1030 E	01/29/09 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 24 of 42



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-005
Client Sample ID: DewBurd GW698

Report Date: 01/27/09
Collection Date: 12/17/08 13:00
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	114	mg/L		5		1	A2320 B	12/23/08 10:29/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	12/23/08 10:29/mb
Bicarbonate as HCO ₃	139	mg/L		5		1	A2320 B	12/23/08 10:29/mb
Calcium	374	mg/L		0.5		2	E200.7	01/05/09 13:07/eli-c
Chloride	10	mg/L		1		1	E300.0	12/19/08 01:18/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	12/19/08 01:18/jmh
Magnesium	135	mg/L		0.5		2	E200.7	01/05/09 13:07/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH ₃ G	12/26/08 14:58/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	12/19/08 01:18/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	12/19/08 01:18/jmh
Potassium	15.5	mg/L		0.5		2	E200.7	01/05/09 13:07/eli-c
Sodium	84	mg/L	D	2		2	E200.7	01/05/09 13:07/eli-c
Sulfate	1340	mg/L	D	3		50	E300.0	12/19/08 01:02/jmh
Silica	11.3	mg/L		0.2		2	E200.7	01/05/09 13:07/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2290	umhos/cm		5.0		1	A2510 B	12/19/08 09:09/tb
Oxidation-Reduction Potential	160	mV				1	A2580 B	12/23/08 14:30/jmh
pH	6.92	s.u.		0.01		1	A4500-H B	12/19/08 10:25/tb
Sodium Adsorption Ratio (SAR)	0.95	unitless		0.10		1	Calculation	01/23/09 16:16/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	12/22/08 12:11/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/26/08 18:58/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/26/08 18:58/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/26/08 18:58/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 13:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/26/08 18:58/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/26/08 18:58/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/26/08 18:58/eli-c
Iron	2.99	mg/L		0.03		2	E200.7	01/05/09 13:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/26/08 18:58/eli-c
Manganese	2.58	mg/L		0.01		1	E200.8	12/26/08 18:58/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/26/08 18:58/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/26/08 18:58/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/26/08 18:58/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	01/09/09 15:51/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/26/08 18:58/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/26/08 18:58/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.

Page 13 of 39



POWERTECH (USA) INC.



ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-005
Client Sample ID: DewBurd GW698

Report Date: 01/27/09
Collection Date: 12/17/08 13:00
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0998	mg/L		0.0003		1	E200.8	12/26/08 18:58/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/26/08 18:58/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/26/08 18:58/eli-c
METALS - SUSPENDED								
Uranium	0.0028	mg/L	D	0.0009		1	E200.8	01/01/09 21:50/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/08/09 15:19/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	01/09/09 16:57/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1570	pCi/L				1	E900.0	01/14/09 01:14/eli-c
Gross Alpha precision (±)	37.7	pCi/L				1	E900.0	01/14/09 01:14/eli-c
Gross Alpha MDC	6.7	pCi/L				1	E900.0	01/14/09 01:14/eli-c
Gross Beta	664	pCi/L				1	E900.0	01/14/09 01:14/eli-c
Gross Beta precision (±)	13.0	pCi/L				1	E900.0	01/14/09 01:14/eli-c
Gross Beta MDC	9.1	pCi/L				1	E900.0	01/14/09 01:14/eli-c
Lead 210	4.7	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Lead 210 MDC	4.0	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	01/09/09 13:47/eli-c
Polonium 210 precision (±)	0.35	pCi/L				1	RMO-3008	01/09/09 13:47/eli-c
Radium 226	363	pCi/L				1	E903.0	01/05/09 12:37/eli-c
Radium 226 precision (±)	3.1	pCi/L				1	E903.0	01/05/09 12:37/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	01/05/09 12:37/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	01/08/09 08:39/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	01/08/09 08:39/eli-c
Gross Gamma	620	pCi/L				1	E901.1	12/29/08 12:00/eli-c
Gross Gamma precision (±)	63	pCi/L				1	E901.1	12/29/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.2	pCi/L	U			1	E909.0M	01/06/09 10:06/eli-c
Lead 210 precision (±)	6.3	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Lead 210 MDC	10.4	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	01/15/09 14:33/eli-c
Polonium 210 precision (±)	0.81	pCi/L				1	RMO-3008	01/15/09 14:33/eli-c
Radium 226	4.7	pCi/L				1	E903.0	01/21/09 21:42/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	01/21/09 21:42/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 14 of 39



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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: R08120255-005
Client Sample ID: DewBurd GW698

Report Date: 01/27/09
Collection Date: 12/17/08 13:00
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.5	pCi/L				1	E903.0	01/21/09 21:42/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	01/07/09 13:33/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	01/07/09 13:33/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	37600	pCi/L		100		1	D5072-92	12/19/08 15:40/eli-c
Radon 222 precision (±)	230	pCi/L				1	D5072-92	12/19/08 15:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	01/14/09 13:58/eli-c
Arsenic	0.004	mg/L	L	0.002		1	E200.8	01/01/09 19:35/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/01/09 19:35/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	01/01/09 19:35/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 19:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/01/09 19:35/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/01/09 19:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/01/09 19:35/eli-c
Iron	4.66	mg/L		0.03		2	E200.7	01/05/09 19:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/01/09 19:35/eli-c
Manganese	2.54	mg/L		0.01		1	E200.8	01/01/09 19:35/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	12/26/08 15:19/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	01/01/09 19:35/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/01/09 19:35/eli-c
Selenium	ND	mg/L	L	0.002		1	E200.8	01/01/09 19:35/eli-c
Silver	ND	mg/L	Silver	0.005		1	E200.8	01/01/09 19:35/eli-c
Strontium	4.9	mg/L		0.1		1	E200.8	01/01/09 19:35/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	01/01/09 19:35/eli-c
Uranium	0.112	mg/L		0.0003		1	E200.8	01/01/09 19:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/08/09 17:22/eli-c
-Sb fails high in LCS, since sample is ND it is not effected by the high bias. Rdw								
DATA QUALITY								
A/C Balance (± 5)	5.82	%				1	A1030 E	01/23/09 00:00/jmh
Anions	30.4	meq/L				1	A1030 E	01/23/09 00:00/jmh
Cations	34.2	meq/L				1	A1030 E	01/23/09 00:00/jmh
Solids, Total Dissolved Calculated	2060	mg/L				1	A1030 E	01/23/09 00:00/jmh
TDS Balance (0.80 - 1.20)	1.07					1	A1030 E	01/23/09 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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.
L - Lowest available reporting limit for the analytical method used.

Page 15 of 39



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-006
Client Sample ID: DewBurd GW698

Report Date: 01/27/09
Collection Date: 12/17/08 13:15
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	114	mg/L		5		1	A2320 B	12/23/08 10:56/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/23/08 10:56/mb
Bicarbonate as HCO3	139	mg/L		5		1	A2320 B	12/23/08 10:56/mb
Calcium	392	mg/L		0.5		2	E200.7	01/05/09 13:11/eli-c
Chloride	10	mg/L		1		1	E300.0	12/19/08 01:51/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	12/19/08 01:51/jmh
Magnesium	143	mg/L		0.5		2	E200.7	01/05/09 13:11/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	12/26/08 14:59/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	12/19/08 01:51/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	12/19/08 01:51/jmh
Potassium	16.2	mg/L		0.5		2	E200.7	01/05/09 13:11/eli-c
Sodium	90	mg/L	D	2		2	E200.7	01/05/09 13:11/eli-c
Sulfate	1340	mg/L	D	3		50	E300.0	12/19/08 01:35/jmh
Silica	11.4	mg/L		0.2		2	E200.7	01/05/09 13:11/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2320	umhos/cm		5.0		1	A2510 B	12/19/08 09:10/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	12/23/08 14:30/jmh
pH	6.86	s.u.		0.01		1	A4500-H B	12/19/08 10:26/tb
Sodium Adsorption Ratio (SAR)	0.99	unitless		0.10		1	Calculation	01/23/09 16:16/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	12/22/08 12:12/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/26/08 19:05/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/26/08 19:05/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/26/08 19:05/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 13:11/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/26/08 19:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/26/08 19:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/26/08 19:05/eli-c
Iron	0.22	mg/L		0.03		2	E200.7	01/05/09 13:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/26/08 19:05/eli-c
Manganese	2.63	mg/L		0.01		1	E200.8	12/26/08 19:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/26/08 19:05/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/26/08 19:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/26/08 19:05/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	01/09/09 15:54/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/26/08 19:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/26/08 19:05/eli-c

Report RL - Analyte reporting limit.

Definitions: 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.

Page 16 of 39



POWERTECH (USA) INC.



ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-006
Client Sample ID: DewBurd GW698

Report Date: 01/27/09
Collection Date: 12/17/08 13:15
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0956	mg/L		0.0003		1	E200.8	12/26/08 19:05/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/26/08 19:05/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/26/08 19:05/eli-c
METALS - SUSPENDED								
Uranium	0.0055	mg/L	D	0.0009		1	E200.8	01/01/09 22:10/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/08/09 15:23/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	01/09/09 16:57/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1730	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Alpha precision (±)	39.2	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Alpha MDC	6.5	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Beta	626	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Beta precision (±)	12.6	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Gross Beta MDC	9.1	pCi/L				1	E900.0	01/14/09 01:14/eli-ca
Lead 210	4.1	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Lead 210 precision (±)	2.4	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Lead 210 MDC	4.0	pCi/L				1	E909.0M	12/30/08 08:13/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	01/09/09 13:47/eli-c
Polonium 210 precision (±)	0.42	pCi/L				1	RMO-3008	01/09/09 13:47/eli-c
Radium 226	335	pCi/L				1	E903.0	01/05/09 12:37/eli-ca
Radium 226 precision (±)	3.2	pCi/L				1	E903.0	01/05/09 12:37/eli-ca
Radium 226 MDC	0.2	pCi/L				1	E903.0	01/05/09 12:37/eli-ca
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	01/08/09 08:39/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	01/08/09 08:39/eli-c
Gross Gamma	650	pCi/L				1	E901.1	12/29/08 12:00/eli-c
Gross Gamma precision (±)	66	pCi/L				1	E901.1	12/29/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.4	pCi/L	U			1	E909.0M	01/06/09 10:06/eli-c
Lead 210 precision (±)	6.3	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Lead 210 MDC	10.4	pCi/L				1	E909.0M	01/06/09 10:06/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	01/15/09 14:33/eli-c
Polonium 210 precision (±)	0.69	pCi/L				1	RMO-3008	01/15/09 14:33/eli-c
Radium 226	21.6	pCi/L				1	E903.0	01/21/09 21:42/eli-c
Radium 226 precision (±)	1.4	pCi/L				1	E903.0	01/21/09 21:42/eli-c

Report RL - Analyte reporting limit.
Definitions: 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.

Page 17 of 39



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08120255-006
Client Sample ID: DewBurd GW698

Report Date: 01/27/09
Collection Date: 12/17/08 13:15
Date Received: 12/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.5	pCi/L				1	E903.0	01/21/09 21:42/eli-c
Thorium 230	0.3	pCi/L	U	0.2		1	E907.0	01/07/09 13:33/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	01/07/09 13:33/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	36700	pCi/L		100		1	D5072-92	12/19/08 15:40/eli-c
Radon 222 precision (±)	227	pCi/L				1	D5072-92	12/19/08 15:40/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/30/08 19:47/eli-c
Arsenic	0.004	mg/L	L	0.003		1	E200.8	12/30/08 19:47/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/30/08 19:47/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	12/30/08 19:47/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/05/09 19:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/30/08 19:47/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/30/08 19:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/30/08 19:47/eli-c
Iron	4.56	mg/L		0.03		2	E200.7	01/05/09 19:16/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/30/08 19:47/eli-c
Manganese	2.40	mg/L		0.01		1	E200.8	12/30/08 19:47/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	12/26/08 15:21/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	12/30/08 19:47/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/30/08 19:47/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	12/30/08 19:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/30/08 19:47/eli-c
Strontium	4.6	mg/L		0.1		1	E200.8	12/30/08 19:47/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/30/08 19:47/eli-c
Uranium	0.107	mg/L		0.0003		1	E200.8	12/30/08 19:47/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/30/08 19:47/eli-c
DATA QUALITY								
A/C Balance (± 5)	8.29	%				1	A1030 E	01/23/09 00:00/jmh
Anions	30.4	meq/L				1	A1030 E	01/23/09 00:00/jmh
Cations	35.9	meq/L				1	A1030 E	01/23/09 00:00/jmh
Solids, Total Dissolved Calculated	2090	mg/L				1	A1030 E	01/23/09 00:00/jmh
TDS Balance (0.80 - 1.20)	1.06					1	A1030 E	01/23/09 00:00/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.
L - Lowest available reporting limit for the analytical method used.

Page 18 of 39



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-009
Client Sample ID: DewBurd GW698

Report Date: 03/17/09
Collection Date: 01/20/09 14:07
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	118	mg/L		5		1	A2320 B	01/26/09 14:28/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	01/26/09 14:28/mb
Bicarbonate as HCO3	144	mg/L		5		1	A2320 B	01/26/09 14:28/mb
Calcium	341	mg/L		0.5		2	E200.7	01/30/09 20:37/eli-c
Chloride	10	mg/L		1		1	E300.0	01/22/09 04:45/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	01/22/09 04:45/jmh
Magnesium	127	mg/L		0.5		2	E200.7	01/30/09 20:37/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	01/21/09 17:21/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	01/22/09 04:45/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	01/22/09 04:45/jmh
Potassium	16.0	mg/L		0.5		2	E200.7	01/30/09 20:37/eli-c
Sodium	92.1	mg/L		0.5		2	E200.7	01/30/09 20:37/eli-c
Sulfate	1340	mg/L	D	3		50	E300.0	01/22/09 04:29/jmh
Silica	10.2	mg/L		0.2		2	E200.7	01/30/09 20:37/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2410	umhos/cm		5.0		1	A2510 B	01/22/09 15:01/tb
Oxidation-Reduction Potential	300	mV				1	A2580 B	01/27/09 11:00/jmh
pH	6.74	s.u.		0.01		1	A4500-H B	01/22/09 10:14/tb
Sodium Adsorption Ratio (SAR)	1.1	unitless		0.10		1	Calculation	03/16/09 16:28/ADM
Solids, Total Dissolved TDS @ 180 C	1700	mg/L		5		1	A2540 C	01/26/09 09:21/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/03/09 18:06/eli-c
Arsenic	ND	mg/L		0.001		5	E200.8	01/30/09 18:57/eli-c
Barium	ND	mg/L		0.1		5	E200.8	01/30/09 18:57/eli-c
Boron	ND	mg/L		0.1		2	E200.7	01/30/09 20:37/eli-c
Cadmium	ND	mg/L		0.005		5	E200.8	01/30/09 18:57/eli-c
Chromium	ND	mg/L		0.05		5	E200.8	01/30/09 18:57/eli-c
Copper	ND	mg/L		0.01		5	E200.8	01/30/09 18:57/eli-c
Iron	1.74	mg/L		0.03		2	E200.7	01/30/09 20:37/eli-c
Lead	ND	mg/L		0.001		5	E200.8	01/30/09 18:57/eli-c
Manganese	2.39	mg/L		0.01		5	E200.8	01/30/09 18:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/03/09 18:06/eli-c
Molybdenum	ND	mg/L		0.1		5	E200.8	01/30/09 18:57/eli-c
Nickel	ND	mg/L		0.05		5	E200.8	01/30/09 18:57/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/09 10:34/eli-c
Silver	ND	mg/L		0.005		5	E200.8	01/30/09 18:57/eli-c
Thorium 232	ND	mg/L		0.005		5	E200.8	01/30/09 18:57/eli-c
Uranium	0.100	mg/L		0.0003		5	E200.8	01/30/09 18:57/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.

Page 25 of 42



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: R09010301-009
Client Sample ID: DewBurd GW698

Report Date: 03/17/09
Collection Date: 01/20/09 14:07
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		5	E200.8	01/30/09 18:57/eli-c
Zinc	ND	mg/L		0.01		5	E200.8	01/30/09 18:57/eli-c
METALS - SUSPENDED								
Uranium	0.0021	mg/L		0.0003		1	E200.8	02/19/09 01:21/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/24/09 16:33/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/09 11:07/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1960	pCi/L				1	E900.0	02/07/09 01:11/eli-c
Gross Alpha precision (±)	40.9	pCi/L				1	E900.0	02/07/09 01:11/eli-c
Gross Alpha MDC	7.4	pCi/L				1	E900.0	02/07/09 01:11/eli-c
Gross Beta	547	pCi/L				1	E900.0	02/07/09 01:11/eli-c
Gross Beta precision (±)	11.6	pCi/L				1	E900.0	02/07/09 01:11/eli-c
Gross Beta MDC	8.7	pCi/L				1	E900.0	02/07/09 01:11/eli-c
Lead 210	0.1	pCi/L	U			1	E909.0M	02/03/09 10:43/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Lead 210 MDC	4.2	pCi/L				1	E909.0M	02/03/09 10:43/eli-c
Polonium 210	0.42	pCi/L	U			1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 MDC	0.68	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Polonium 210 precision (±)	0.51	pCi/L				1	RMO-3008	02/13/09 14:35/eli-c
Radium 226	386	pCi/L				1	E903.0	02/05/09 14:35/eli-c
Radium 226 precision (±)	3.8	pCi/L				1	E903.0	02/05/09 14:35/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	02/06/09 08:45/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	02/06/09 08:45/eli-c
Gross Gamma	1400	pCi/L				1	E901.1	02/04/09 14:00/eli-c
Gross Gamma precision (±)	220	pCi/L				1	E901.1	02/04/09 14:00/eli-c
<p>- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.</p>								
RADIONUCLIDES - SUSPENDED								
Lead 210	0.9	pCi/L	U			1	E909.0M	03/10/09 13:35/eli-c
Lead 210 precision (±)	4.8	pCi/L				1	E909.0M	03/10/09 13:35/eli-c
Lead 210 MDC	8.0	pCi/L				1	E909.0M	03/10/09 13:35/eli-c
Polonium 210	2.0	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 precision (±)	0.96	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Polonium 210 MDC	0.59	pCi/L				1	RMO-3008	02/19/09 09:56/eli-c
Radium 226	7.3	pCi/L				1	E903.0	02/18/09 13:41/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	02/18/09 13:41/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 26 of 42



POWERTECH (USA) INC.



ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09010301-009
Client Sample ID: DewBurd GW698

Report Date: 03/17/09
Collection Date: 01/20/09 14:07
Date Received: 01/21/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.5	pCi/L				1	E903.0	02/18/09 13:41/eli-ca
Thorium 230	1.9	pCi/L		0.2		1	E907.0	03/01/09 14:58/eli-c
Thorium 230 precision (±)	0.6	pCi/L				1	E907.0	03/01/09 14:58/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	32100	pCi/L		100		1	D5072-92	01/23/09 14:10/eli-c
Radon 222 precision (±)	235	pCi/L				1	D5072-92	01/23/09 14:10/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/04/09 17:22/eli-c
Arsenic	ND	mg/L	D	0.002		1	E200.8	02/04/09 17:22/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/04/09 17:22/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/04/09 17:22/eli-c
Boron	ND	mg/L		0.1		2	E200.7	02/07/09 03:31/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/04/09 17:22/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/04/09 17:22/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/04/09 17:22/eli-c
Iron	4.60	mg/L		0.03		2	E200.7	02/07/09 03:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/04/09 17:22/eli-c
Manganese	2.37	mg/L		0.01		1	E200.8	02/04/09 17:22/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	01/26/09 10:45/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	02/04/09 17:22/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/04/09 17:22/eli-c
Selenium	ND	mg/L	D	0.002		1	E200.8	02/04/09 17:22/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/04/09 17:22/eli-c
Strontium	4.8	mg/L		0.1		1	E200.8	02/04/09 17:22/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/04/09 17:22/eli-c
Uranium	0.108	mg/L		0.0003		1	E200.8	02/04/09 17:22/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/04/09 17:22/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.51	%				1	A1030 E	03/16/09 00:00/kl
Anions	30.6	meq/L				1	A1030 E	03/16/09 00:00/kl
Cations	32.2	meq/L				1	A1030 E	03/16/09 00:00/kl
Solids, Total Dissolved Calculated	2030	mg/L				1	A1030 E	03/16/09 00:00/kl
TDS Balance (0.80 - 1.20)	0.820					1	A1030 E	03/16/09 00:00/kl

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.

Page 27 of 42



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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: R09020293-004
Client Sample ID: DewBurd GW698

Report Date: 04/14/09
Collection Date: 02/24/09 12:10
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/	DF	Method	Analysis Date / By
					QCL			
MAJOR IONS								
Alkalinity, Total as CaCO3	110	mg/L		5		1	A2320 B	03/03/09 14:24/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/03/09 14:24/mb
Bicarbonate as HCO3	134	mg/L		5		1	A2320 B	03/03/09 14:24/mb
Calcium	357	mg/L	D	6		5	E200.7	03/06/09 21:54/eli-c
Chloride	9	mg/L		1		1	E300.0	02/26/09 02:01/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	02/26/09 02:01/jmh
Magnesium	131	mg/L		0.5		5	E200.7	03/06/09 21:54/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	02/27/09 15:30/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/26/09 02:01/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/26/09 02:01/jmh
Potassium	15.5	mg/L		0.5		5	E200.7	03/06/09 21:54/eli-c
Sodium	86.5	mg/L		0.5		5	E200.7	03/06/09 21:54/eli-c
Sulfate	1240	mg/L	D	3		50	E300.0	02/26/09 01:12/jmh
Silica	10.2	mg/L		0.2		5	E200.7	03/06/09 21:54/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2360	umhos/cm		5.0		1	A2510 B	02/27/09 12:46/tb
Oxidation-Reduction Potential	110	mV				1	A2580 B	03/02/09 11:00/jmh
pH	6.82	s.u.		0.01		1	A4500-H B	02/27/09 10:54/tb
Sodium Adsorption Ratio (SAR)	0.99	unitless		0.10		1	Calculation	04/07/09 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	03/02/09 09:57/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	03/04/09 19:59/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	03/04/09 19:59/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/04/09 19:59/eli-c
Boron	ND	mg/L		0.1		5	E200.7	03/06/09 21:54/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/04/09 19:59/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/04/09 19:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/04/09 19:59/eli-c
Iron	2.03	mg/L		0.03		5	E200.7	03/06/09 21:54/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/04/09 19:59/eli-c
Manganese	2.45	mg/L		0.01		1	E200.8	03/04/09 19:59/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	03/04/09 19:59/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	03/04/09 19:59/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/04/09 19:59/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	03/09/09 10:47/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	03/04/09 19:59/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	03/04/09 19:59/eli-c
Uranium	0.108	mg/L		0.0003		1	E200.8	03/04/09 19:59/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 12 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-004
Client Sample ID: DewBurd GW698

Report Date: 04/14/09
Collection Date: 02/24/09 12:10
Date Received: 02/25/09
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	03/04/09 19:59/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/04/09 19:59/eli-c
METALS - SUSPENDED								
Uranium	0.0050	mg/L		0.0003		1	E200.8	03/10/09 03:24/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/06/09 14:00/eli-ce
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/09/09 13:39/eli-ce
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1270	pCi/L				1	E900.0	03/11/09 22:56/eli-ce
Gross Alpha precision (±)	35.4	pCi/L				1	E900.0	03/11/09 22:56/eli-ce
Gross Alpha MDC	9.5	pCi/L				1	E900.0	03/11/09 22:56/eli-ce
Gross Beta	357	pCi/L				1	E900.0	03/11/09 22:56/eli-ce
Gross Beta precision (±)	10.4	pCi/L				1	E900.0	03/11/09 22:56/eli-ce
Gross Beta MDC	9.6	pCi/L				1	E900.0	03/11/09 22:56/eli-ce
Lead 210	1.5	pCi/L	U			1	E909.0M	03/16/09 09:10/eli-c
Lead 210 precision (±)	1.6	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Lead 210 MDC	2.7	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Polonium 210	0.40	pCi/L	U			1	E912.0	03/10/09 13:10/eli-c
Polonium 210 MDC	0.51	pCi/L				1	E912.0	03/10/09 13:10/eli-c
Polonium 210 precision (±)	0.45	pCi/L				1	E912.0	03/10/09 13:10/eli-c
Radium 226	355	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Radium 226 precision (±)	3.1	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Thorium 230	0.03	pCi/L	U			1	E907.0	03/13/09 12:03/eli-c
Thorium 230 MDC	0.3	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Gross Gamma	420	pCi/L				1	E901.1	03/06/09 09:10/eli-c
Gross Gamma precision (±)	56	pCi/L				1	E901.1	03/06/09 09:10/eli-c
<p>- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.</p>								
RADIONUCLIDES - SUSPENDED								
Lead 210	4.5	pCi/L	U			1	E909.0M	03/11/09 10:11/eli-c
Lead 210 precision (±)	3.4	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Lead 210 MDC	5.7	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Polonium 210	0.78	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Polonium 210 precision (±)	0.62	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Polonium 210 MDC	0.61	pCi/L				1	E912.0	03/23/09 07:21/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 13 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-004
Client Sample ID: DewBurd GW698

Report Date: 04/14/09
Collection Date: 02/24/09 12:10
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226	11.0	pCi/L				1	E903.0	03/17/09 13:12/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	03/17/09 13:12/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	03/17/09 13:12/eli-c
Thorium 230	1	pCi/L				1	E907.0	03/14/09 15:06/eli-c
Thorium 230 MDC	0.4	pCi/L				1	E907.0	03/14/09 15:06/eli-c
Thorium 230 precision (±)	0.5	pCi/L				1	E907.0	03/14/09 15:06/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	38400	pCi/L		100		1	D5072-92	02/28/09 09:50/eli-c
Radon 222 precision (±)	279	pCi/L				1	D5072-92	02/28/09 09:50/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	03/10/09 04:18/eli-c
Arsenic	0.003	mg/L	L	0.002		1	E200.8	03/10/09 04:18/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/10/09 04:18/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	03/16/09 22:35/eli-c
Boron	ND	mg/L	D	0.2		5	E200.7	03/10/09 16:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/10/09 04:18/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/10/09 04:18/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/10/09 04:18/eli-c
Iron	4.37	mg/L		0.03		1	E200.8	03/10/09 04:18/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/10/09 04:18/eli-c
Manganese	2.7	mg/L	D	0.1		5	E200.7	03/10/09 16:41/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/02/09 11:15/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	03/16/09 22:35/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/10/09 04:18/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	03/10/09 04:18/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/10/09 04:18/eli-c
Strontium	4.7	mg/L		0.1		1	E200.8	03/10/09 04:18/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	03/10/09 04:18/eli-c
Uranium	0.113	mg/L		0.0003		1	E200.8	03/10/09 04:18/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/10/09 04:18/eli-c
DATA QUALITY								
A/C Balance (± 5)	7.55	%				1	A1030 E	04/14/09 00:00/ADM
Anions	28.4	meq/L				1	A1030 E	04/14/09 00:00/ADM
Cations	33.0	meq/L				1	A1030 E	04/14/09 00:00/ADM
Solids, Total Dissolved Calculated	1940	mg/L				1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit. MCL - Maximum contaminant level. Page 14 of 57
Definitions: QCL - Quality control limit. ND - Not detected at the reporting limit.
MDC - Minimum detectable concentration D - RL increased due to sample matrix interference.
L - Lowest available reporting limit for the analytical method used.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-004
Client Sample ID: DewBurd GW698

Report Date: 04/14/09
Collection Date: 02/24/09 12:10
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
DATA QUALITY									
TDS Balance (0.80 - 1.20)	1.15						1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 15 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-005
Client Sample ID: DewBurd GW698

Report Date: 04/14/09
Collection Date: 02/24/09 12:15
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	114	mg/L		5		1	A2320 B	03/03/09 14:28/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/03/09 14:28/mb
Bicarbonate as HCO3	139	mg/L		5		1	A2320 B	03/03/09 14:28/mb
Calcium	348	mg/L	D	6		5	E200.7	03/06/09 21:59/eli-c
Chloride	9	mg/L		1		1	E300.0	02/26/09 02:34/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	02/26/09 02:34/jmh
Magnesium	130	mg/L		0.5		5	E200.7	03/06/09 21:59/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	02/27/09 15:31/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/26/09 02:34/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/26/09 02:34/jmh
Potassium	15.5	mg/L		0.5		5	E200.7	03/06/09 21:59/eli-c
Sodium	85.5	mg/L		0.5		5	E200.7	03/06/09 21:59/eli-c
Sulfate	1380	mg/L	D	3		50	E300.0	02/26/09 02:18/jmh
Silica	10	mg/L		0.2		5	E200.7	03/06/09 21:59/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2390	umhos/cm		5.0		1	A2510 B	02/27/09 12:47/tb
Oxidation-Reduction Potential	110	mV				1	A2580 B	03/02/09 11:00/jmh
pH	6.78	s.u.		0.01		1	A4500-H B	02/27/09 11:00/tb
Sodium Adsorption Ratio (SAR)	0.99	unitless		0.10		1	Calculation	04/07/09 09:24/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	03/02/09 09:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	03/04/09 20:05/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	03/04/09 20:05/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/04/09 20:05/eli-c
Boron	ND	mg/L		0.1		5	E200.7	03/06/09 21:59/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/04/09 20:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/04/09 20:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/04/09 20:05/eli-c
Iron	1.16	mg/L		0.03		5	E200.7	03/06/09 21:59/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/04/09 20:05/eli-c
Manganese	2.42	mg/L		0.01		1	E200.8	03/04/09 20:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	03/04/09 20:05/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	03/04/09 20:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/04/09 20:05/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	03/09/09 10:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/04/09 20:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	03/04/09 20:05/eli-c
Uranium	0.104	mg/L		0.0003		1	E200.8	03/04/09 20:05/eli-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.

Page 16 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-005
Client Sample ID: DewBurd GW698

Report Date: 04/14/09
Collection Date: 02/24/09 12:15
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/			Method	Analysis Date / By
				RL	QCL	DF		
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	03/04/09 20:05/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/04/09 20:05/eli-c
METALS - SUSPENDED								
Uranium	0.0047	mg/L		0.0003		1	E200.8	03/10/09 03:28/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/06/09 14:02/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/09/09 13:39/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1490	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Alpha precision (±)	38.6	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Alpha MDC	9.7	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Beta	373	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Beta precision (±)	10.6	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Gross Beta MDC	9.6	pCi/L				1	E900.0	03/11/09 22:56/eli-ca
Lead 210	2.1	pCi/L	U			1	E909.0M	03/16/09 09:10/eli-c
Lead 210 precision (±)	1.6	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Lead 210 MDC	2.7	pCi/L				1	E909.0M	03/16/09 09:10/eli-c
Polonium 210	0.068	pCi/L	U			1	E912.0	03/10/09 13:10/eli-c
Polonium 210 MDC	0.51	pCi/L				1	E912.0	03/10/09 13:10/eli-c
Polonium 210 precision (±)	0.25	pCi/L				1	E912.0	03/10/09 13:10/eli-c
Radium 226	349	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Radium 226 precision (±)	3.0	pCi/L				1	E903.0	03/11/09 15:45/eli-c
Thorium 230	0.05	pCi/L	U			1	E907.0	03/13/09 12:03/eli-c
Thorium 230 MDC	0.2	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/13/09 12:03/eli-c
Gross Gamma	440	pCi/L				1	E901.1	03/06/09 09:10/eli-c
Gross Gamma precision (±)	56	pCi/L				1	E901.1	03/06/09 09:10/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - SUSPENDED								
Lead 210	1.1	pCi/L	U			1	E909.0M	03/11/09 10:11/eli-c
Lead 210 precision (±)	3.4	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Lead 210 MDC	5.7	pCi/L				1	E909.0M	03/11/09 10:11/eli-c
Polonium 210	1.1	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Polonium 210 precision (±)	0.82	pCi/L				1	E912.0	03/23/09 07:21/eli-c
Polonium 210 MDC	0.91	pCi/L				1	E912.0	03/23/09 07:21/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 17 of 57



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-005
Client Sample ID: DewBurd GW698

Report Date: 04/14/09
Collection Date: 02/24/09 12:15
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	12.5	pCi/L				1	E903.0	03/17/09 13:12/eli-c
Radium 226 precision (±)	1	pCi/L				1	E903.0	03/17/09 13:12/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	03/17/09 13:12/eli-c
Thorium 230	0.4	pCi/L	U			1	E907.0	03/14/09 15:06/eli-c
Thorium 230 MDC	0.4	pCi/L				1	E907.0	03/14/09 15:06/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	03/14/09 15:06/eli-c
- The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of about 5 pCi/L if we have sufficient sample to process 1.0 L, and this is reported on a sample specific basis. Please consult with your local regulatory agent prior to using these results for compliance purposes.								
RADIONUCLIDES - TOTAL								
Radon 222	42600	pCi/L		100		1	D5072-92	02/28/09 09:50/eli-c
Radon 222 precision (±)	293	pCi/L				1	D5072-92	02/28/09 09:50/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	03/10/09 04:25/eli-c
Arsenic	0.003	mg/L	L	0.002		1	E200.8	03/10/09 04:25/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/10/09 04:25/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	03/16/09 22:41/eli-c
Boron	ND	mg/L	D	0.2		5	E200.7	03/10/09 16:45/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/10/09 04:25/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/10/09 04:25/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/10/09 04:25/eli-c
Iron	4.28	mg/L		0.03		1	E200.8	03/10/09 04:25/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/10/09 04:25/eli-c
Manganese	2.6	mg/L	D	0.1		5	E200.7	03/10/09 16:45/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/02/09 11:22/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	03/16/09 22:41/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/10/09 04:25/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	03/10/09 04:25/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/10/09 04:25/eli-c
Strontium	4.7	mg/L		0.1		1	E200.8	03/10/09 04:25/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	03/10/09 04:25/eli-c
Uranium	0.110	mg/L		0.0003		1	E200.8	03/10/09 04:25/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/10/09 04:25/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.91	%				1	A1030 E	04/14/09 00:00/ADM
Anions	31.2	meq/L				1	A1030 E	04/14/09 00:00/ADM
Cations	32.5	meq/L				1	A1030 E	04/14/09 00:00/ADM
Solids, Total Dissolved Calculated	2060	mg/L				1	A1030 E	04/14/09 00:00/ADM

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
L - Lowest available reporting limit for the analytical method used.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.
U - Not detected at minimum detectable concentration

Page 18 of 57



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R09020293-005
Client Sample ID: DewBurd GW698

Report Date: 04/14/09
Collection Date: 02/24/09 12:15
Date Received: 02/25/09
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
DATA QUALITY									
TDS Balance (0.80 - 1.20)	1.09						1	A1030 E	04/14/09 00:00/ADM

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 19 of 57



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10010180-002
Client Sample ID: DB-09-21-02

Report Date: 02/27/10
Collection Date: 01/18/10
Date Received: 01/19/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	196	mg/L		5		1	A2320 B	01/26/10 15:08/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	01/26/10 15:08/mb
Bicarbonate as HCO ₃	239	mg/L		5		1	A2320 B	01/26/10 15:08/mb
Calcium	172	mg/L	D	1		5	E200.7	02/02/10 16:57/el-c
Chloride	10	mg/L		1		1	E300.0	01/20/10 17:55/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	01/20/10 17:55/jmh
Magnesium	49.0	mg/L		0.5		5	E200.7	02/02/10 16:57/el-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	01/19/10 12:19/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	01/20/10 17:55/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	01/20/10 17:55/jmh
Potassium	12.4	mg/L		0.5		5	E200.7	02/02/10 16:57/el-c
Sodium	127	mg/L	D	1		5	E200.7	02/02/10 16:57/el-c
Sulfate	714	mg/L		1		20	E300.0	01/20/10 17:39/jmh
Silica	9.1	mg/L		0.2		5	E200.7	02/02/10 16:57/el-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1620	umhos/cm		5.0		1	A2510 B	01/21/10 09:18/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	01/25/10 16:00/jmh
pH	7.63	s.u.		0.01		1	A4500-H B	01/22/10 12:10/tb
Sodium Adsorption Ratio (SAR)	2.2	unitless		0.10		1	Calculation	02/05/10 15:38/ADM
Solids, Total Dissolved TDS @ 180 C	1200	mg/L		5		1	A2540 C	01/25/10 10:53/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	01/27/10 15:54/el-c
Arsenic	0.003	mg/L		0.001		1	E200.8	01/27/10 15:54/el-c
Barium	ND	mg/L		0.1		1	E200.8	01/27/10 15:54/el-c
Boron	ND	mg/L		0.1		5	E200.7	02/02/10 16:57/el-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/27/10 15:54/el-c
Chromium	ND	mg/L		0.05		1	E200.8	01/27/10 15:54/el-c
Copper	ND	mg/L		0.01		1	E200.8	01/27/10 15:54/el-c
Iron	ND	mg/L		0.03		5	E200.7	02/02/10 16:57/el-c
Lead	ND	mg/L		0.001		1	E200.8	01/27/10 15:54/el-c
Manganese	0.52	mg/L		0.01		1	E200.8	01/27/10 15:54/el-c
Mercury	ND	mg/L		0.001		1	E200.8	01/27/10 15:54/el-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/27/10 15:54/el-c
Nickel	ND	mg/L		0.05		1	E200.8	01/27/10 15:54/el-c
Selenium	ND	mg/L		0.001		1	A3114 B	01/26/10 12:15/el-ca
Silver	ND	mg/L		0.005		1	E200.8	01/27/10 15:54/el-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/27/10 15:54/el-c

Report RL - Analyte reporting limit.

Definitions: QCL - Quality control limit.

D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit

Page 5 of 8



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10010180-002
Client Sample ID: DB-09-21-02

Report Date: 02/27/10
Collection Date: 01/18/10
Date Received: 01/19/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	MCL/		DF	Method	Analysis Date / By
				RL	QCL			
METALS - DISSOLVED								
Uranium	0.0089	mg/L		0.0003		1	E200.8	01/27/10 15:54/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	01/27/10 15:54/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/27/10 15:54/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/02/10 04:40/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/26/10 10:39/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	01/26/10 14:36/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	39.7	pCi/L				1	E900.0	02/06/10 01:58/eli-ca
Gross Alpha precision (±)	6.7	pCi/L				1	E900.0	02/06/10 01:58/eli-ca
Gross Alpha MDC	7.4	pCi/L				1	E900.0	02/06/10 01:58/eli-ca
Gross Beta	18.3	pCi/L				1	E900.0	02/06/10 01:58/eli-ca
Gross Beta precision (±)	4.0	pCi/L				1	E900.0	02/06/10 01:58/eli-ca
Gross Beta MDC	6.2	pCi/L				1	E900.0	02/06/10 01:58/eli-ca
Lead 210	1.1	pCi/L	U			1	E909.0M	02/09/10 11:19/eli-c
Lead 210 precision (±)	1.7	pCi/L				1	E909.0M	02/09/10 11:19/eli-c
Lead 210 MDC	2.8	pCi/L				1	E909.0M	02/09/10 11:19/eli-c
Polonium 210	0.074	pCi/L	U			1	E912.0	02/19/10 08:46/eli-c
Polonium 210 MDC	1.4	pCi/L				1	E912.0	02/19/10 08:46/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	E912.0	02/19/10 08:46/eli-c
Radium 226	2.7	pCi/L				1	E903.0	02/02/10 11:19/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	02/02/10 11:19/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	02/02/10 11:19/eli-c
Thorium 230	0.01	pCi/L	U			1	E907.0	01/26/10 09:42/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	01/26/10 09:42/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	01/26/10 09:42/eli-c
Gross Gamma	820	pCi/L				1	E901.1	01/23/10 20:28/eli-c
Gross Gamma precision (±)	130	pCi/L				1	E901.1	01/23/10 20:28/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	2.6	pCi/L	U			1	E909.0M	02/09/10 11:19/eli-c
Lead 210 precision (±)	4.3	pCi/L				1	E909.0M	02/09/10 11:19/eli-c
Lead 210 MDC	7.1	pCi/L				1	E909.0M	02/09/10 11:19/eli-c
Polonium 210	0.12	pCi/L	U			1	E912.0	02/17/10 08:48/eli-c

Report: RL - Analyte reporting limit.
Definitions: 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

Page 6 of 8



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10010180-002
Client Sample ID: DB-09-21-02

Report Date: 02/27/10
Collection Date: 01/18/10
Date Received: 01/19/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Polonium 210 precision (±)	0.94	pCi/L				1	E912.0	02/17/10 08:48/eli-c
Polonium 210 MDC	2.1	pCi/L				1	E912.0	02/17/10 08:48/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	02/04/10 08:48/eli-cal
Radium 226 precision (±)	0.04	pCi/L				1	E903.0	02/04/10 08:48/eli-cal
Radium 226 MDC	0.08	pCi/L				1	E903.0	02/04/10 08:48/eli-cal
Thorium 230	0.06	pCi/L	U			1	E907.0	02/02/10 15:49/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	02/02/10 15:49/eli-c
- See Case Narrative regarding Pb210 analysis.								
- See Case Narrative regarding Po210 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	270	pCi/L		100		1	D5072-92	12/20/09 00:00/ADM
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	01/28/10 16:28/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	01/28/10 16:28/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/28/10 16:28/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	01/28/10 16:28/eli-c
Boron	ND	mg/L		0.1		1	E200.8	02/01/10 20:38/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/28/10 16:28/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/28/10 16:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/28/10 16:28/eli-c
Iron	0.03	mg/L		0.03		1	E200.8	02/01/10 20:38/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/28/10 16:28/eli-c
Manganese	0.54	mg/L		0.01		1	E200.8	01/28/10 16:28/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	01/21/10 14:56/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	01/28/10 16:28/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/28/10 16:28/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	01/28/10 16:28/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/28/10 16:28/eli-c
Strontium	2.4	mg/L		0.1		1	E200.8	01/28/10 16:28/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	01/28/10 16:28/eli-c
	0.0087	mg/L		0.0003			E200.8	01/28/10 16:28/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/28/10 16:28/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.62	%				1	A1030 E	02/05/10 00:00/jmh
Anions	19.1	meq/L				1	A1030 E	02/05/10 00:00/jmh
Cations	18.5	meq/L				1	A1030 E	02/05/10 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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

Page 7 of 8



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10010180-002
Client Sample ID: DB-09-21-02

Report Date: 02/27/10
Collection Date: 01/18/10
Date Received: 01/19/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								
Solids, Total Dissolved Calculated	1230	mg/L				1	A1030 E	02/05/10 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	02/05/10 00:00/jmh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit

Page 8 of 8



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10020266-002
Client Sample ID: DB-09-21-02

Revised Date: 09/10/10
Report Date: 03/29/10
Collection Date: 02/22/10
Date Received: 02/23/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	190	mg/L		5		1	A2320 B	03/01/10 12:38/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	03/01/10 12:38/mb
Bicarbonate as HCO ₃	232	mg/L		5		1	A2320 B	03/01/10 12:38/mb
Calcium	166	mg/L	D	1		5	E200.7	03/04/10 19:23/eli-c
Chloride	9.9	mg/L		0.5		1	E300.0	02/23/10 20:39/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	02/23/10 20:39/jmh
Magnesium	48.0	mg/L		0.5		5	E200.7	03/04/10 19:23/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	02/26/10 14:14/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/23/10 20:39/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/23/10 20:39/jmh
Potassium	12.3	mg/L		0.5		5	E200.7	03/04/10 19:23/eli-c
Sodium	126	mg/L	D	1		5	E200.7	03/04/10 19:23/eli-c
Sulfate	677	mg/L		1		20	E300.0	02/23/10 20:23/jmh
Silica	8.8	mg/L		0.2		5	E200.7	03/04/10 19:23/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1160	umhos/cm		5.0		1	A2510 B	03/02/10 15:50/tb
Oxidation-Reduction Potential	230	mV				1	A2580 B	03/01/10 15:00/jmh
pH	7.57	s.u.		0.01		1	A4500-H B	02/25/10 10:17/tb
Sodium Adsorption Ratio (SAR)	2.2	unitless		0.10		1	Calculation	03/19/10 08:36/ADM
Solids, Total Dissolved TDS @ 180 C	1300	mg/L		5		1	A2540 C	02/25/10 15:59/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/26/10 22:48/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	02/26/10 22:48/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/26/10 22:48/eli-c
Boron	ND	mg/L		0.1		5	E200.7	03/04/10 19:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/26/10 22:48/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/26/10 22:48/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/26/10 22:48/eli-c
Iron	ND	mg/L		0.03		5	E200.7	03/04/10 19:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/26/10 22:48/eli-c
Manganese	0.48	mg/L		0.01		1	E200.8	02/26/10 22:48/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/26/10 22:48/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/26/10 22:48/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/26/10 22:48/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/10 15:31/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	02/26/10 22:48/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/26/10 22:48/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10020266-002
Client Sample ID: DB-09-21-02

Revised Date: 09/10/10
Report Date: 03/29/10
Collection Date: 02/22/10
Date Received: 02/23/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	0.0079	mg/L		0.0003		1	E200.8	02/26/10 22:48/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/26/10 22:48/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/26/10 22:48/eli-c
METALS - SUSPENDED								
Uranium	0.0011	mg/L	B	0.0003		1	E200.8	03/06/10 00:35/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/25/10 13:53/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/10 15:50/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	37.9	pCi/L				1	E900.0	03/05/10 00:36/eli-ca
Gross Alpha precision (±)	5.9	pCi/L				1	E900.0	03/05/10 00:36/eli-ca
Gross Alpha MDC	6.1	pCi/L				1	E900.0	03/05/10 00:36/eli-ca
Gross Beta	27.5	pCi/L				1	E900.0	03/05/10 00:36/eli-ca
Gross Beta precision (±)	4.0	pCi/L				1	E900.0	03/05/10 00:36/eli-ca
Gross Beta MDC	5.9	pCi/L				1	E900.0	03/05/10 00:36/eli-ca
Lead 210	-0.1	pCi/L	U			1	E909.0M	03/12/10 10:16/eli-c
Lead 210 precision (±)	0.8	pCi/L				1	E909.0M	03/12/10 10:16/eli-c
Lead 210 MDC	1.3	pCi/L				1	E909.0M	03/12/10 10:16/eli-c
Polonium 210	0.23	pCi/L	U			1	E912.0	03/15/10 08:48/eli-ca
Polonium 210 MDC	0.64	pCi/L				1	E912.0	03/15/10 08:48/eli-ca
Polonium 210 precision (±)	0.39	pCi/L				1	E912.0	03/15/10 08:48/eli-ca
Radium 226	2.3	pCi/L				1	E903.0	03/09/10 13:45/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	03/09/10 13:45/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	03/09/10 13:45/eli-c
Thorium 230	-0.01	pCi/L	U			1	E907.0	03/08/10 16:08/eli-ca
Thorium 230 MDC	0.2	pCi/L				1	E907.0	03/08/10 16:08/eli-ca
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	03/08/10 16:08/eli-ca
Gross Gamma	ND	pCi/L		20		1	E901.1	02/26/10 17:33/eli-ca
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	02/26/10 17:33/eli-ca
RADIONUCLIDES - SUSPENDED								
Lead 210	0.3	pCi/L	U			1	E909.0M	03/23/10 07:42/eli-c
Lead 210 precision (±)	1.6	pCi/L				1	E909.0M	03/23/10 07:42/eli-c
Lead 210 MDC	2.8	pCi/L				1	E909.0M	03/23/10 07:42/eli-c
Polonium 210	-0.096	pCi/L	U			1	E912.0	03/15/10 12:17/eli-ca
Polonium 210 precision (±)	0.26	pCi/L				1	E912.0	03/15/10 12:17/eli-ca

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10020266-002
Client Sample ID: DB-09-21-02

Revised Date: 09/10/10
Report Date: 03/29/10
Collection Date: 02/22/10
Date Received: 02/23/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Polonium 210 MDC	0.73	pCi/L				1	E912.0	03/15/10 12:17/eli-ca
Radium 226	0.37	pCi/L	U			1	E903.0	03/09/10 17:27/eli-ca
Radium 226 precision (±)	0.07	pCi/L				1	E903.0	03/09/10 17:27/eli-ca
Radium 226 MDC	0.1	pCi/L				1	E903.0	03/09/10 17:27/eli-ca
Thorium 230	-0.07	pCi/L	U			1	E907.0	03/09/10 13:24/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	03/09/10 13:24/eli-c
- See Case Narrative regarding Pb210 analysis								
RADIONUCLIDES - TOTAL								
Radon 222	313	pCi/L		100		1	D5072-92	02/24/10 00:00/ki
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/26/10 22:55/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	02/26/10 22:55/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/26/10 22:55/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/26/10 22:55/eli-c
Boron	ND	mg/L		0.1		5	E200.8	03/02/10 22:24/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/26/10 22:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/26/10 22:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/26/10 22:55/eli-c
Iron	0.07	mg/L		0.03		5	E200.8	03/02/10 22:24/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/26/10 22:55/eli-c
Manganese	0.50	mg/L		0.01		1	E200.8	02/26/10 22:55/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	02/25/10 15:03/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	02/26/10 22:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/26/10 22:55/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/26/10 22:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/26/10 22:55/eli-c
Strontium	2.5	mg/L		0.1		1	E200.8	02/26/10 22:55/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/26/10 22:55/eli-c
Uranium	0.0080	mg/L		0.0003		1	E200.8	02/26/10 22:55/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/26/10 22:55/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.440	%				1	A1030 E	03/22/10 00:00/jmh
Anions	18.2	meq/L				1	A1030 E	03/22/10 00:00/jmh
Cations	18.0	meq/L				1	A1030 E	03/22/10 00:00/jmh
Solids, Total Dissolved Calculated	1540	mg/L				1	A1030 E	03/22/10 00:00/jmh
TDS Balance (0.80 - 1.20)	1.08					1	A1030 E	03/22/10 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10030205-003
Client Sample ID: DB-09-21-02

Report Date: 05/03/10
Collection Date: 03/15/10
Date Received: 03/17/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	200	mg/L	H	5		1	A2320 B	03/30/10 09:58/mb
Carbonate as CO ₃	ND	mg/L	H	5		1	A2320 B	03/30/10 09:58/mb
Bicarbonate as HCO ₃	244	mg/L	H	5		1	A2320 B	03/30/10 09:58/mb
Calcium	166	mg/L	D	1		5	E200.7	03/19/10 13:31/eli-c
Chloride	10	mg/L		1		1	E300.0	03/18/10 19:56/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	03/18/10 19:56/jmh
Magnesium	46.6	mg/L		0.5		5	E200.7	03/19/10 13:31/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	03/23/10 11:29/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/18/10 19:56/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/18/10 19:56/jmh
Potassium	11.3	mg/L		0.5		5	E200.7	03/19/10 13:31/eli-c
Sodium	124	mg/L	D	1		5	E200.7	03/19/10 13:31/eli-c
Sulfate	666	mg/L		1		20	E300.0	03/18/10 19:39/jmh
Silica	8.3	mg/L		0.2		5	E200.7	03/19/10 13:31/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1570	umhos/cm		5.0		1	A2510 B	03/19/10 11:03/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	03/22/10 15:30/jmh
pH	7.48	s.u.		0.01		1	A4500-H B	03/19/10 10:11/tb
Sodium Adsorption Ratio (SAR)	2.2	unitless		0.10		1	Calculation	04/08/10 14:52/ADM
Solids, Total Dissolved TDS @ 180 C	1200	mg/L		5		1	A2540 C	03/19/10 13:57/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	03/19/10 13:31/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	03/20/10 02:28/eli-c
Barium	ND	mg/L		0.1		5	E200.7	03/19/10 13:31/eli-c
Boron	ND	mg/L		0.1		5	E200.7	03/19/10 13:31/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/20/10 02:28/eli-c
Chromium	ND	mg/L		0.05		5	E200.7	03/19/10 13:31/eli-c
Copper	ND	mg/L		0.01		5	E200.7	03/19/10 13:31/eli-c
Iron	ND	mg/L		0.03		5	E200.7	03/19/10 13:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/20/10 02:28/eli-c
Manganese	0.53	mg/L		0.01		5	E200.7	03/19/10 13:31/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	03/20/10 02:28/eli-c
Molybdenum	ND	mg/L		0.1		5	E200.7	03/19/10 13:31/eli-c
Nickel	ND	mg/L		0.05		5	E200.7	03/19/10 13:31/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	03/22/10 14:38/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	03/23/10 16:29/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	03/23/10 16:29/eli-c

Report RL - Analyte reporting limit.

Definitions: 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.

Page 9 of 12



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10030205-003
Client Sample ID: DB-09-21-02

Report Date: 05/03/10
Collection Date: 03/15/10
Date Received: 03/17/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0078	mg/L		0.0003		1	E200.8	03/20/10 02:28/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	03/20/10 02:28/eli-c
Zinc	ND	mg/L		0.01		5	E200.7	03/19/10 13:31/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/23/10 23:43/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/22/10 13:03/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/22/10 14:55/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	11.2	pCi/L				1	E900.0	04/17/10 10:27/eli-ca
Gross Alpha precision (±)	3.8	pCi/L				1	E900.0	04/17/10 10:27/eli-ca
Gross Alpha MDC	5.1	pCi/L				1	E900.0	04/17/10 10:27/eli-ca
Gross Beta	19.7	pCi/L				1	E900.0	04/17/10 10:27/eli-ca
Gross Beta precision (±)	2.9	pCi/L				1	E900.0	04/17/10 10:27/eli-ca
Gross Beta MDC	4.3	pCi/L				1	E900.0	04/17/10 10:27/eli-ca
Lead 210	0.7	pCi/L	U			1	E909.0M	04/03/10 08:20/eli-c
Lead 210 precision (±)	1.7	pCi/L				1	E909.0M	04/03/10 08:20/eli-c
Lead 210 MDC	2.8	pCi/L				1	E909.0M	04/03/10 08:20/eli-c
Polonium 210	0.0	pCi/L	U			1	E912.0	03/26/10 08:55/eli-c
Polonium 210 MDC	0.42	pCi/L				1	E912.0	03/26/10 08:55/eli-c
Polonium 210 precision (±)	0.17	pCi/L				1	E912.0	03/26/10 08:55/eli-c
Radium 226	2.9	pCi/L				1	E903.0	03/29/10 17:02/eli-ca
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	03/29/10 17:02/eli-ca
Radium 226 MDC	0.1	pCi/L				1	E903.0	03/29/10 17:02/eli-ca
Thorium 230	-0.01	pCi/L	U			1	E907.0	03/23/10 08:45/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	03/23/10 08:45/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	03/23/10 08:45/eli-c
Gross Gamma	990	pCi/L		20		1	E901.1	03/22/10 09:00/eli-c
Gross Gamma precision (±)	150	pCi/L				1	E901.1	03/22/10 09:00/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	0.7	pCi/L	U			1	E909.0M	04/02/10 12:04/eli-c
Lead 210 precision (±)	1.7	pCi/L				1	E909.0M	04/02/10 12:04/eli-c
Lead 210 MDC	2.9	pCi/L				1	E909.0M	04/02/10 12:04/eli-c
Polonium 210	0.061	pCi/L	U			1	E912.0	04/06/10 08:44/eli-c

Report RL - Analyte reporting limit.
Definitions: 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

Page 10 of 12



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10030205-003
Client Sample ID: DB-09-21-02

Report Date: 05/03/10
Collection Date: 03/15/10
Date Received: 03/17/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Polonium 210 precision (±)	0.18	pCi/L				1	E912.0	04/06/10 08:44/eli-c
Polonium 210 MDC	0.34	pCi/L				1	E912.0	04/06/10 08:44/eli-c
Radium 226	0.2	pCi/L				1	E903.0	03/29/10 23:54/eli-cal
Radium 226 precision (±)	0.08	pCi/L				1	E903.0	03/29/10 23:54/eli-cal
Radium 226 MDC	0.08	pCi/L				1	E903.0	03/29/10 23:54/eli-cal
Thorium 230	-0.001	pCi/L	U			1	E907.0	03/23/10 17:02/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	03/23/10 17:02/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	319	pCi/L		100		1	D5072-92	03/18/10 00:00/kl
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	03/22/10 12:55/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	03/22/10 12:55/eli-c
Barium	ND	mg/L		0.1		1	E200.8	03/22/10 12:55/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	03/22/10 12:55/eli-c
Boron	0.1	mg/L		0.1		5	E200.7	03/23/10 14:30/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/22/10 12:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	03/22/10 12:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/22/10 12:55/eli-c
Iron	0.15	mg/L	D	0.04		5	E200.7	03/23/10 14:30/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/22/10 12:55/eli-c
Manganese	0.56	mg/L		0.01		1	E200.8	03/22/10 12:55/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/22/10 12:14/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	03/22/10 12:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/22/10 12:55/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	03/22/10 12:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/22/10 12:55/eli-c
Strontium	2.4	mg/L		0.1		1	E200.8	03/22/10 12:55/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	03/22/10 12:55/eli-c
Uranium	0.0088	mg/L		0.0003		1	E200.8	03/22/10 12:55/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	03/22/10 12:55/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.990	%				1	A1030 E	04/08/10 00:00/jmh
Anions	18.2	meq/L				1	A1030 E	04/08/10 00:00/jmh
Cations	17.8	meq/L				1	A1030 E	04/08/10 00:00/jmh
Solids, Total Dissolved Calculated	1170	mg/L				1	A1030 E	04/08/10 00:00/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.

Page 11 of 12



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10030205-003
Client Sample ID: DB-09-21-02

Report Date: 05/03/10
Collection Date: 03/15/10
Date Received: 03/17/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL				
DATA QUALITY									
TDS Balance (0.80 - 1.20)	1.06						1	A1030 E	04/08/10 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

Page 12 of 12



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10040303-002
Client Sample ID: DB-09-21-02

Report Date: 06/15/10
Collection Date: 04/21/10
Date Received: 04/22/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	198	mg/L		5		1	A2320 B	04/29/10 17:22/ch
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	04/29/10 17:22/ch
Bicarbonate as HCO ₃	241	mg/L		5		1	A2320 B	04/29/10 17:22/ch
Calcium	173	mg/L	D	1		5	E200.7	04/26/10 19:23/eli-c
Chloride	9	mg/L		1		1	E300.0	04/22/10 23:54/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	04/22/10 23:54/jmh
Magnesium	48.6	mg/L		0.5		5	E200.7	04/26/10 19:23/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	05/04/10 16:51/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/22/10 23:54/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/22/10 23:54/jmh
Potassium	11.9	mg/L		0.5		5	E200.7	04/26/10 19:23/eli-c
Sodium	134	mg/L	D	1		5	E200.7	04/26/10 19:23/eli-c
Sulfate	659	mg/L		1		20	E300.0	05/07/10 03:19/jmh
Silica	9.0	mg/L		0.2		5	E200.7	04/26/10 19:23/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1600	umhos/cm		5.0		1	A2510 B	04/27/10 10:48/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	04/28/10 16:00/jmh
pH	7.50	s.u.		0.01		1	A4500-H B	04/23/10 10:58/tb
Sodium Adsorption Ratio (SAR)	2.3	unitless		0.10		1	Calculation	05/03/10 10:11/ADM
Solids, Total Dissolved TDS @ 180 C	1200	mg/L		5		1	A2540 C	04/26/10 15:18/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	04/26/10 19:23/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	04/26/10 18:18/eli-c
Barium	ND	mg/L		0.1		5	E200.7	04/26/10 19:23/eli-c
Boron	0.1	mg/L		0.1		5	E200.7	04/26/10 19:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/26/10 18:18/eli-c
Chromium	ND	mg/L		0.05		5	E200.7	04/26/10 19:23/eli-c
Copper	ND	mg/L		0.01		5	E200.7	04/26/10 19:23/eli-c
Iron	ND	mg/L		0.03		5	E200.7	04/26/10 19:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/26/10 18:18/eli-c
Manganese	0.56	mg/L		0.01		5	E200.7	04/26/10 19:23/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/26/10 18:18/eli-c
Molybdenum	ND	mg/L		0.1		5	E200.7	04/26/10 19:23/eli-c
Nickel	ND	mg/L		0.05		5	E200.7	04/26/10 19:23/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/26/10 14:30/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	04/26/10 18:18/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/27/10 23:32/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10040303-002
Client Sample ID: DB-09-21-02

Report Date: 06/15/10
Collection Date: 04/21/10
Date Received: 04/22/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	0.0084	mg/L		0.0003		1	E200.8	04/26/10 18:18/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/26/10 18:18/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/27/10 23:32/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/28/10 22:35/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/26/10 10:34/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/26/10 15:45/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	56.3	pCi/L				1	E900.0	05/04/10 00:09/eli-ca
Gross Alpha precision (±)	7.1	pCi/L				1	E900.0	05/04/10 00:09/eli-ca
Gross Alpha MDC	6.2	pCi/L				1	E900.0	05/04/10 00:09/eli-ca
Gross Beta	32.7	pCi/L				1	E900.0	05/04/10 00:09/eli-ca
Gross Beta precision (±)	3.6	pCi/L				1	E900.0	05/04/10 00:09/eli-ca
Gross Beta MDC	5.1	pCi/L				1	E900.0	05/04/10 00:09/eli-ca
Lead 210	-2	pCi/L	U			1	E909.0M	05/07/10 15:03/eli-c
Lead 210 precision (±)	1.6	pCi/L				1	E909.0M	05/07/10 15:03/eli-c
Lead 210 MDC	2.7	pCi/L				1	E909.0M	05/07/10 15:03/eli-c
Polonium 210	-0.0025	pCi/L	U			1	E912.0	05/04/10 15:33/eli-ca
Polonium 210 MDC	0.60	pCi/L				1	E912.0	05/04/10 15:33/eli-ca
Polonium 210 precision (±)	0.24	pCi/L				1	E912.0	05/04/10 15:33/eli-ca
Radium 226	4.3	pCi/L				1	E903.0	05/01/10 18:26/eli-ca
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	05/01/10 18:26/eli-ca
Radium 226 MDC	0.2	pCi/L				1	E903.0	05/01/10 18:26/eli-ca
Thorium 230	0.004	pCi/L	U			1	E907.0	04/27/10 16:58/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	04/27/10 16:58/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	04/27/10 16:58/eli-c
Gross Gamma	960	pCi/L				1	E901.1	04/27/10 09:00/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	04/27/10 09:00/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	0.7	pCi/L	U			1	E909.0M	05/09/10 05:17/eli-c
Lead 210 precision (±)	3.1	pCi/L				1	E909.0M	05/09/10 05:17/eli-c
Lead 210 MDC	5.2	pCi/L				1	E909.0M	05/09/10 05:17/eli-c
Polonium 210	0.14	pCi/L	U			1	E912.0	05/04/10 13:24/eli-ca
Polonium 210 precision (±)	0.29	pCi/L				1	E912.0	05/04/10 13:24/eli-ca
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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10040303-002
Client Sample ID: DB-09-21-02

Report Date: 06/15/10
Collection Date: 04/21/10
Date Received: 04/22/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Polonium 210 MDC	0.48	pCi/L				1	E912.0	05/04/10 13:24/eli-ca
Radium 226	0.03	pCi/L	U			1	E903.0	05/05/10 17:03/eli-ca
Radium 226 precision (±)	0.08	pCi/L				1	E903.0	05/05/10 17:03/eli-ca
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/05/10 17:03/eli-ca
Thorium 230	0.1	pCi/L	U			1	E907.0	04/30/10 08:55/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/30/10 08:55/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	303	pCi/L		100		1	D5072-92	04/23/10 00:00/lkl
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/26/10 18:25/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/26/10 18:25/eli-c
Barium	ND	mg/L		0.1		5	E200.7	04/26/10 22:48/eli-c
Beryllium	ND	mg/L		0.001		5	E200.7	04/26/10 22:48/eli-c
Boron	ND	mg/L		0.1		5	E200.7	04/26/10 22:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/26/10 18:25/eli-c
Chromium	ND	mg/L		0.05		5	E200.7	04/26/10 22:48/eli-c
Copper	ND	mg/L		0.01		5	E200.7	04/26/10 22:48/eli-c
Iron	ND	mg/L	D	0.04		5	E200.7	04/26/10 22:48/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/26/10 18:25/eli-c
Manganese	0.57	mg/L		0.01		5	E200.7	04/26/10 22:48/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/26/10 12:08/eli-b
Molybdenum	ND	mg/L		0.1		5	E200.7	04/26/10 22:48/eli-c
Nickel	ND	mg/L		0.05		5	E200.7	04/26/10 22:48/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/26/10 18:25/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/26/10 18:25/eli-c
Strontium	2.4	mg/L		0.1		5	E200.7	04/26/10 22:48/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/26/10 18:25/eli-c
Uranium	0.0083	mg/L		0.0003		1	E200.8	04/26/10 18:25/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/27/10 23:39/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.25	%				1	A1030 E	06/15/10 00:00/lkl
Anions	18.0	meq/L				1	A1030 E	06/15/10 00:00/lkl
Cations	18.8	meq/L				1	A1030 E	06/15/10 00:00/lkl
Solids, Total Dissolved Calculated	1180	mg/L				1	A1030 E	06/15/10 00:00/lkl
TDS Balance (0.80 - 1.20)	1.06					1	A1030 E	06/15/10 00:00/lkl

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.



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10050253-002
Client Sample ID: DB-09-21-02

Revised Date: 09/10/10
Report Date: 06/29/10
Collection Date: 05/17/10
Date Received: 05/18/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	200	mg/L		5		1	A2320 B	05/27/10 11:08/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/27/10 11:08/mb
Bicarbonate as HCO3	244	mg/L		5		1	A2320 B	05/27/10 11:08/mb
Calcium	168	mg/L	D	1		5	E200.7	05/25/10 14:37/eli-c
Chloride	10	mg/L		5		1	E300.0	05/22/10 12:35/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/19/10 02:07/jmh
Magnesium	47.2	mg/L		0.5		5	E200.7	05/25/10 14:37/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/02/10 13:58/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/19/10 02:07/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/19/10 02:07/jmh
Potassium	11.7	mg/L		0.5		5	E200.7	05/25/10 14:37/eli-c
Sodium	130	mg/L	D	1		5	E200.7	05/25/10 14:37/eli-c
Sulfate	694	mg/L		1		20	E300.0	05/19/10 01:51/jmh
Silica	6.7	mg/L		0.2		1	E200.8	05/24/10 23:21/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1520	umhos/cm	B	5.0		1	A2510 B	05/20/10 17:15/tb
Oxidation-Reduction Potential	260	mV				1	A2580 B	05/24/10 17:30/jmh
pH	7.47	s.u.		0.01		1	A4500-H B	05/20/10 16:32/tb
Sodium Adsorption Ratio (SAR)	2.3	unitless		0.10		1	Calculation	06/28/10 17:08/ADM
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		5		1	A2540 C	05/24/10 16:43/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	05/24/10 23:21/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/24/10 23:21/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/24/10 23:21/eli-c
Boron	ND	mg/L		0.1		1	E200.8	05/24/10 23:21/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/24/10 23:21/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/24/10 23:21/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/24/10 23:21/eli-c
Iron	ND	mg/L		0.03		1	E200.8	05/24/10 23:21/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/24/10 23:21/eli-c
Manganese	0.54	mg/L		0.01		1	E200.8	05/24/10 23:21/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/24/10 23:21/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/24/10 23:21/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/24/10 23:21/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/26/10 18:20/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/24/10 23:21/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/24/10 23:21/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
B - The analyte was detected in the method blank.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10050253-002
Client Sample ID: DB-09-21-02

Revised Date: 09/10/10
Report Date: 06/29/10
Collection Date: 05/17/10
Date Received: 05/18/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0086	mg/L		0.0003		1	E200.8	05/24/10 23:21/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	05/24/10 23:21/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/24/10 23:21/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/02/10 08:42/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/26/10 16:41/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/27/10 10:48/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	40.1	pCi/L				1	E900.0	05/29/10 13:27/eli-ca
Gross Alpha precision (±)	6.3	pCi/L				1	E900.0	05/29/10 13:27/eli-ca
Gross Alpha MDC	6.7	pCi/L				1	E900.0	05/29/10 13:27/eli-ca
Gross Beta	25.7	pCi/L				1	E900.0	05/29/10 13:27/eli-ca
Gross Beta precision (±)	3.3	pCi/L				1	E900.0	05/29/10 13:27/eli-ca
Gross Beta MDC	4.7	pCi/L				1	E900.0	05/29/10 13:27/eli-ca
Lead 210	2.2	pCi/L	U			1	E909.0M	06/11/10 18:01/eli-c
Lead 210 precision (±)	1.7	pCi/L				1	E909.0M	06/11/10 18:01/eli-c
Lead 210 MDC	2.9	pCi/L				1	E909.0M	06/11/10 18:01/eli-c
Polonium 210	-0.060	pCi/L	U			1	E912.0	06/07/10 08:47/eli-ca
Polonium 210 MDC	1.1	pCi/L				1	E912.0	06/07/10 08:47/eli-ca
Polonium 210 precision (±)	0.39	pCi/L				1	E912.0	06/07/10 08:47/eli-ca
Radium 226	1.9	pCi/L				1	E903.0	06/02/10 12:29/eli-ca
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/02/10 12:29/eli-ca
Radium 226 MDC	0.2	pCi/L				1	E903.0	06/02/10 12:29/eli-ca
Thorium 230	0.006	pCi/L	U			1	E907.0	05/27/10 08:45/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	05/27/10 08:45/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	05/27/10 08:45/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	05/27/10 06:15/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	05/27/10 06:15/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	-1	pCi/L	U			1	E909.0M	06/13/10 18:37/eli-c
Lead 210 precision (±)	3.6	pCi/L				1	E909.0M	06/13/10 18:37/eli-c
Lead 210 MDC	6.1	pCi/L				1	E909.0M	06/13/10 18:37/eli-c
Polonium 210	0.061	pCi/L	U			1	E912.0	06/07/10 08:49/eli-ca
Polonium 210 precision (±)	0.37	pCi/L				1	E912.0	06/07/10 08:49/eli-ca
Report	RL - Analyte reporting limit.			MCL - Maximum contaminant level.				
Definitions:	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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10050253-002
Client Sample ID: DB-09-21-02

Revised Date: 09/10/10
Report Date: 06/29/10
Collection Date: 05/17/10
Date Received: 05/18/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Polonium 210 MDC	0.80	pCi/L				1	E912.0	06/07/10 08:49/eli-ca
Radium 226	0.6	pCi/L				1	E903.0	06/18/10 08:33/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/18/10 08:33/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	06/18/10 08:33/eli-c
Thorium 230	-0.1	pCi/L	U			1	E907.0	06/04/10 10:06/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	06/04/10 10:06/eli-c
- See Case Narrative regarding Pb210 analysis.								
- See Case Narrative regarding Th230 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	303	pCi/L		100		1	D5072-92	05/19/10 00:00/kl
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/03/10 13:29/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/25/10 09:15/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/25/10 09:15/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/25/10 09:15/eli-c
Boron	ND	mg/L		0.1		1	E200.8	05/25/10 09:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/25/10 09:15/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/25/10 09:15/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/25/10 09:15/eli-c
Iron	ND	mg/L		0.03		1	E200.8	05/25/10 09:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/25/10 09:15/eli-c
Manganese	0.55	mg/L		0.01		1	E200.8	05/25/10 09:15/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/26/10 13:26/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/25/10 09:15/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/25/10 09:15/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/25/10 09:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/03/10 01:15/eli-c
Strontium	2.3	mg/L		0.1		1	E200.8	05/25/10 09:15/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/25/10 09:15/eli-c
Uranium	0.0088	mg/L		0.0003		1	E200.8	05/25/10 09:15/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/25/10 09:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.36	%				1	A1030 E	06/29/10 00:00/kl
Anions	18.8	meq/L				1	A1030 E	06/29/10 00:00/kl
Cations	18.3	meq/L				1	A1030 E	06/29/10 00:00/kl
Solids, Total Dissolved Calculated	1200	mg/L				1	A1030 E	06/29/10 00:00/kl
TDS Balance (0.80 - 1.20)	0.930					1	A1030 E	06/29/10 00:00/kl

Report RL - Analyte reporting limit.
Definitions: 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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10060444-002
Client Sample ID: DB-09-21-02

Report Date: 08/23/10
Collection Date: 06/22/10
Date Received: 06/23/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	210	mg/L		5		1	A2320 B	07/01/10 11:19/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	07/01/10 11:19/mb
Bicarbonate as HCO ₃	256	mg/L		5		1	A2320 B	07/01/10 11:19/mb
Calcium	165	mg/L	D	1		5	E200.7	07/01/10 15:16/eli-c
Chloride	9	mg/L		1		1	E300.0	06/24/10 13:42/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	06/24/10 13:42/jmh
Magnesium	47.4	mg/L		0.5		5	E200.7	07/01/10 15:16/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	07/02/10 16:25/jmh
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	06/24/10 13:42/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	06/24/10 13:42/jmh
Potassium	11.8	mg/L		0.5		5	E200.7	07/01/10 15:16/eli-c
Sodium	130	mg/L	D	1		5	E200.7	07/01/10 15:16/eli-c
Sulfate	640	mg/L	D	20		20	E300.0	06/24/10 13:25/jmh
Silica	7.6	mg/L		0.2		1	E200.8	06/29/10 00:33/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1520	umhos/cm		5.0		1	A2510 B	07/01/10 13:02/tb
Oxidation-Reduction Potential	340	mV				1	A2580 B	06/29/10 16:30/jmh
pH	7.50	s.u.		0.01		1	A4500-H B	06/28/10 13:15/tb
Sodium Adsorption Ratio (SAR)	2.3	unitless		0.10		1	Calculation	08/12/10 16:22/ADM
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	D	10		1	A2540 C	06/28/10 12:47/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	07/01/10 04:15/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/29/10 00:33/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/29/10 00:33/eli-c
Boron	ND	mg/L		0.1		5	E200.7	07/01/10 15:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/29/10 00:33/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/29/10 00:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/29/10 00:33/eli-c
Iron	ND	mg/L		0.03		1	E200.8	06/29/10 00:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/29/10 00:33/eli-c
Manganese	0.56	mg/L		0.01		1	E200.8	06/29/10 00:33/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/29/10 00:33/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	06/29/10 00:33/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/29/10 00:33/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	07/01/10 16:45/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	07/01/10 04:15/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/29/10 00:33/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.



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10060444-002
Client Sample ID: DB-09-21-02

Report Date: 08/23/10
Collection Date: 06/22/10
Date Received: 06/23/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	0.0087	mg/L		0.0003		1	E200.8	06/29/10 00:33/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	06/29/10 00:33/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/29/10 00:33/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	07/11/10 07:40/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/01/10 15:02/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/02/10 07:18/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	34.0	pCi/L				1	E900.0	07/19/10 22:35/eli-ca
Gross Alpha precision (±)	7.2	pCi/L				1	E900.0	07/19/10 22:35/eli-ca
Gross Alpha MDC	8.8	pCi/L				1	E900.0	07/19/10 22:35/eli-ca
Gross Beta	19.6	pCi/L				1	E900.0	07/19/10 22:35/eli-ca
Gross Beta precision (±)	3.3	pCi/L				1	E900.0	07/19/10 22:35/eli-ca
Gross Beta MDC	5.0	pCi/L				1	E900.0	07/19/10 22:35/eli-ca
Lead 210	0.7	pCi/L	U			1	E909.0M	07/11/10 22:13/eli-c
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	07/11/10 22:13/eli-c
Lead 210 MDC	2.3	pCi/L				1	E909.0M	07/11/10 22:13/eli-c
Polonium 210	-0.042	pCi/L	U			1	E912.0	07/06/10 09:18/eli-ca
Polonium 210 MDC	0.60	pCi/L				1	E912.0	07/06/10 09:18/eli-ca
Polonium 210 precision (±)	0.22	pCi/L				1	E912.0	07/06/10 09:18/eli-ca
Radium 226	2.5	pCi/L				1	E903.0	07/06/10 17:27/eli-ca
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	07/06/10 17:27/eli-ca
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/06/10 17:27/eli-ca
Thorium 230	0.8	pCi/L				1	E907.0	07/01/10 13:14/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	07/01/10 13:14/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/01/10 13:14/eli-c
Gross Gamma	1300	pCi/L				1	E901.1	06/28/10 10:55/eli-c
Gross Gamma precision (±)	310	pCi/L				1	E901.1	06/28/10 10:55/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	0.05	pCi/L	U			1	E909.0M	07/07/10 08:46/eli-c
Lead 210 precision (±)	3.4	pCi/L				1	E909.0M	07/07/10 08:46/eli-c
Lead 210 MDC	5.7	pCi/L				1	E909.0M	07/07/10 08:46/eli-c
Polonium 210	-0.047	pCi/L	U			1	E912.0	07/08/10 09:12/eli-ca
Polonium 210 precision (±)	0.31	pCi/L				1	E912.0	07/08/10 09:12/eli-ca
Report	RL - Analyte reporting limit.			MCL - Maximum contaminant level.				
Definitions:	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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10060444-002
Client Sample ID: DB-09-21-02

Report Date: 08/23/10
Collection Date: 06/22/10
Date Received: 06/23/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Polonium 210 MDC	0.85	pCi/L				1	E912.0	07/08/10 09:12/eli-ca
Radium 226	-0.2	pCi/L	U			1	E903.0	07/12/10 22:14/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/12/10 22:14/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	07/12/10 22:14/eli-c
Thorium 230	-0.2	pCi/L	U			1	E907.0	07/07/10 11:12/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/07/10 11:12/eli-c
- See Case Narrative regarding Ra226 analysis.								
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	338	pCi/L		100		1	D5072-92	06/25/10 00:00/kl
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	07/12/10 18:14/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/12/10 18:14/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/02/10 19:00/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	07/02/10 19:00/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/02/10 19:00/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	07/02/10 19:00/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/02/10 19:00/eli-c
Copper	ND	mg/L		0.01		2	E200.7	07/02/10 19:00/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/02/10 19:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/12/10 18:14/eli-c
Manganese	0.57	mg/L		0.01		2	E200.7	07/02/10 19:00/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	06/28/10 11:42/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	07/02/10 19:00/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/02/10 19:00/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	07/12/10 18:14/eli-c
Silver	ND	mg/L		0.005		2	E200.7	07/02/10 19:00/eli-c
Strontium	2.4	mg/L		0.1		2	E200.7	07/02/10 19:00/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	07/12/10 18:14/eli-c
Uranium	0.0081	mg/L		0.0003		1	E200.8	07/12/10 18:14/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	07/12/10 18:14/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.900	%				1	A1030 E	08/19/10 00:00/jmh
Anions	17.8	meq/L				1	A1030 E	08/19/10 00:00/jmh
Cations	18.2	meq/L				1	A1030 E	08/19/10 00:00/jmh
Solids, Total Dissolved Calculated	1150	mg/L				1	A1030 E	08/19/10 00:00/jmh
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	08/19/10 00:00/jmh

Report RL - Analyte reporting limit.
Definitions: 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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10070459-002
Client Sample ID: DB-09-21-02

Revised Date: 10/19/10
Report Date: 09/25/10
Collection Date: 07/27/10
Date Received: 07/27/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	200	mg/L		5		1	A2320 B	08/05/10 12:01/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	08/05/10 12:01/mb
Bicarbonate as HCO3	244	mg/L		5		1	A2320 B	08/05/10 12:01/mb
Calcium	163	mg/L	D	1		5	E200.7	08/02/10 16:30/eli-
Chloride	9	mg/L		1		1	E300.0	07/29/10 00:11/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/29/10 00:11/jmh
Magnesium	47.4	mg/L		0.5		5	E200.7	08/02/10 16:30/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	08/04/10 14:13/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/29/10 00:11/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/29/10 00:11/jmh
Potassium	11.5	mg/L		0.5		5	E200.7	08/02/10 16:30/eli-c
Sodium	132	mg/L	D	1		5	E200.7	08/02/10 16:30/eli-c
Sulfate	658	mg/L	D	20		20	E300.0	07/28/10 23:18/jmh
Silica	8.5	mg/L		0.2		5	E200.7	08/02/10 16:30/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1540	umhos/cm		5.0		1	A2510 B	07/28/10 15:29/jmh
Oxidation-Reduction Potential	220	mV				1	A2580 B	08/03/10 16:00/jmh
pH	7.51	s.u.		0.01		1	A4500-H B	08/02/10 13:52/tb
Sodium Adsorption Ratio (SAR)	2.4	unitless		0.10		1	Calculation	08/30/10 10:46/ADM
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	D	10		1	A2540 C	07/29/10 14:11/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	08/02/10 16:30/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	08/06/10 09:24/eli-b
Barium	ND	mg/L		0.1		5	E200.7	08/02/10 16:30/eli-c
Boron	ND	mg/L		0.1		5	E200.7	08/02/10 16:30/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	08/06/10 13:12/eli-b
Chromium	ND	mg/L		0.05		5	E200.7	08/02/10 16:30/eli-c
Copper	ND	mg/L		0.01		5	E200.7	08/02/10 16:30/eli-c
Iron	ND	mg/L		0.03		5	E200.7	08/02/10 16:30/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/06/10 09:24/eli-b
Manganese	0.56	mg/L		0.01		5	E200.7	08/02/10 16:30/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/06/10 09:24/eli-b
Molybdenum	ND	mg/L		0.1		5	E200.7	08/02/10 16:30/eli-c
Nickel	ND	mg/L		0.05		5	E200.7	08/02/10 16:30/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/04/10 16:42/eli-ca
Silver	ND	mg/L		0.005		2	E200.7	08/06/10 13:12/eli-b
Thorium 232	ND	mg/L		0.005		1	E200.8	08/06/10 09:24/eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10070459-002
Client Sample ID: DB-09-21-02

Revised Date: 10/19/10
Report Date: 09/25/10
Collection Date: 07/27/10
Date Received: 07/27/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	0.0069	mg/L		0.0003		1	E200.8	08/06/10 09:24/eli-b
Vanadium	ND	mg/L		0.1		2	E200.7	08/06/10 13:12/eli-b
Zinc	0.02	mg/L		0.01		5	E200.7	08/02/10 16:30/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	08/11/10 01:17/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/04/10 14:55/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/04/10 17:03/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	31.6	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Alpha precision (±)	6.2	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Alpha MDC	7.3	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Beta	27.2	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Beta precision (±)	3.6	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Beta MDC	5.2	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Lead 210	-1	pCi/L	U			1	E909.0M	08/13/10 09:09/eli-cs
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	08/13/10 09:09/eli-cs
Lead 210 MDC	2.3	pCi/L				1	E909.0M	08/13/10 09:09/eli-cs
Polonium 210	0.062	pCi/L	U			1	E912.0	08/10/10 09:40/eli-ca
Polonium 210 MDC	0.62	pCi/L				1	E912.0	08/10/10 09:40/eli-ca
Polonium 210 precision (±)	0.29	pCi/L				1	E912.0	08/10/10 09:40/eli-ca
Radium 226	2.6	pCi/L				1	E903.0	08/09/10 13:47/eli-ca
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/09/10 13:47/eli-ca
Radium 226 MDC	0.2	pCi/L				1	E903.0	08/09/10 13:47/eli-ca
Thorium 230	0.04	pCi/L	U			1	E907.0	08/12/10 13:14/eli-c
Thorium 230 MDC	0.2	pCi/L				1	E907.0	08/12/10 13:14/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	08/12/10 13:14/eli-c
Gross Gamma	980	pCi/L				1	E901.1	08/04/10 07:00/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	08/04/10 07:00/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	-2	pCi/L	U			1	E909.0M	08/11/10 15:18/eli-cs
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	08/11/10 15:18/eli-cs
Lead 210 MDC	4.2	pCi/L				1	E909.0M	08/11/10 15:18/eli-cs
Polonium 210	0.0	pCi/L	U			1	E912.0	08/10/10 12:20/eli-ca
Polonium 210 precision (±)	0.20	pCi/L				1	E912.0	08/10/10 12:20/eli-ca

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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10070459-002
Client Sample ID: DB-09-21-02

Revised Date: 10/19/10
Report Date: 09/25/10
Collection Date: 07/27/10
Date Received: 07/27/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Polonium 210 MDC	0.48	pCi/L				1	E912.0	08/10/10 12:20/eli-ca
Radium 226	-0.1	pCi/L	U			1	E903.0	08/10/10 14:32/eli-c
Radium 226 precision (±)	0.08	pCi/L				1	E903.0	08/10/10 14:32/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	08/10/10 14:32/eli-c
Thorium 230	-0.2	pCi/L	U			1	E907.0	08/06/10 08:44/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	08/06/10 08:44/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	373	pCi/L		100		1	D5072-92	07/29/10 00:00/kl
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	08/06/10 20:45/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	08/06/10 20:45/eli-c
Barium	ND	mg/L		0.1		2	E200.7	08/05/10 11:22/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	08/05/10 11:22/eli-c
Boron	ND	mg/L		0.1		2	E200.7	08/05/10 11:22/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	08/05/10 11:22/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	08/05/10 11:22/eli-c
Copper	ND	mg/L		0.01		2	E200.7	08/05/10 11:22/eli-c
Iron	ND	mg/L		0.03		2	E200.7	08/05/10 11:22/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/06/10 20:45/eli-c
Manganese	0.56	mg/L		0.01		2	E200.7	08/05/10 11:22/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	07/30/10 15:46/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	08/05/10 11:22/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	08/05/10 11:22/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	08/06/10 20:45/eli-c
Silver	ND	mg/L		0.005		2	E200.7	08/05/10 11:22/eli-c
Strontium	2.3	mg/L		0.1		2	E200.7	08/05/10 11:22/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	08/06/10 20:45/eli-c
Uranium	0.0080	mg/L		0.0003		1	E200.8	08/06/10 20:45/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	08/06/10 20:45/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.400	%				1	A1030 E	08/30/10 00:00/kl
Anions	18.0	meq/L				1	A1030 E	08/30/10 00:00/kl
Cations	18.1	meq/L				1	A1030 E	08/30/10 00:00/kl
Solids, Total Dissolved Calculated	1160	mg/L				1	A1030 E	08/30/10 00:00/kl
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	08/30/10 00:00/kl

Report RL - Analyte reporting limit.
Definitions: 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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10070459-003
Client Sample ID: DB-09-21-02-Dup

Revised Date: 10/19/10
Report Date: 09/25/10
Collection Date: 07/27/10
Date Received: 07/27/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	198	mg/L		5		1	A2320 B	08/05/10 12:04/mb
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	08/05/10 12:04/mb
Bicarbonate as HCO ₃	241	mg/L		5		1	A2320 B	08/05/10 12:04/mb
Calcium	167	mg/L	D	1		5	E200.7	08/02/10 16:34/eli-c
Chloride	9	mg/L		1		1	E300.0	07/29/10 00:46/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	07/29/10 00:46/jmh
Magnesium	47.4	mg/L		0.5		5	E200.7	08/02/10 16:34/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	08/04/10 14:14/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/29/10 00:46/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	07/29/10 00:46/jmh
Potassium	11.6	mg/L		0.5		5	E200.7	08/02/10 16:34/eli-c
Sodium	135	mg/L	D	1		5	E200.7	08/02/10 16:34/eli-c
Sulfate	659	mg/L	D	20		20	E300.0	07/29/10 00:29/jmh
Silica	8.5	mg/L		0.2		5	E200.7	08/02/10 16:34/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1530	umhos/cm		5.0		1	A2510 B	07/28/10 15:30/jmh
Oxidation-Reduction Potential	230	mV				1	A2580 B	08/03/10 16:00/jmh
pH	7.53	s.u.		0.01		1	A4500-H B	08/02/10 13:53/mb
Sodium Adsorption Ratio (SAR)	2.4	unitless		0.10		1	Calculation	08/30/10 10:46/ADM
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	D	10		1	A2540 C	07/29/10 14:11/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	08/02/10 16:34/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	08/06/10 09:28/eli-b
Barium	ND	mg/L		0.1		5	E200.7	08/02/10 16:34/eli-c
Boron	ND	mg/L		0.1		5	E200.7	08/02/10 16:34/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	08/06/10 13:24/eli-b
Chromium	ND	mg/L		0.05		5	E200.7	08/02/10 16:34/eli-c
Copper	ND	mg/L		0.01		5	E200.7	08/02/10 16:34/eli-c
Iron	ND	mg/L		0.03		5	E200.7	08/02/10 16:34/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/06/10 09:28/eli-b
Manganese	0.56	mg/L		0.01		5	E200.7	08/02/10 16:34/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/06/10 09:28/eli-b
Molybdenum	ND	mg/L		0.1		5	E200.7	08/02/10 16:34/eli-c
Nickel	ND	mg/L		0.05		5	E200.7	08/02/10 16:34/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/04/10 16:44/eli-ca
Silver	ND	mg/L		0.005		2	E200.7	08/06/10 13:24/eli-b
Thorium 232	ND	mg/L		0.005		1	E200.8	08/06/10 09:28/eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10070459-003
Client Sample ID: DB-09-21-02-Dup

Revised Date: 10/19/10
Report Date: 09/25/10
Collection Date: 07/27/10
Date Received: 07/27/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
METALS - DISSOLVED								
Uranium	0.0070	mg/L		0.0003		1	E200.8	08/06/10 09:28/eli-b
Vanadium	ND	mg/L		0.1		2	E200.7	08/06/10 13:24/eli-b
Zinc	0.01	mg/L		0.01		5	E200.7	08/02/10 16:34/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	08/11/10 01:21/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/04/10 15:00/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/04/10 17:03/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	33.5	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Alpha precision (±)	6.3	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Alpha MDC	7.3	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Beta	29.2	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Beta precision (±)	3.6	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Gross Beta MDC	5.2	pCi/L				1	E900.0	08/26/10 22:55/eli-ca
Lead 210	-1	pCi/L	U			1	E909.0M	08/13/10 09:09/eli-cs
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	08/13/10 09:09/eli-cs
Lead 210 MDC	2.3	pCi/L				1	E909.0M	08/13/10 09:09/eli-cs
Polonium 210	-0.040	pCi/L	U			1	E912.0	08/10/10 09:40/eli-ca
Polonium 210 MDC	0.77	pCi/L				1	E912.0	08/10/10 09:40/eli-ca
Polonium 210 precision (±)	0.28	pCi/L				1	E912.0	08/10/10 09:40/eli-ca
Radium 226	2.6	pCi/L				1	E903.0	08/09/10 13:47/eli-ca
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/09/10 13:47/eli-ca
Radium 226 MDC	0.2	pCi/L				1	E903.0	08/09/10 13:47/eli-ca
Thorium 230	0.02	pCi/L	U			1	E907.0	08/12/10 13:14/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	08/12/10 13:14/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	08/12/10 13:14/eli-c
Gross Gamma	940	pCi/L				1	E901.1	08/04/10 07:00/eli-c
Gross Gamma precision (±)	140	pCi/L				1	E901.1	08/04/10 07:00/eli-c
- See Case Narrative regarding Pb210 analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	-3	pCi/L	U			1	E909.0M	08/11/10 15:18/eli-cs
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	08/11/10 15:18/eli-cs
Lead 210 MDC	4.2	pCi/L				1	E909.0M	08/11/10 15:18/eli-cs
Polonium 210	0.22	pCi/L	U			1	E912.0	08/10/10 12:20/eli-ca
Polonium 210 precision (±)	0.42	pCi/L				1	E912.0	08/10/10 12:20/eli-ca

Report RL - Analyte reporting limit.
Definitions: OCL - 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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10070459-003
Client Sample ID: DB-09-21-02-Dup

Revised Date: 10/19/10
Report Date: 09/25/10
Collection Date: 07/27/10
Date Received: 07/27/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Polonium 210 MDC	0.66	pCi/L				1	E912.0	08/10/10 12:20/eli-ca
Radium 226	-0.09	pCi/L	U			1	E903.0	08/10/10 14:32/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	08/10/10 14:32/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	08/10/10 14:32/eli-c
Thorium 230	-0.1	pCi/L	U			1	E907.0	08/06/10 08:44/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	08/06/10 08:44/eli-c
- See Case Narrative regarding Pb210 analysis.								
- See Case Narrative regarding Ra226 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	388	pCi/L		100		1	D5072-92	07/29/10 00:00/kd
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	08/06/10 21:19/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	08/06/10 21:19/eli-c
Barium	ND	mg/L		0.1		2	E200.7	08/05/10 11:26/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	08/05/10 11:26/eli-c
Boron	ND	mg/L		0.1		2	E200.7	08/05/10 11:26/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	08/05/10 11:26/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	08/05/10 11:26/eli-c
Copper	ND	mg/L		0.01		2	E200.7	08/05/10 11:26/eli-c
Iron	ND	mg/L		0.03		2	E200.7	08/05/10 11:26/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/06/10 21:19/eli-c
Manganese	0.56	mg/L		0.01		2	E200.7	08/05/10 11:26/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	07/30/10 15:48/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	08/05/10 11:26/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	08/05/10 11:26/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	08/06/10 21:19/eli-c
Silver	ND	mg/L		0.005		2	E200.7	08/05/10 11:26/eli-c
Strontium	2.3	mg/L		0.1		2	E200.7	08/05/10 11:26/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	08/06/10 21:19/eli-c
Uranium	0.0081	mg/L		0.0003		1	E200.8	08/06/10 21:19/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	08/06/10 21:19/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.38	%				1	A1030 E	08/30/10 00:00/kd
Anions	17.9	meq/L				1	A1030 E	08/30/10 00:00/kd
Cations	18.4	meq/L				1	A1030 E	08/30/10 00:00/kd
Solids, Total Dissolved Calculated	1170	mg/L				1	A1030 E	08/30/10 00:00/kd
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	08/30/10 00:00/kd

Report RL - Analyte reporting limit.

Definitions: 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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10070459-003
Client Sample ID: DB-09-21-02-Dup

Revised Date: 10/19/10
Report Date: 09/25/10
Collection Date: 07/27/10
Date Received: 07/27/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
DATA QUALITY								

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10080398-002
Client Sample ID: DB-09-21-02

Report Date: 10/15/10
Collection Date: 08/23/10
Date Received: 08/24/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	194	mg/L		5		1	A2320 B	08/25/10 09:29/jmh
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	08/25/10 09:29/jmh
Bicarbonate as HCO ₃	236	mg/L		5		1	A2320 B	08/25/10 09:29/jmh
Calcium	170	mg/L	D	1		5	E200.7	09/01/10 20:42/eli-c
Chloride	10	mg/L	B	1		1	E300.0	08/25/10 13:51/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	08/25/10 13:51/jmh
Magnesium	48.7	mg/L		0.5		5	E200.7	09/01/10 20:42/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	08/31/10 16:23/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	08/25/10 13:51/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	08/25/10 13:51/jmh
Potassium	12.2	mg/L		0.5		5	E200.7	09/01/10 20:42/eli-c
Sodium	133	mg/L	D	1		5	E200.7	09/07/10 12:28/eli-c
Sulfate	708	mg/L	D	20		20	E300.0	08/25/10 13:33/jmh
Silica	7.9	mg/L		0.2		1	E200.8	09/01/10 10:19/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1540	umhos/cm		5.0		1	A2510 B	09/02/10 09:29/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	08/30/10 16:30/jmh
pH	7.53	s.u.		0.01		1	A4500-H B	08/30/10 09:19/tb
Sodium Adsorption Ratio (SAR)	2.3	unitless		0.10		1	Calculation	10/04/10 10:46/ADM
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	D	10		1	A2540 C	08/30/10 14:09/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	09/01/10 20:42/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	09/01/10 10:19/eli-c
Barium	ND	mg/L		0.1		1	E200.8	09/01/10 10:19/eli-c
Boron	ND	mg/L		0.1		1	E200.8	09/01/10 10:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/01/10 10:19/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	09/01/10 10:19/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/01/10 10:19/eli-c
Iron	ND	mg/L		0.03		1	E200.8	09/01/10 10:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/01/10 10:19/eli-c
Manganese	0.57	mg/L		0.01		1	E200.8	09/01/10 10:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/01/10 10:19/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	09/01/10 10:19/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	09/01/10 10:19/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	08/31/10 12:24/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/01/10 10:19/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/01/10 10:19/eli-c
Report Definitions:								
RL - Analyte reporting limit.				MCL - Maximum contaminant level.				
QCL - Quality control limit.				ND - Not detected at the reporting limit.				
B - The analyte was detected in the method blank.				D - RL increased due to sample matrix.				



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LABORATORY ANALYTICAL REPORT

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10080398-002
Client Sample ID: DB-09-21-02

Report Date: 10/15/10
Collection Date: 08/23/10
Date Received: 08/24/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0087	mg/L		0.0003		1	E200.8	09/01/10 10:19/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	09/01/10 10:19/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	09/01/10 10:19/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	09/10/10 03:05/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/31/10 10:58/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/31/10 15:55/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	21.9	pCi/L				1	E900.0	09/10/10 03:35/eli-ca
Gross Alpha precision (±)	4.9	pCi/L				1	E900.0	09/10/10 03:35/eli-ca
Gross Alpha MDC	5.8	pCi/L				1	E900.0	09/10/10 03:35/eli-ca
Gross Beta	25.2	pCi/L				1	E900.0	09/10/10 03:35/eli-ca
Gross Beta precision (±)	4.3	pCi/L				1	E900.0	09/10/10 03:35/eli-ca
Gross Beta MDC	6.4	pCi/L				1	E900.0	09/10/10 03:35/eli-ca
Lead 210	-0.7	pCi/L	U			1	E909.0M	09/20/10 01:01/eli-cs
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	09/20/10 01:01/eli-cs
Lead 210 MDC	1.7	pCi/L				1	E909.0M	09/20/10 01:01/eli-cs
Polonium 210	-0.040	pCi/L	U			1	E912.0	09/07/10 09:24/eli-ca
Polonium 210 MDC	0.77	pCi/L				1	E912.0	09/07/10 09:24/eli-ca
Polonium 210 precision (±)	0.28	pCi/L				1	E912.0	09/07/10 09:24/eli-ca
Radium 226	2.7	pCi/L				1	E903.0	09/07/10 23:20/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	09/07/10 23:20/eli-c
Radium 226 MDC	0.09	pCi/L				1	E903.0	09/07/10 23:20/eli-c
Thorium 230	-0.02	pCi/L	U			1	E907.0	09/17/10 17:09/eli-c
Thorium 230 MDC	0.2	pCi/L				1	E907.0	09/17/10 17:09/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	09/17/10 17:09/eli-c
Gross Gamma	610	pCi/L				1	E901.1	09/02/10 09:00/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	09/02/10 09:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.02	pCi/L	U			1	E909.0M	09/30/10 12:21/eli-cs
Lead 210 precision (±)	0.8	pCi/L				1	E909.0M	09/30/10 12:21/eli-cs
Lead 210 MDC	1.3	pCi/L				1	E909.0M	09/30/10 12:21/eli-cs
Polonium 210	0.068	pCi/L	U			1	E912.0	09/15/10 11:06/eli-ca
Polonium 210 precision (±)	0.27	pCi/L				1	E912.0	09/15/10 11:06/eli-ca
Report	RL - Analyte reporting limit.			MCL - Maximum contaminant level.				
Definitions:	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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10080398-002
Client Sample ID: DB-09-21-02

Report Date: 10/15/10
Collection Date: 08/23/10
Date Received: 08/24/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Polonium 210 MDC	0.54	pCi/L				1	E912.0	09/15/10 11:06/eli-ca
Radium 226	-0.1	pCi/L	U			1	E903.0	09/15/10 17:33/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	09/15/10 17:33/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	09/15/10 17:33/eli-c
Thorium 230	-0.03	pCi/L	U			1	E907.0	09/13/10 13:26/eli-c
Thorium 230 MDC	0.2	pCi/L				1	E907.0	09/13/10 13:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	09/13/10 13:26/eli-c
- See Case Narrative regarding Ra226 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	342	pCi/L		100		1	D5072-92	08/25/10 00:00/kl
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	09/01/10 13:31/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	09/01/10 13:31/eli-c
Barium	ND	mg/L		0.1		1	E200.8	09/01/10 13:31/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	09/01/10 13:31/eli-c
Boron	ND	mg/L		0.1		1	E200.8	09/01/10 13:31/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/01/10 13:31/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	09/01/10 13:31/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/01/10 13:31/eli-c
Iron	ND	mg/L		0.03		1	E200.8	09/01/10 13:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/01/10 13:31/eli-c
Manganese	0.58	mg/L		0.01		1	E200.8	09/01/10 13:31/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	08/26/10 16:00/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	09/01/10 13:31/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	09/01/10 13:31/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	09/01/10 13:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/01/10 13:31/eli-c
Strontium	2.3	mg/L		0.1		1	E200.8	09/01/10 13:31/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	09/01/10 13:31/eli-c
Uranium	0.0083	mg/L		0.0003		1	E200.8	09/01/10 13:31/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	09/01/10 13:31/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.750	%				1	A1030 E	10/14/10 00:00/kl
Anions	18.9	meq/L				1	A1030 E	10/14/10 00:00/kl
Cations	18.6	meq/L				1	A1030 E	10/14/10 00:00/kl
Solids, Total Dissolved Calculated	1220	mg/L				1	A1030 E	10/14/10 00:00/kl
TDS Balance (0.80 - 1.20)	1.09					1	A1030 E	10/14/10 00:00/kl

Report RL - Analyte reporting limit.
Definitions: 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

Prepared by Rapid City, SD Branch

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10090519-002
Client Sample ID: DB-09-21-02

Report Date: 12/20/10
Collection Date: 09/28/10
Date Received: 09/29/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
MAJOR IONS								
Alkalinity, Total as CaCO3	192	mg/L		5		1	A2320 B	10/08/10 10:11/hv
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/08/10 10:11/hv
Bicarbonate as HCO3	234	mg/L		5		1	A2320 B	10/08/10 10:11/hv
Calcium	166	mg/L		0.5		2	E200.7	10/15/10 11:53/eli-c
Chloride	10	mg/L	B	1		1	E300.0	10/01/10 05:13/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	10/01/10 05:13/jmh
Magnesium	47.9	mg/L		0.5		2	E200.7	10/15/10 11:53/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	09/30/10 15:39/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/10 23:53/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/10 23:53/jmh
Potassium	11.6	mg/L		0.5		2	E200.7	10/15/10 11:53/eli-c
Sodium	132	mg/L	D	0.6		2	E200.7	10/15/10 11:53/eli-c
Sulfate	687	mg/L	D	20		20	E300.0	09/29/10 23:00/jmh
Silica	8.6	mg/L		0.2		2	E200.7	10/15/10 11:53/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1560	umhos/cm		5.0		1	A2510 B	10/05/10 15:51/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	10/05/10 16:45/jmh
pH	7.44	s.u.		0.01		1	A4500-H B	10/05/10 09:01/tb
Sodium Adsorption Ratio (SAR)	2.3	unitless		0.10		1	Calculation	11/09/10 16:57/ADM
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	D	10		1	A2540 C	09/29/10 16:55/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/12/10 15:03/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/12/10 15:03/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/12/10 15:03/eli-c
Boron	ND	mg/L		0.1		1	E200.8	10/12/10 15:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/12/10 15:03/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/12/10 15:03/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/12/10 15:03/eli-c
Iron	ND	mg/L		0.03		1	E200.8	10/12/10 15:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/12/10 15:03/eli-c
Manganese	0.53	mg/L		0.01		1	E200.8	10/12/10 15:03/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/12/10 15:03/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/12/10 15:03/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/12/10 15:03/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	10/09/10 15:48/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/12/10 15:03/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/12/10 15:03/eli-c

Report: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
B - The analyte was detected in the method blank.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.



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Project: Dewey Groundwater Sampling
Lab ID: R10090519-002
Client Sample ID: DB-09-21-02

Report Date: 12/20/10
Collection Date: 09/28/10
Date Received: 09/29/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0081	mg/L		0.0003		1	E200.8	10/12/10 15:03/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/12/10 15:03/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/12/10 15:03/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/14/10 00:46/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/09/10 12:41/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/09/10 16:30/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	20.5	pCi/L				1	E900.0	10/28/10 02:53/eli-ca
Gross Alpha precision (±)	5.2	pCi/L				1	E900.0	10/28/10 02:53/eli-ca
Gross Alpha MDC	6.9	pCi/L				1	E900.0	10/28/10 02:53/eli-ca
Gross Beta	21.3	pCi/L				1	E900.0	10/28/10 02:53/eli-ca
Gross Beta precision (±)	3.9	pCi/L				1	E900.0	10/28/10 02:53/eli-ca
Gross Beta MDC	5.9	pCi/L				1	E900.0	10/28/10 02:53/eli-ca
Lead 210	1.5	pCi/L	U			1	E909.0M	10/30/10 23:12/eli-cs
Lead 210 precision (±)	1.2	pCi/L				1	E909.0M	10/30/10 23:12/eli-cs
Lead 210 MDC	2.0	pCi/L				1	E909.0M	10/30/10 23:12/eli-cs
Polonium 210	-0.075	pCi/L	U			1	E912.0	10/28/10 09:35/eli-ca
Polonium 210 MDC	1.4	pCi/L				1	E912.0	10/28/10 09:35/eli-ca
Polonium 210 precision (±)	0.50	pCi/L				1	E912.0	10/28/10 09:35/eli-ca
Radium 226	2.0	pCi/L				1	E903.0	10/13/10 14:58/eli-ca
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	10/13/10 14:58/eli-ca
Radium 226 MDC	0.1	pCi/L				1	E903.0	10/13/10 14:58/eli-ca
Thorium 230	0.008	pCi/L	U			1	E907.0	10/19/10 13:09/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	10/19/10 13:09/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	10/19/10 13:09/eli-c
Gross Gamma	470	pCi/L				1	E901.1	10/04/10 09:40/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	10/04/10 09:40/eli-c
- See Case Narrative regarding Gross Gamma analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.6	pCi/L	U			1	E909.0M	11/14/10 17:52/eli-cs
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	11/14/10 17:52/eli-cs
Lead 210 MDC	1.5	pCi/L				1	E909.0M	11/14/10 17:52/eli-cs
Polonium 210	-0.0047	pCi/L	U			1	E912.0	10/20/10 08:49/eli-ca
Polonium 210 precision (±)	0.086	pCi/L				1	E912.0	10/20/10 08:49/eli-ca

Report RL - Analyte reporting limit.
Definitions: 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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Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Polonium 210 MDC	0.22	pCi/L				1	E912.0	10/20/10 08:49/eli-ca
Radium 226	-0.02	pCi/L	U			1	E903.0	10/25/10 13:50/eli-c
Radium 226 precision (±)	0.03	pCi/L				1	E903.0	10/25/10 13:50/eli-c
Radium 226 MDC	0.05	pCi/L				1	E903.0	10/25/10 13:50/eli-c
Thorium 230	0.05	pCi/L	U			1	E907.0	10/20/10 15:27/eli-c
Thorium 230 MDC	0.08	pCi/L				1	E907.0	10/20/10 15:27/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E907.0	10/20/10 15:27/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	300	pCi/L		100		1	D5072-92	10/01/10 00:00/kl
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	10/19/10 02:21/eli-c
Arsenic	0.002	mg/L	B	0.001		1	E200.8	10/19/10 02:21/eli-c
Barium	ND	mg/L		0.1		1	E200.7	10/13/10 22:45/eli-c
Beryllium	ND	mg/L		0.001		1	E200.7	10/13/10 22:45/eli-c
Boron	ND	mg/L		0.1		1	E200.7	10/13/10 22:45/eli-c
Cadmium	ND	mg/L		0.005		1	E200.7	10/13/10 22:45/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	10/13/10 22:45/eli-c
Copper	ND	mg/L		0.01		1	E200.7	10/13/10 22:45/eli-c
Iron	0.03	mg/L		0.03		1	E200.7	10/13/10 22:45/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/19/10 02:21/eli-c
Manganese	0.57	mg/L		0.01		1	E200.7	10/13/10 22:45/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	10/01/10 15:54/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.7	10/13/10 22:45/eli-c
Nickel	ND	mg/L		0.05		1	E200.7	10/13/10 22:45/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/19/10 02:21/eli-c
Silver	ND	mg/L		0.005		1	E200.7	10/13/10 22:45/eli-c
Strontium	2.3	mg/L		0.1		1	E200.7	10/13/10 22:45/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	10/19/10 02:21/eli-c
Uranium	0.0085	mg/L		0.0003		1	E200.8	10/19/10 02:21/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	10/13/10 22:45/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.400	%				1	A1030 E	11/09/10 00:00/kl
Anions	18.4	meq/L				1	A1030 E	11/09/10 00:00/kl
Cations	18.3	meq/L				1	A1030 E	11/09/10 00:00/kl
Solids, Total Dissolved Calculated	1190	mg/L				1	A1030 E	11/09/10 00:00/kl
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	11/09/10 00:00/kl

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LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10100355-002
Client Sample ID: DB-09-21-02

Report Date: 12/29/10
Collection Date: 10/25/10
Date Received: 10/26/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	192	mg/L		5		1	A2320 B	11/02/10 09:07/hv
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	11/02/10 09:07/hv
Bicarbonate as HCO ₃	234	mg/L		5		1	A2320 B	11/02/10 09:07/hv
Calcium	167	mg/L		0.5		2	E200.7	11/10/10 15:56/eli-c
Chloride	9	mg/L		1		1	E300.0	10/26/10 22:58/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	10/26/10 22:58/jmh
Magnesium	47.7	mg/L		0.5		2	E200.7	11/10/10 15:56/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH ₃ G	11/01/10 11:37/hv
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/26/10 22:58/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	10/26/10 22:58/jmh
Potassium	11.6	mg/L		0.5		2	E200.7	11/10/10 15:56/eli-c
Sodium	132	mg/L	D	0.6		2	E200.7	11/10/10 15:56/eli-c
Sulfate	648	mg/L	D	20		20	E300.0	10/26/10 22:41/jmh
Silica	7.9	mg/L		0.2		1	E200.8	11/10/10 03:17/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1510	umhos/cm		5.0		1	A2510 B	10/27/10 17:05/hv
Oxidation-Reduction Potential	320	mV				1	A2580 B	11/01/10 17:00/jmh
pH	7.59	s.u.		0.01		1	A4500-H B	10/29/10 11:18/tb
Sodium Adsorption Ratio (SAR)	2.3	unitless		0.10		1	Calculation	12/07/10 10:07/ADM
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	D	10		1	A2540 C	10/27/10 16:14/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/01/10 19:44/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	11/01/10 19:44/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/01/10 19:44/eli-c
Boron	ND	mg/L		0.1		1	E200.8	11/10/10 03:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/01/10 19:44/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/01/10 19:44/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/01/10 19:44/eli-c
Iron	ND	mg/L		0.03		1	E200.8	11/10/10 03:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/01/10 19:44/eli-c
Manganese	0.49	mg/L		0.01		1	E200.8	11/01/10 19:44/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/01/10 19:44/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/01/10 19:44/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/01/10 19:44/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/15/10 14:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/01/10 19:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/10/10 03:17/eli-c
Uranium	0.0086	mg/L		0.0003		1	E200.8	11/01/10 19:44/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/01/10 19:44/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.



POWERTECH (USA) INC.



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LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10100355-002
Client Sample ID: DB-09-21-02

Report Date: 12/29/10
Collection Date: 10/25/10
Date Received: 10/26/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Zinc	ND	mg/L		0.01		1	E200.8	11/01/10 19:44/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/30/10 18:22/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/15/10 13:45/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	11/16/10 10:52/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	19.3	pCi/L				1	E900.0	12/27/10 23:05/eli-ca
Gross Alpha precision (±)	5.5	pCi/L				1	E900.0	12/27/10 23:05/eli-ca
Gross Alpha MDC	7.4	pCi/L				1	E900.0	12/27/10 23:05/eli-ca
Gross Beta	25.8	pCi/L				1	E900.0	12/27/10 23:05/eli-ca
Gross Beta precision (±)	4.6	pCi/L				1	E900.0	12/27/10 23:05/eli-ca
Gross Beta MDC	6.9	pCi/L				1	E900.0	12/27/10 23:05/eli-ca
Lead 210	0.1	pCi/L	U			1	E909.0M	11/21/10 22:15/eli-cs
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	11/21/10 22:15/eli-cs
Lead 210 MDC	1.4	pCi/L				1	E909.0M	11/21/10 22:15/eli-cs
Polonium 210	0.012	pCi/L	U			1	E912.0	11/11/10 08:53/eli-ca
Polonium 210 MDC	0.54	pCi/L				1	E912.0	11/11/10 08:53/eli-ca
Polonium 210 precision (±)	0.21	pCi/L				1	E912.0	11/11/10 08:53/eli-ca
Radium 226	2.2	pCi/L				1	E903.0	11/11/10 13:18/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	11/11/10 13:18/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	11/11/10 13:18/eli-c
Thorium 230	0.001	pCi/L	U			1	E907.0	11/16/10 16:16/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	11/16/10 16:16/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	11/16/10 16:16/eli-c
Gross Gamma	490	pCi/L				1	E901.1	11/01/10 10:00/eli-c
Gross Gamma precision (±)	130	pCi/L				1	E901.1	11/01/10 10:00/eli-c
- See Case Narrative regarding Gross Gamma analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	1.5	pCi/L	U			1	E909.0M	12/17/10 05:36/eli-cs
Lead 210 precision (±)	1.9	pCi/L				1	E909.0M	12/17/10 05:36/eli-cs
Lead 210 MDC	3.1	pCi/L				1	E909.0M	12/17/10 05:36/eli-cs
Polonium 210	0.081	pCi/L	U			1	E912.0	11/18/10 13:12/eli-ca
Polonium 210 precision (±)	0.27	pCi/L				1	E912.0	11/18/10 13:12/eli-ca
Polonium 210 MDC	0.51	pCi/L				1	E912.0	11/18/10 13:12/eli-ca
Radium 226	0.2	pCi/L				1	E903.0	11/23/10 01:20/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	11/23/10 01:20/eli-c

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Report Date: 12/29/10
Collection Date: 10/25/10
Date Received: 10/26/10
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	11/23/10 01:20/eli-c
Thorium 230	-0.1	pCi/L	U			1	E907.0	11/16/10 16:13/eli-c
Thorium 230 MDC	0.3	pCi/L				1	E907.0	11/16/10 16:13/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	11/16/10 16:13/eli-c
- See Case Narrative regarding Th230 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	254	pCi/L		100		1	D5072-92	10/27/10 00:00/kl
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	11/02/10 23:48/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	11/02/10 23:48/eli-c
Barium	ND	mg/L		0.1		1	E200.7	11/04/10 01:24/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	11/02/10 23:48/eli-c
Boron	ND	mg/L		0.1		1	E200.8	11/02/10 23:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/02/10 23:48/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	11/04/10 01:24/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/02/10 23:48/eli-c
Iron	0.06	mg/L		0.03		1	E200.8	11/02/10 23:48/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/02/10 23:48/eli-c
Manganese	0.56	mg/L		0.01		1	E200.7	11/04/10 01:24/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	10/28/10 17:06/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	11/02/10 23:48/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/02/10 23:48/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	11/02/10 23:48/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/02/10 23:48/eli-c
Strontium	2.0	mg/L		0.1		1	E200.8	11/02/10 23:48/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	11/02/10 23:48/eli-c
Uranium	0.0089	mg/L		0.0003		1	E200.8	11/06/10 00:22/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/02/10 23:48/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.02	%				1	A1030 E	12/07/10 00:00/jmh
Anions	17.6	meq/L				1	A1030 E	12/07/10 00:00/jmh
Cations	18.3	meq/L				1	A1030 E	12/07/10 00:00/jmh
Solids, Total Dissolved Calculated	1190	mg/L				1	A1030 E	12/07/10 00:00/jmh
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	12/07/10 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

Prepared by Rapid City, SD Branch

Revised Date: 02/14/11

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10110179-002
Client Sample ID: DB-09-21-02

Report Date: 01/05/11
Collection Date: 11/15/10
Date Received: 11/15/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	194	mg/L		5		1	A2320 B	11/19/10 16:24/hv
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	11/19/10 16:24/hv
Bicarbonate as HCO ₃	236	mg/L		5		1	A2320 B	11/19/10 16:24/hv
Calcium	163	mg/L		0.5		2	E200.7	11/30/10 17:50/eli-c
Chloride	10	mg/L		1		1	E300.0	11/16/10 23:30/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	11/16/10 23:30/jmh
Magnesium	45.2	mg/L		0.5		2	E200.7	11/30/10 17:50/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	11/18/10 15:47/hv
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/16/10 23:30/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/16/10 23:30/jmh
Potassium	12.0	mg/L		0.5		2	E200.7	11/30/10 17:50/eli-c
Sodium	125	mg/L	D	0.6		2	E200.7	11/30/10 17:50/eli-c
Sulfate	689	mg/L	D	10		10	E300.0	11/16/10 23:12/jmh
Silica	8.3	mg/L		0.2		1	E200.8	11/30/10 03:37/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1470	umhos/cm		5.0		1	A2510 B	11/22/10 14:58/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	11/22/10 18:00/jmh
pH	7.35	s.u.		0.01		1	A4500-H B	11/19/10 14:14/tb
Sodium Adsorption Ratio (SAR)	2.2	unitless		0.10		1	Calculation	12/21/10 17:26/ADM
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	D	10		1	A2540 C	11/22/10 11:21/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/30/10 03:37/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/30/10 03:37/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/30/10 03:37/eli-c
Boron	ND	mg/L		0.1		1	E200.8	11/30/10 03:37/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/30/10 03:37/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/30/10 03:37/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/30/10 03:37/eli-c
Iron	ND	mg/L		0.03		1	E200.8	11/30/10 03:37/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/30/10 03:37/eli-c
Manganese	0.57	mg/L		0.01		1	E200.8	11/30/10 03:37/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/30/10 03:37/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/30/10 03:37/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/30/10 03:37/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/22/10 13:17/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/30/10 03:37/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/30/10 03:37/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 02/14/11

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10110179-002
Client Sample ID: DB-09-21-02

Report Date: 01/05/11
Collection Date: 11/15/10
Date Received: 11/15/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0082	mg/L		0.0003		1	E200.8	11/30/10 03:37/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/30/10 03:37/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/30/10 03:37/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/30/10 17:28/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/22/10 11:48/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	11/22/10 13:55/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	24.5	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Alpha precision (±)	6.0	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Alpha MDC	7.7	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Beta	21.1	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Beta precision (±)	3.9	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Beta MDC	6.0	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Lead 210	-0.08	pCi/L	U			1	E909.0	02/10/11 14:52/eli-cs
Lead 210 precision (±)	0.8	pCi/L				1	E909.0	02/10/11 14:52/eli-cs
Lead 210 MDC	1.4	pCi/L				1	E909.0	02/10/11 14:52/eli-cs
Polonium 210	-0.011	pCi/L	U			1	E912.0	11/29/10 09:17/eli-ca
Polonium 210 MDC	0.53	pCi/L				1	E912.0	11/29/10 09:17/eli-ca
Polonium 210 precision (±)	0.20	pCi/L				1	E912.0	11/29/10 09:17/eli-ca
Radium 226	2.4	pCi/L				1	E903.0	11/29/10 17:41/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	11/29/10 17:41/eli-c
Radium 226 MDC	0.06	pCi/L				1	E903.0	11/29/10 17:41/eli-c
Thorium 230	0.03	pCi/L	U			1	E907.0	12/06/10 09:46/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	12/06/10 09:46/eli-c
Thorium 230 precision (±)	0.06	pCi/L				1	E907.0	12/06/10 09:46/eli-c
Gross Gamma	490	pCi/L				1	E901.1	11/18/10 15:20/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	11/18/10 15:20/eli-c
- See Case Narrative regarding Gross Gamma analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	2.5	pCi/L	U			1	E909.0M	12/30/10 07:50/eli-cs
Lead 210 precision (±)	2.0	pCi/L				1	E909.0M	12/30/10 07:50/eli-cs
Lead 210 MDC	3.3	pCi/L				1	E909.0M	12/30/10 07:50/eli-cs
Polonium 210	-0.032	pCi/L	U			1	E912.0	12/01/10 09:34/eli-ca
Polonium 210 precision (±)	0.25	pCi/L				1	E912.0	12/01/10 09:34/eli-ca
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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10110179-002
Client Sample ID: DB-09-21-02

Prepared by Rapid City, SD Branch

Revised Date: 02/14/11

Report Date: 01/05/11

Collection Date: 11/15/10

Date Received: 11/15/10

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		DF	Method	Analysis Date / By
					QCL	DF			
RADIONUCLIDES - SUSPENDED									
Polonium 210 MDC	0.66	pCi/L				1	E912.0		12/01/10 09:34/eli-ca
Radium 226	0.1	pCi/L	U			1	E903.0		12/06/10 16:46/eli-c
Radium 226 precision (±)	0.08	pCi/L				1	E903.0		12/06/10 16:46/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0		12/06/10 16:46/eli-c
Thorium 230	-0.2	pCi/L	U			1	E907.0		12/02/10 16:26/eli-c
Thorium 230 MDC	0.2	pCi/L				1	E907.0		12/02/10 16:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0		12/02/10 16:26/eli-c
RADIONUCLIDES - TOTAL									
Radon 222	683	pCi/L		100		1	D5072-92		11/18/10 15:53/eli-c
TOTAL METALS ANALYSES									
Antimony	ND	mg/L		0.003		1	E200.8		11/30/10 14:50/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8		11/30/10 14:50/eli-c
Barium	ND	mg/L		0.1		1	E200.8		11/30/10 14:50/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8		11/30/10 14:50/eli-c
Boron	ND	mg/L		0.1		1	E200.8		11/30/10 14:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8		11/30/10 14:50/eli-c
Chromium	ND	mg/L		0.05		1	E200.8		11/30/10 14:50/eli-c
Copper	ND	mg/L		0.01		1	E200.8		11/30/10 14:50/eli-c
Iron	0.04	mg/L		0.03		1	E200.8		11/30/10 14:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8		11/30/10 14:50/eli-c
Manganese	0.59	mg/L		0.01		1	E200.8		11/30/10 14:50/eli-c
Mercury	ND	mg/L		0.001		1	E245.1		11/18/10 15:12/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8		11/30/10 14:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8		11/30/10 14:50/eli-c
Selenium	ND	mg/L		0.001		1	E200.8		11/30/10 14:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8		11/30/10 14:50/eli-c
Strontium	2.3	mg/L		0.1		1	E200.8		11/30/10 14:50/eli-c
Thallium	ND	mg/L		0.001		1	E200.8		11/30/10 14:50/eli-c
Uranium	0.0098	mg/L		0.0003		1	E200.8		11/30/10 14:50/eli-c
Zinc	ND	mg/L		0.01		1	E200.8		11/30/10 14:50/eli-c
DATA QUALITY									
A/C Balance (± 5)	-2.58	%				1	A1030 E		12/31/10 00:00/kl
Anions	18.6	meq/L				1	A1030 E		12/31/10 00:00/kl
Cations	17.6	meq/L				1	A1030 E		12/31/10 00:00/kl
Solids, Total Dissolved Calculated	1180	mg/L				1	A1030 E		12/31/10 00:00/kl
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E		12/31/10 00:00/kl

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
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: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10110179-003
Client Sample ID: DB-09-21-02 Dup

Revised Date: 02/14/11
Report Date: 01/05/11
Collection Date: 11/15/10
Date Received: 11/15/10
Matrix: AQUEOUS

Prepared by Rapid City, SD Branch

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	192	mg/L		5		1	A2320 B	11/19/10 16:29/hv
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	11/19/10 16:29/hv
Bicarbonate as HCO ₃	234	mg/L		5		1	A2320 B	11/19/10 16:29/hv
Calcium	163	mg/L		0.5		2	E200.7	11/30/10 17:54/eli-c
Chloride	10	mg/L		1		1	E300.0	11/17/10 00:05/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	11/17/10 00:05/jmh
Magnesium	46.4	mg/L		0.5		2	E200.7	11/30/10 17:54/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	11/18/10 15:48/hv
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/17/10 00:05/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/17/10 00:05/jmh
Potassium	12.0	mg/L		0.5		2	E200.7	11/30/10 17:54/eli-c
Sodium	123	mg/L	D	0.6		2	E200.7	11/30/10 17:54/eli-c
Sulfate	691	mg/L	D	10		10	E300.0	11/16/10 23:48/jmh
Silica	8.5	mg/L		0.2		1	E200.8	11/30/10 04:12/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1470	umhos/cm		5.0		1	A2510 B	11/22/10 15:00/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	11/22/10 18:00/jmh
pH	7.35	s.u.		0.01		1	A4500-H B	11/19/10 14:15/tb
Sodium Adsorption Ratio (SAR)	2.2	unitless		0.10		1	Calculation	12/21/10 17:26/ADM
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	D	10		1	A2540 C	11/22/10 11:22/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/30/10 04:12/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/30/10 04:12/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/30/10 04:12/eli-c
Boron	ND	mg/L		0.1		2	E200.7	11/30/10 17:54/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/30/10 04:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/30/10 04:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/30/10 04:12/eli-c
Iron	ND	mg/L		0.03		1	E200.8	11/30/10 04:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/30/10 04:12/eli-c
Manganese	0.58	mg/L		0.01		1	E200.8	11/30/10 04:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/30/10 04:12/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/30/10 04:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/30/10 04:12/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/22/10 13:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/30/10 04:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/30/10 04:12/eli-c

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 02/14/11

Client: Powertech USA Inc

Report Date: 01/05/11

Project: Dewey Groundwater Sampling

Collection Date: 11/15/10

Lab ID: R10110179-003

Date Received: 11/15/10

Client Sample ID: DB-09-21-02 Dup

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0083	mg/L		0.0003		1	E200.8	11/30/10 04:12/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/30/10 04:12/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/30/10 04:12/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/30/10 17:32/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/22/10 11:50/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	11/22/10 13:55/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	23.3	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Alpha precision (±)	5.9	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Alpha MDC	7.7	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Beta	26.0	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Beta precision (±)	4.0	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Gross Beta MDC	6.0	pCi/L				1	E900.0	12/20/10 22:38/eli-ca
Lead 210	0.5	pCi/L	U			1	E909.0M	12/16/10 04:16/eli-cs
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	12/16/10 04:16/eli-cs
Lead 210 MDC	1.7	pCi/L				1	E909.0M	12/16/10 04:16/eli-cs
Polonium 210	-0.024	pCi/L	U			1	E912.0	11/29/10 09:17/eli-ca
Polonium 210 MDC	0.60	pCi/L				1	E912.0	11/29/10 09:17/eli-ca
Polonium 210 precision (±)	0.23	pCi/L				1	E912.0	11/29/10 09:17/eli-ca
Radium 226	2.3	pCi/L				1	E903.0	11/29/10 17:41/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	11/29/10 17:41/eli-c
Radium 226 MDC	0.06	pCi/L				1	E903.0	11/29/10 17:41/eli-c
Thorium 230	0.004	pCi/L	U			1	E907.0	12/06/10 09:46/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E907.0	12/06/10 09:46/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	12/06/10 09:46/eli-c
Gross Gamma	550	pCi/L				1	E901.1	11/18/10 15:20/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	11/18/10 15:20/eli-c
- See Case Narrative regarding Gross Gamma analysis.								
RADIONUCLIDES - SUSPENDED								
Lead 210	1.4	pCi/L	U			1	E909.0M	12/30/10 10:01/eli-cs
Lead 210 precision (±)	2.0	pCi/L				1	E909.0M	12/30/10 10:01/eli-cs
Lead 210 MDC	3.3	pCi/L				1	E909.0M	12/30/10 10:01/eli-cs
Polonium 210	0.070	pCi/L	U			1	E912.0	12/01/10 09:34/eli-ca
Polonium 210 precision (±)	0.34	pCi/L				1	E912.0	12/01/10 09:34/eli-ca

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

Prepared by Rapid City, SD Branch

Revised Date: 02/14/11

Client: Powertech USA Inc
Project: Dewey Groundwater Sampling
Lab ID: R10110179-003
Client Sample ID: DB-09-21-02 Dup

Report Date: 01/05/11
Collection Date: 11/15/10
Date Received: 11/15/10
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Polonium 210 MDC	0.70	pCi/L				1	E912.0	12/01/10 09:34/eli-ca
Radium 226	0.1	pCi/L	U			1	E903.0	12/06/10 16:46/eli-c
Radium 226 precision (±)	0.09	pCi/L				1	E903.0	12/06/10 16:46/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	12/06/10 16:46/eli-c
Thorium 230	-0.1	pCi/L	U			1	E907.0	12/02/10 16:26/eli-c
Thorium 230 MDC	0.2	pCi/L				1	E907.0	12/02/10 16:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	12/02/10 16:26/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	666	pCi/L		100		1	D5072-92	11/18/10 15:53/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	11/30/10 14:57/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	11/30/10 14:57/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/30/10 14:57/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	11/30/10 14:57/eli-c
Boron	ND	mg/L		0.1		1	E200.8	11/30/10 14:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/30/10 14:57/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/30/10 14:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/30/10 14:57/eli-c
Iron	0.09	mg/L		0.03		1	E200.8	11/30/10 14:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/30/10 14:57/eli-c
Manganese	0.57	mg/L		0.01		1	E200.8	11/30/10 14:57/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	11/18/10 15:13/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	11/30/10 14:57/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/30/10 14:57/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	11/30/10 14:57/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/30/10 14:57/eli-c
Strontium	2.2	mg/L		0.1		1	E200.8	11/30/10 14:57/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	11/30/10 14:57/eli-c
Uranium	0.0097	mg/L		0.0003		1	E200.8	11/30/10 14:57/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/30/10 14:57/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.35	%				1	A1030 E	12/31/10 00:00/lkl
Anions	18.5	meq/L				1	A1030 E	12/31/10 00:00/lkl
Cations	17.7	meq/L				1	A1030 E	12/31/10 00:00/lkl
Solids, Total Dissolved Calculated	1190	mg/L				1	A1030 E	12/31/10 00:00/lkl
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	12/31/10 00:00/lkl

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LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 02/14/11

Client: Powertech USA Inc

Report Date: 02/01/11

Project: Dewey Groundwater Sampling

Collection Date: 12/14/10

Lab ID: R10120179-002

Date Received: 12/15/10

Client Sample ID: DB-09-21-02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO ₃	194	mg/L		5		1	A2320 B	12/20/10 15:12/hv
Carbonate as CO ₃	ND	mg/L		5		1	A2320 B	12/20/10 15:12/hv
Bicarbonate as HCO ₃	236	mg/L		5		1	A2320 B	12/20/10 15:12/hv
Calcium	167	mg/L		0.5		2	E200.7	12/22/10 19:03/eli-c
Chloride	10	mg/L		1		1	E300.0	12/17/10 00:00/tb
Fluoride	0.6	mg/L		0.1		1	E300.0	12/17/10 00:00/tb
Magnesium	47.8	mg/L		0.5		2	E200.7	12/22/10 19:03/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH ₃ G	12/28/10 12:20/hv
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	12/17/10 00:00/tb
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	12/17/10 00:00/tb
Potassium	11.9	mg/L		0.5		2	E200.7	12/22/10 19:03/eli-c
Sodium	128	mg/L	D	0.6		2	E200.7	12/22/10 19:03/eli-c
Sulfate	682	mg/L	D	10		10	E300.0	12/16/10 23:43/tb
Silica	9.3	mg/L		0.2		2	E200.7	01/17/11 12:58/eli-c
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1540	umhos/cm		5.0		1	A2510 B	12/21/10 09:39/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	12/21/10 16:30/jmh
pH	7.30	s.u.		0.01		1	A4500-H B	12/15/10 14:12/hv
Sodium Adsorption Ratio (SAR)	2.2	unitless		0.10		1	Calculation	01/18/11 16:25/ADM
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	D	10		1	A2540 C	12/15/10 16:33/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	12/22/10 19:03/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/28/10 08:58/eli-c
Barium	ND	mg/L		0.1		2	E200.7	12/22/10 19:03/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/22/10 19:03/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	12/22/10 19:03/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	12/22/10 19:03/eli-c
Copper	ND	mg/L		0.01		2	E200.7	12/22/10 19:03/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/22/10 19:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/28/10 08:58/eli-c
Manganese	0.58	mg/L		0.01		2	E200.7	12/22/10 19:03/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/28/10 08:58/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	12/22/10 19:03/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	12/22/10 19:03/eli-c
Selenium	0.002	mg/L		0.001		1	A3114 B	02/04/11 13:06/eli-c
Silver	ND	mg/L		0.005		2	E200.7	12/22/10 19:03/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/13/11 21:31/eli-c

Report RL - Analyte reporting limit.

MCL - Maximum contaminant level.

Definitions: QCL - Quality control limit.

ND - Not detected at the reporting limit.

D - RL increased due to sample matrix.



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LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 02/14/11

Report Date: 02/01/11

Collection Date: 12/14/10

Date Received: 12/15/10

Matrix: AQUEOUS

Client: Powertech USA Inc

Project: Dewey Groundwater Sampling

Lab ID: R10120179-002

Client Sample ID: DB-09-21-02

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0083	mg/L		0.0003		1	E200.8	12/28/10 08:58/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	12/22/10 19:03/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	12/22/10 19:03/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	01/06/11 02:09/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/04/11 11:26/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	02/04/11 13:53/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.2	pCi/L				1	E900.0	01/04/11 22:52/eli-ca
Gross Alpha precision (±)	5.0	pCi/L				1	E900.0	01/04/11 22:52/eli-ca
Gross Alpha MDC	6.6	pCi/L				1	E900.0	01/04/11 22:52/eli-ca
Gross Beta	22.4	pCi/L				1	E900.0	01/04/11 22:52/eli-ca
Gross Beta precision (±)	5.0	pCi/L				1	E900.0	01/04/11 22:52/eli-ca
Gross Beta MDC	7.7	pCi/L				1	E900.0	01/04/11 22:52/eli-ca
Lead 210	-0.8	pCi/L	U			1	E909.0	01/03/11 21:35/eli-cs
Lead 210 precision (±)	0.8	pCi/L				1	E909.0	01/03/11 21:35/eli-cs
Lead 210 MDC	1.4	pCi/L				1	E909.0	01/03/11 21:35/eli-cs
Polonium 210	0.096	pCi/L	U			1	E912.0	01/05/11 11:54/eli-ca
Polonium 210 MDC	0.62	pCi/L				1	E912.0	01/05/11 11:54/eli-ca
Polonium 210 precision (±)	0.32	pCi/L				1	E912.0	01/05/11 11:54/eli-ca
Radium 226	2.5	pCi/L				1	E903.0	12/29/10 22:07/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/29/10 22:07/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	12/29/10 22:07/eli-c
Thorium 230	0.04	pCi/L	U			1	E908.0	01/09/11 13:55/eli-c
Thorium 230 MDC	0.1	pCi/L				1	E908.0	01/09/11 13:55/eli-c
Thorium 230 precision (±)	0.07	pCi/L				1	E908.0	01/09/11 13:55/eli-c
Gross Gamma	<162.4	pCi/L	U			1	E901.1	12/22/01 06:10/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.3	pCi/L	U			1	E909.0	01/07/11 00:08/eli-cs
Lead 210 precision (±)	1.5	pCi/L				1	E909.0	01/07/11 00:08/eli-cs
Lead 210 MDC	2.5	pCi/L				1	E909.0	01/07/11 00:08/eli-cs
Polonium 210	0.0	pCi/L	U			1	E912.0	01/30/11 12:31/eli-ca
Polonium 210 precision (±)	0.27	pCi/L				1	E912.0	01/30/11 12:31/eli-ca
Polonium 210 MDC	0.66	pCi/L				1	E912.0	01/30/11 12:31/eli-ca

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.
MDC - Minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 02/14/11

Client: Powertech USA Inc

Report Date: 02/01/11

Project: Dewey Groundwater Sampling

Collection Date: 12/14/10

Lab ID: R10120179-002

Date Received: 12/15/10

Client Sample ID: DB-09-21-02

Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/		Method	Analysis Date / By
					QCL	DF		
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.1	pCi/L	U			1	E903.0	01/03/11 12:21/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	01/03/11 12:21/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	01/03/11 12:21/eli-c
Thorium 230	-0.1	pCi/L	U			1	E908.0	01/02/11 13:19/eli-c
Thorium 230 MDC	0.2	pCi/L				1	E908.0	01/02/11 13:19/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E908.0	01/02/11 13:19/eli-c
- See Case Narrative regarding Ra226 analysis.								
RADIONUCLIDES - TOTAL								
Radon 222	241	pCi/L		100		1	D5072-92	12/16/10 16:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	12/28/10 09:32/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	12/28/10 09:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/28/10 09:32/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	12/28/10 09:32/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/28/10 16:45/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/28/10 09:32/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/28/10 09:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/28/10 09:32/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	12/28/10 16:45/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/28/10 09:32/eli-c
Manganese	0.52	mg/L		0.01		1	E200.8	12/28/10 09:32/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	12/20/10 16:54/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	12/28/10 09:32/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/28/10 09:32/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	12/28/10 09:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/28/10 09:32/eli-c
Strontium	2.2	mg/L		0.1		1	E200.8	12/28/10 09:32/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	12/28/10 09:32/eli-c
Uranium	0.0084	mg/L		0.0003		1	E200.8	12/28/10 09:32/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/28/10 09:32/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.560	%				1	A1030 E	01/24/11 00:00/jmh
Anions	18.4	meq/L				1	A1030 E	01/24/11 00:00/jmh
Cations	18.2	meq/L				1	A1030 E	01/24/11 00:00/jmh
Solids, Total Dissolved Calculated	1190	mg/L				1	A1030 E	01/24/11 00:00/jmh
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	01/24/11 00:00/jmh

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