POWERTECH (USA) INC.

APPENDIX 2.7-F

Surface Water Quality Analytical Results

SampleID	Sample Date	LabID	Page
BK01	11/07	R07110302-004	293
BLK01	12/07	R07120148-005	336
	03/08	R08030091-006	467
	04/08	R08040220-002	572
	05/08	R08050356-005	613
BVC01	07/07	R07070382-001	26
	08/07	R07080273-001	56
	09/07	R07090368-002	93
	10/07	R07100295-003	180
	11/07	R07110229-002	248
	12/07	R07120148-002	324
	12/07	R07120148-003	328
	01/08	R08010124-002	362
	03/08	R08030091-005	463
	04/08	R08040178-004	543
	05/08	R08050356-002	601
	06/08	R08060315-002	644
BVC04	07/07	R07070382-002	28
	08/07	R07080273-002	58
	10/07	R07100001-001	152
	10/07	R07100295-001	174
	11/07	R07110229-003	252
	12/07	R07120148-001	320
	01/08	R08010124-003	366
	03/08	R08030091-002	451
	03/08	R08030091-003	455
	04/08	R08040178-003	539
	05/08	R08050356-004	609
	06/08	R08060315-004	652
CHR01	08/07	R07080019-001	40
	09/07	R07090098-001	72
	09/07	R07090098-002	74
	09/07	R07090368-001	90
	10/07	R07100295-002	177
	11/07	R07110229-001	244
	03/08	R08030091-004	459
	04/08	R08040220-001	568
	05/08	R08050356-003	605
	06/08	R08060315-003	648

SampleID	Sample Date	LabID	Page
CHR05	08/07	R07080019-002	42
	09/07	R07090098-003	76
	09/07	R07090368-004	99
	10/07	R07100295-004	183
	11/07	R07110229-004	256
	12/07	R07120148-004	332
	01/08	R08010124-001	358
	02/08	R08020131-001	418
	03/08	R08030091-001	447
	04/08	R08040178-001	531
	04/08	R08040178-002	535
	05/08	R08050356-001	597
	06/08	R08060315-001	640
PSC01	07/07	R07070315-001	7
	07/08	R08070340-001	784
	07/08	R08070343-001	830
PSC02	07/07	R07070315-002	9
	07/08	R08070340-002	788
	07/08	R08070343-002	833
	07/08	R08070343-003	836
SUB01	03/08	R08030252-003	499
	06/08	R08060347-001	700
SUB02	09/07	R07090389-002	119
	11/07	R07110147-001	205
	02/08	R08020083-003	395
	06/08	R08060347-002	704
	06/08	R08060347-003	708
SUB03	11/07	R07110147-003	213
	06/08	R08060347-004	712
SUB04	11/07	R07110147-002	209
	06/08	R08060316-001	676
SUB06	09/07	R07090389-003	122
	11/07	R07110302-001	281
	11/07	R07110302-002	285
	02/08	R08020083-002	391
	06/08	R08060403-003	747
SUB07	09/07	R07090389-001	116
	11/07	R07110147-004	217
	03/08	R08030252-002	495
	06/08	R08060403-004	751

SampleID	Sample Date	LabID	Page
SUB08	09/07	R07090368-003	96
	02/08	R08020083-001	388
	06/08	R08060403-001	739
SUB09	03/08	R08030252-004	503
	06/08	R08060403-002	743
SUB10	03/08	R08030252-005	507
	06/08	R08060403-006	759
SUB11	09/07	R07090389-004	125
	11/07	R07110302-003	289
	03/08	R08030252-001	491
	06/08	R08060403-005	755
SUB24	02/08	R08020131-002	422
UNT01	07/08	R08070342-001	810

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ANALYTICAL SUMMARY REPORT

November 09, 2007

Dan Hoyer
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Revised Fecal #'s

Workorder No.: R07070315

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 7/20/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07070315-001	DewBurd PSC01	07/19/07 10:45	07/20/07	Aqueous	Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Anions by Ion Chromatography pH Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Radium 226, Total Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07070315-002	DewBurd PSC02	07/19/07 11:30	07/20/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

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Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

Date: *09-Nov-07*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R07070315

CASE NARRATIVE

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

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

During the course of analyzing your sample(s) the following exceptions were noted.
- reissue of fecal data requested by client

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

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

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

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

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LABORATORY ANALYTICAL REPORT

Revised Date: 11/09/07
Report Date: 09/03/07
Collection Date: 07/19/07 10:45
Date Received: 07/20/07
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070315-001
Client Sample ID: DewBurd PSC01

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	4000	CFU/100ml	D	10		10	A9222 D	07/20/07 10:45/jmh
Value is approximate. A small enough aliquot was not used to determine an accurate result.								
MAJOR IONS								
Alkalinity, Total as CaCO3	56	mg/L		5		1	A2320 B	07/23/07 17:44/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/23/07 17:44/jn
Bicarbonate as HCO3	68	mg/L		5		1	A2320 B	07/23/07 17:44/jn
Calcium	510	mg/L	D	1		10	E200.7	08/03/07 13:28/eli-c
Chloride	2.8	mg/L		1.0		1	E300.0	07/20/07 20:58/jmh
Fluoride	0.14	mg/L		0.10		1	E300.0	07/20/07 20:58/jmh
Magnesium	30.5	mg/L		0.5		1	E200.7	08/02/07 21:57/eli-c
Nitrogen, Nitrate as N	0.77	mg/L		0.10		1	E300.0	07/20/07 20:58/jmh
Potassium	12.4	mg/L		0.5		1	E200.7	08/02/07 21:57/eli-c
Silica	16.5	mg/L		0.5		1	E200.7	08/02/07 21:57/eli-c
Sodium	6.3	mg/L		0.5		1	E200.7	08/02/07 21:57/eli-c
Sulfate	1400	mg/L		1.0		1	E300.0	07/20/07 20:58/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1840	umhos/cm		5		1	A2510 B	07/24/07 18:04/ch
pH	7.16	s.u.		0.01		1	A4500-H B	07/24/07 17:21/ch
Solids, Suspended Sediment SSC @ 105 C	134	mg/L		5		1	D3977	07/20/07 15:02/jn
Solids, Total Dissolved TDS @ 180 C	1700	mg/L		5		1	A2540 C	07/25/07 08:49/jn
Solids, Total Suspended TSS @ 105 C	150	mg/L		5		1	A2540 D	07/23/07 15:29/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	08/02/07 01:27/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	08/02/07 01:27/eli-c
METALS - TOTAL								
Arsenic	0.003	mg/L		0.001		10	E200.8	07/28/07 08:20/eli-c
Barium	0.2	mg/L		0.1		10	E200.8	07/28/07 08:20/eli-c
Boron	ND	mg/L		0.1		1	E200.7	08/02/07 21:57/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/28/07 08:20/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/28/07 08:20/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/28/07 08:20/eli-c
Iron	2.00	mg/L		0.03		1	E200.7	08/02/07 21:57/eli-c
Lead	0.002	mg/L		0.001		10	E200.8	07/28/07 08:20/eli-c
Manganese	0.16	mg/L		0.01		10	E200.8	07/28/07 08:20/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	07/28/07 08:20/eli-c

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

LABORATORY ANALYTICAL REPORT

Revised Date: 11/09/07
Report Date: 09/03/07
Collection Date: 07/19/07 10:45
Date Received: 07/20/07
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070315-001
Client Sample ID: DewBurd PSC01

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		10	E200.8	07/28/07 08:20/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/28/07 08:20/eli-c
Selenium	0.002	mg/L	D	0.002		10	E200.8	07/28/07 08:20/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/28/07 08:20/eli-c
Uranium	0.0100	mg/L		0.0003		10	E200.8	07/28/07 08:20/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	07/28/07 08:20/eli-c
Zinc	0.03	mg/L		0.01		10	E200.8	07/28/07 08:20/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	8.8	pCi/L		1.0		1	E900.0	08/06/07 00:52/eli-c
Gross Alpha precision (±)	1.2	pCi/L				1	E900.0	08/06/07 00:52/eli-c
Gross Beta	15.1	pCi/L		2.0		1	E900.0	08/06/07 00:52/eli-c
Gross Beta precision (±)	3.6	pCi/L				1	E900.0	08/06/07 00:52/eli-c
Radium 226	0.7	pCi/L		0.2		1	E903.0	08/01/07 15:00/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	08/01/07 15:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.54	%				1	A1030 E	08/28/07 11:21/lkl
Anions	30.5	meq/L				1	A1030 E	08/28/07 11:21/lkl
Cations	29.0	meq/L				1	A1030 E	08/28/07 11:21/lkl
Solids, Total Dissolved Calculated	2020	mg/L				1	A1030 E	08/28/07 11:21/lkl
TDS Balance (0.80 - 1.20)	0.860	dec. %				1	A1030 E	08/28/07 11:21/lkl

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Revised Date: 11/09/07
Report Date: 09/03/07
Collection Date: 07/19/07 11:30
Date Received: 07/20/07
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070315-002
Client Sample ID: DewBurd PSC02

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	4400	CFU/100ml	D	10		10	A9222 D	07/20/07 10:45/jmh
Value is approximate. A small enough aliquot was not used to determine an accurate result.								
MAJOR IONS								
Alkalinity, Total as CaCO3	50	mg/L		5		1	A2320 B	07/23/07 17:43/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/23/07 17:43/jn
Bicarbonate as HCO3	61	mg/L		5		1	A2320 B	07/23/07 17:43/jn
Calcium	270	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Chloride	1.6	mg/L		1.0		1	E300.0	07/20/07 21:47/jmh
Fluoride	0.14	mg/L		0.10		1	E300.0	07/20/07 21:47/jmh
Magnesium	18	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Nitrogen, Nitrate as N	0.56	mg/L		0.10		1	E300.0	07/20/07 21:47/jmh
Potassium	8	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Silica	7	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Sodium	2	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Sulfate	645	mg/L	D	14		20	E300.0	07/26/07 01:01/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1240	umhos/cm		5		1	A2510 B	07/24/07 18:04/ch
pH	7.26	s.u.		0.01		1	A4500-H B	07/24/07 17:22/ch
Solids, Suspended Sediment SSC @ 105 C	108	mg/L		5		1	D3977	07/20/07 15:02/jn
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		5		1	A2540 C	07/23/07 11:53/jn
Solids, Total Suspended TSS @ 105 C	140	mg/L		5		1	A2540 D	07/23/07 15:30/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	08/02/07 01:33/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	08/02/07 01:33/eli-c
METALS - TOTAL								
Arsenic	0.003	mg/L		0.001		10	E200.8	07/28/07 08:27/eli-c
Barium	0.3	mg/L		0.1		10	E200.8	07/28/07 08:27/eli-c
Boron	ND	mg/L		0.1		1	E200.7	08/02/07 22:04/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/28/07 08:27/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/28/07 08:27/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/28/07 08:27/eli-c
Iron	0.28	mg/L		0.03		1	E200.7	08/02/07 22:54/eli-c
Lead	0.002	mg/L		0.001		10	E200.8	07/28/07 08:27/eli-c
Manganese	0.12	mg/L		0.01		10	E200.8	07/28/07 08:27/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	07/28/07 08:27/eli-c

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

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LABORATORY ANALYTICAL REPORT

Revised Date: 11/09/07
Report Date: 09/03/07
Collection Date: 07/19/07 11:30
Date Received: 07/20/07
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070315-002
Client Sample ID: DewBurd PSC02

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		10	E200.8	07/28/07 08:27/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/28/07 08:27/eli-c
Selenium	0.003	mg/L	D	0.002		10	E200.8	07/28/07 08:27/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/28/07 08:27/eli-c
Uranium	0.0012	mg/L		0.0003		10	E200.8	07/28/07 08:27/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	07/28/07 08:27/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	07/28/07 08:27/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	1.9	pCi/L		1.0		1	E900.0	08/06/07 00:52/eli-c
Gross Alpha precision (±)	0.7	pCi/L				1	E900.0	08/06/07 00:52/eli-c
Gross Beta	11.9	pCi/L		2.0		1	E900.0	08/06/07 00:52/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	08/06/07 00:52/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	08/01/07 15:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.42	%				1	A1030 E	08/28/07 11:21/lkl
Anions	14.5	meq/L				1	A1030 E	08/28/07 11:21/lkl
Cations	15.6	meq/L				1	A1030 E	08/28/07 11:21/lkl
Solids, Total Dissolved Calculated	998	mg/L				1	A1030 E	08/28/07 11:21/lkl
TDS Balance (0.80 - 1.20)	1.07	dec. %				1	A1030 E	08/28/07 11:21/lkl

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

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ANALYTICAL SUMMARY REPORT

September 03, 2007

Dan Hoyer
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R07070315

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 7/20/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07070315-001	DewBurd PSC01	07/19/07 10:45	07/20/07	Aqueous	Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Anions by Ion Chromatography pH Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Radium 226, Total Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07070315-002	DewBurd PSC02	07/19/07 11:30	07/20/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070315-001
Client Sample ID: DewBurd PSC01

Report Date: 09/03/07
Collection Date: 07/19/07 10:45
Date Received: 07/20/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	>2000	CFU/100ml	D	10		10	A9222 D	07/20/07 10:45/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	56	mg/L		5		1	A2320 B	07/23/07 17:44/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/23/07 17:44/jn
Bicarbonate as HCO3	68	mg/L		5		1	A2320 B	07/23/07 17:44/jn
Calcium	510	mg/L	D	1		10	E200.7	08/03/07 13:28/eli-c
Chloride	2.8	mg/L		1.0		1	E300.0	07/20/07 20:58/jmh
Fluoride	0.14	mg/L		0.10		1	E300.0	07/20/07 20:58/jmh
Magnesium	30.5	mg/L		0.5		1	E200.7	08/02/07 21:57/eli-c
Nitrogen, Nitrate as N	0.77	mg/L		0.10		1	E300.0	07/20/07 20:58/jmh
Potassium	12.4	mg/L		0.5		1	E200.7	08/02/07 21:57/eli-c
Silica	16.5	mg/L		0.5		1	E200.7	08/02/07 21:57/eli-c
Sodium	6.3	mg/L		0.5		1	E200.7	08/02/07 21:57/eli-c
Sulfate	1400	mg/L		1.0		1	E300.0	07/20/07 20:58/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1840	umhos/cm		5		1	A2510 B	07/24/07 18:04/ch
pH	7.16	s.u.		0.01		1	A4500-H B	07/24/07 17:21/ch
Solids, Suspended Sediment SSC @ 105 C	134	mg/L		5		1	D3977	07/20/07 15:02/jn
Solids, Total Dissolved TDS @ 180 C	1700	mg/L		5		1	A2540 C	07/25/07 08:49/jn
Solids, Total Suspended TSS @ 105 C	150	mg/L		5		1	A2540 D	07/23/07 15:29/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	08/02/07 01:27/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	08/02/07 01:27/eli-c
METALS - TOTAL								
Arsenic	0.003	mg/L		0.001		10	E200.8	07/28/07 08:20/eli-c
Barium	0.2	mg/L		0.1		10	E200.8	07/28/07 08:20/eli-c
Boron	ND	mg/L		0.1		1	E200.7	08/02/07 21:57/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/28/07 08:20/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/28/07 08:20/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/28/07 08:20/eli-c
Iron	2.00	mg/L		0.03		1	E200.7	08/02/07 21:57/eli-c
Lead	0.002	mg/L		0.001		10	E200.8	07/28/07 08:20/eli-c
Manganese	0.16	mg/L		0.01		10	E200.8	07/28/07 08:20/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	07/28/07 08:20/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070315-001
Client Sample ID: DewBurd PSC01

Report Date: 09/03/07
Collection Date: 07/19/07 10:45
Date Received: 07/20/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		10	E200.8	07/28/07 08:20/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/28/07 08:20/eli-c
Selenium	0.002	mg/L	D	0.002		10	E200.8	07/28/07 08:20/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/28/07 08:20/eli-c
Uranium	0.0100	mg/L		0.0003		10	E200.8	07/28/07 08:20/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	07/28/07 08:20/eli-c
Zinc	0.03	mg/L		0.01		10	E200.8	07/28/07 08:20/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	8.8	pCi/L		1.0		1	E900.0	08/06/07 00:52/eli-c
Gross Alpha precision (±)	1.2	pCi/L				1	E900.0	08/06/07 00:52/eli-c
Gross Beta	15.1	pCi/L		2.0		1	E900.0	08/06/07 00:52/eli-c
Gross Beta precision (±)	3.6	pCi/L				1	E900.0	08/06/07 00:52/eli-c
Radium 226	0.7	pCi/L		0.2		1	E903.0	08/01/07 15:00/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	08/01/07 15:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.54	%				1	A1030 E	08/28/07 11:21/lkl
Anions	30.5	meq/L				1	A1030 E	08/28/07 11:21/lkl
Cations	29.0	meq/L				1	A1030 E	08/28/07 11:21/lkl
Solids, Total Dissolved Calculated	2020	mg/L				1	A1030 E	08/28/07 11:21/lkl
TDS Balance (0.80 - 1.20)	0.860	dec. %				1	A1030 E	08/28/07 11:21/lkl

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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070315-002
Client Sample ID: DewBurd PSC02

Report Date: 09/03/07
Collection Date: 07/19/07 11:30
Date Received: 07/20/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	>2000	CFU/100ml	D	10		10	A9222 D	07/20/07 10:45/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	50	mg/L		5		1	A2320 B	07/23/07 17:43/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/23/07 17:43/jn
Bicarbonate as HCO3	61	mg/L		5		1	A2320 B	07/23/07 17:43/jn
Calcium	270	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Chloride	1.6	mg/L		1.0		1	E300.0	07/20/07 21:47/jmh
Fluoride	0.14	mg/L		0.10		1	E300.0	07/20/07 21:47/jmh
Magnesium	18	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Nitrogen, Nitrate as N	0.56	mg/L		0.10		1	E300.0	07/20/07 21:47/jmh
Potassium	8	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Silica	7	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Sodium	2	mg/L		1		1	E200.7	08/02/07 22:54/eli-c
Sulfate	645	mg/L	D	14		20	E300.0	07/26/07 01:01/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1240	umhos/cm		5		1	A2510 B	07/24/07 18:04/ch
pH	7.26	s.u.		0.01		1	A4500-H B	07/24/07 17:22/ch
Solids, Suspended Sediment SSC @ 105 C	108	mg/L		5		1	D3977	07/20/07 15:02/jn
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		5		1	A2540 C	07/23/07 11:53/jn
Solids, Total Suspended TSS @ 105 C	140	mg/L		5		1	A2540 D	07/23/07 15:30/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	08/02/07 01:33/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	08/02/07 01:33/eli-c
METALS - TOTAL								
Arsenic	0.003	mg/L		0.001		10	E200.8	07/28/07 08:27/eli-c
Barium	0.3	mg/L		0.1		10	E200.8	07/28/07 08:27/eli-c
Boron	ND	mg/L		0.1		1	E200.7	08/02/07 22:04/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/28/07 08:27/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	07/28/07 08:27/eli-c
Copper	ND	mg/L		0.01		10	E200.8	07/28/07 08:27/eli-c
Iron	0.28	mg/L		0.03		1	E200.7	08/02/07 22:54/eli-c
Lead	0.002	mg/L		0.001		10	E200.8	07/28/07 08:27/eli-c
Manganese	0.12	mg/L		0.01		10	E200.8	07/28/07 08:27/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	07/28/07 08:27/eli-c

Report Definitions:
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D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070315-002
Client Sample ID: DewBurd PSC02

Report Date: 09/03/07
Collection Date: 07/19/07 11:30
Date Received: 07/20/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		10	E200.8	07/28/07 08:27/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	07/28/07 08:27/eli-c
Selenium	0.003	mg/L	D	0.002		10	E200.8	07/28/07 08:27/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/28/07 08:27/eli-c
Uranium	0.0012	mg/L		0.0003		10	E200.8	07/28/07 08:27/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	07/28/07 08:27/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	07/28/07 08:27/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	1.9	pCi/L		1.0		1	E900.0	08/06/07 00:52/eli-c
Gross Alpha precision (±)	0.7	pCi/L				1	E900.0	08/06/07 00:52/eli-c
Gross Beta	11.9	pCi/L		2.0		1	E900.0	08/06/07 00:52/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	08/06/07 00:52/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	08/01/07 15:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.42	%				1	A1030 E	08/28/07 11:21/lkl
Anions	14.5	meq/L				1	A1030 E	08/28/07 11:21/lkl
Cations	15.6	meq/L				1	A1030 E	08/28/07 11:21/lkl
Solids, Total Dissolved Calculated	998	mg/L				1	A1030 E	08/28/07 11:21/lkl
TDS Balance (0.80 - 1.20)	1.07	dec. %				1	A1030 E	08/28/07 11:21/lkl

Report Definitions:
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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 070723A-ALK-SEL-W	
Sample ID: MBLK1_070723A	Method Blank				Run: PH_COND1-R_070723A			07/23/07 17:32	
Alkalinity, Total as CaCO3	4	mg/L	3						
Sample ID: LCS1_070723A	Laboratory Control Sample				Run: PH_COND1-R_070723A			07/23/07 17:34	
Alkalinity, Total as CaCO3	988	mg/L	5.0	98	90	110			
Method: A2510 B								Batch: 070724_1_COND-PROBE-W	
Sample ID: LCS1-1_070724	Laboratory Control Sample				Run: PH_COND2-R_070724B			07/24/07 17:54	
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_070724	Laboratory Control Sample				Run: PH_COND2-R_070724B			07/24/07 17:56	
Conductivity @ 25 C	5000	umhos/cm	5.0	100	90	110			
Sample ID: LCS_COND-1_070724	Laboratory Control Sample				Run: PH_COND2-R_070724B			07/24/07 17:57	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_070724	Method Blank				Run: PH_COND2-R_070724B			07/24/07 17:58	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 070723A-SLDS-TDS-W	
Sample ID: MBLK1_070723A	Method Blank				Run: BAL-4-R_070723B			07/23/07 11:48	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_070723A	Laboratory Control Sample				Run: BAL-4-R_070723B			07/23/07 11:49	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	106	90	110			
Sample ID: R07070329-001BMS	Sample Matrix Spike				Run: BAL-4-R_070723B			07/23/07 11:55	
Solids, Total Dissolved TDS @ 180 C	2800	mg/L	5.0	111	80	120			
Method: A2540 D								Batch: 070723A-SLDS-TSS-W	
Sample ID: MBLK1_070723A	Method Blank				Run: BAL-4-R_070723A			07/23/07 13:15	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_070723A	Laboratory Control Sample				Run: BAL-4-R_070723A			07/23/07 13:16	
Solids, Total Suspended TSS @ 105 C	190	mg/L	5.0	94	85	115			
Method: A4500-H B								Batch: 070724_1_PH-W	
Sample ID: LCS_pH-1_070724	Laboratory Control Sample				Run: PH_COND2-R_070724A			07/24/07 17:17	
pH	6.86	s.u.	0.010	100	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A9222 D								Batch: 070720-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_070720A			07/20/07 10:45	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						
Method: D3977								Batch: 070720A-SLDS-SSC-W	
Sample ID: MBLK1_070720A	Method Blank				Run: BAL-4-R_070720A			07/20/07 14:51	
Solids, Suspended Sediment SSC @ 1	ND	mg/L							

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R87501	
Sample ID: LRB	Method Blank				Run: SUB-C87501			08/02/07 15:09	
Boron	ND	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Iron	ND	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.08						
Silica	ND	mg/L	0.06						
Sodium	ND	mg/L	0.06						
Silicon as SiO2	ND	mg/L	0.06						
Sample ID: R07070315-002D	Sample Matrix Spike				Run: SUB-C87501			08/02/07 22:07	
Boron	0.534	mg/L	0.10	94	70	130			
Calcium	322	mg/L	0.50		70	130			A
Magnesium	68.7	mg/L	0.50	96	70	130			
Potassium	56.9	mg/L	0.50	96	70	130			
Sodium	50.5	mg/L	0.50	97	70	130			
Sample ID: R07070315-002D	Sample Matrix Spike Duplicate				Run: SUB-C87501			08/02/07 22:10	
Boron	0.523	mg/L	0.10	92	70	130	2.1	20	
Calcium	308	mg/L	0.50		70	130	4.3	20	A
Magnesium	66.8	mg/L	0.50	93	70	130	2.8	20	
Potassium	55.9	mg/L	0.50	94	70	130	1.8	20	
Sodium	49.2	mg/L	0.50	94	70	130	2.6	20	
Sample ID: C07071132-001AMS	Sample Matrix Spike				Run: SUB-C87501			08/02/07 23:13	
Boron	4.6	mg/L	0.10	93	70	130			
Iron	4.5	mg/L	0.051	90	70	130			
Calcium	1200	mg/L	1.1	84	70	130			
Magnesium	520	mg/L	1.1	95	70	130			
Potassium	1300	mg/L	0.84	94	70	130			
Silica	6.7	mg/L	0.42	86	70	130			
Sodium	480	mg/L	1.2	91	70	130			
Sample ID: C07071132-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C87501			08/02/07 23:16	
Boron	4.7	mg/L	0.10	94	70	130	1.5	20	
Iron	4.6	mg/L	0.051	92	70	130	1.6	20	
Calcium	1200	mg/L	1.1	84	70	130	0.0	20	
Magnesium	520	mg/L	1.1	96	70	130	0.4	20	
Potassium	1300	mg/L	0.84	94	70	130	0.1	20	
Silica	6.3	mg/L	0.42	79	70	130	5.7	20	
Sodium	480	mg/L	1.2	92	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7_8									Batch: C_R87501
Sample ID: LFB-ICP25304	Laboratory Fortified Blank				Run: SUB-C87501				08/02/07 14:55
Boron	1.9	mg/L	0.10	95	85	125			
Calcium	50	mg/L	0.50	94	85	125			
Iron	1.9	mg/L	0.030	94	85	125			
Magnesium	50	mg/L	0.50	98	85	125			
Potassium	47	mg/L	0.50	93	85	125			
Silica	1.9	mg/L	0.10	86	85	125			
Sodium	49	mg/L	0.50	87	85	125			
Sample ID: LFB-ICP25304	Laboratory Fortified Blank				Run: SUB-C87501				08/03/07 00:26
Boron	2.0	mg/L	0.10	98	85	125			
Iron	1.9	mg/L	0.030	96	85	125			
Calcium	50	mg/L	0.50	101	85	125			
Magnesium	51	mg/L	0.50	101	85	125			
Potassium	48	mg/L	0.50	95	85	125			
Silica	1.9	mg/L	0.10	94	85	125			
Sodium	48	mg/L	0.50	96	85	125			
Sample ID: LRB	Method Blank				Run: SUB-C87501				08/03/07 00:40
Boron	ND	mg/L	0.004						
Iron	ND	mg/L	0.002						
Calcium	ND	mg/L	0.04						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.08						
Silica	ND	mg/L	0.06						
Sodium	ND	mg/L	0.06						
Silicon as SiO2	ND	mg/L	0.06						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15414
Sample ID: MB-15414	Method Blank				Run: SUB-C87179				07/28/07 06:52
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	ND	mg/L	5E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	3E-05						
Mercury	ND	mg/L	6E-06						
Molybdenum	0.0004	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	4E-05						
Thorium 232	ND	mg/L	7E-05						
Uranium	4E-05	mg/L	3E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	0.0009	mg/L	0.0003						
Sample ID: LCS1-15414	Laboratory Control Sample				Run: SUB-C87179				07/28/07 06:59
Arsenic	0.0194	mg/L	0.0010	97	80	120			
Barium	0.0199	mg/L	0.10	99	80	120			
Cadmium	0.0199	mg/L	0.010	99	80	120			
Chromium	0.0189	mg/L	0.050	95	80	120			
Copper	0.0192	mg/L	0.010	96	80	120			
Lead	0.0197	mg/L	0.050	99	80	120			
Manganese	0.0191	mg/L	0.010	96	80	120			
Molybdenum	0.0206	mg/L	0.10	101	80	120			
Nickel	0.0189	mg/L	0.050	94	80	120			
Selenium	0.0977	mg/L	0.0010	98	80	120			
Silver	0.0169	mg/L	0.010	84	80	120			
Thorium 232	0.0179	mg/L	0.0010	89	80	120			
Uranium	0.0193	mg/L	0.00030	97	80	120			
Vanadium	0.0190	mg/L	0.10	95	80	120			
Zinc	0.0205	mg/L	0.010	98	80	120			
Sample ID: R07070315-002D	Post Digestion Spike				Run: SUB-C87179				07/28/07 09:00
Arsenic	0.543	mg/L	0.0010	108	70	130			
Barium	0.822	mg/L	0.10	108	70	130			
Cadmium	0.536	mg/L	0.010	107	70	130			
Chromium	0.542	mg/L	0.050	108	70	130			
Copper	0.533	mg/L	0.010	105	70	130			
Lead	0.549	mg/L	0.050	109	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15414
Sample ID: R07070315-002D	Post Digestion Spike				Run: SUB-C87179				07/28/07 09:00
Manganese	0.668	mg/L	0.010	109	70	130			
Mercury	0.0504	mg/L	0.0010	101	70	130			
Molybdenum	0.536	mg/L	0.10	105	70	130			
Nickel	0.544	mg/L	0.050	108	70	130			
Selenium	0.629	mg/L	0.0020	125	70	130			
Silver	0.227	mg/L	0.010	113	70	130			
Thorium 232	0.540	mg/L	0.0010	108	70	130			
Uranium	0.546	mg/L	0.00032	109	70	130			
Vanadium	0.552	mg/L	0.10	108	70	130			
Zinc	0.598	mg/L	0.010	116	70	130			
Sample ID: R07070315-002D	Post Digestion Spike Duplicate				Run: SUB-C87179				07/28/07 09:07
Arsenic	0.536	mg/L	0.0010	106	70	130	1.3	20	
Barium	0.823	mg/L	0.10	109	70	130	0.2	20	
Cadmium	0.536	mg/L	0.010	107	70	130	0.1	20	
Chromium	0.528	mg/L	0.050	105	70	130	2.7	20	
Copper	0.528	mg/L	0.010	104	70	130	0.8	20	
Lead	0.540	mg/L	0.050	108	70	130	1.7	20	
Manganese	0.649	mg/L	0.010	105	70	130	3.0	20	
Mercury	0.0498	mg/L	0.0010	100	70	130	1.2	20	
Molybdenum	0.537	mg/L	0.10	106	70	130	0.3	20	
Nickel	0.534	mg/L	0.050	106	70	130	1.8	20	
Selenium	0.624	mg/L	0.0020	124	70	130	0.8	20	
Silver	0.229	mg/L	0.010	115	70	130	1.1	20	
Thorium 232	0.532	mg/L	0.0010	106	70	130	1.5	20	
Uranium	0.535	mg/L	0.00032	107	70	130	2.0	20	
Vanadium	0.539	mg/L	0.10	106	70	130	2.4	20	
Zinc	0.559	mg/L	0.010	108	70	130	6.9	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_15499	
Sample ID: MB-15499	Method Blank				Run: SUB-C87452			08/02/07 00:46	
Thorium 232	0.0004	mg/L							
Uranium	0.00010	mg/L	2E-05						
Sample ID: LCS-15499	Laboratory Control Sample				Run: SUB-C87452			08/02/07 00:53	
Uranium	0.0487	mg/L	0.00030	92	85	115			
Sample ID: R07070382-002F	Post Digestion Spike				Run: SUB-C87452			08/02/07 01:53	
Thorium 232	0.0483	mg/L	0.0010	94	70	130			
Uranium	0.0486	mg/L	0.00030	95	70	130			
Sample ID: R07070382-002F	Post Digestion Spike Duplicate				Run: SUB-C87452			08/02/07 02:00	
Thorium 232	0.0487	mg/L	0.0010	95	70	130	0.9	20	
Uranium	0.0488	mg/L	0.00030	95	70	130	0.4	20	
Method: E300.0								Batch: R30560	
Sample ID: LFB0707200709-3	Laboratory Fortified Blank				Run: DIONEX_070720A			07/20/07 17:57	
Chloride	4.8	mg/L	0.50	97	90	110			
Fluoride	2.0	mg/L	0.10	99	90	110			
Nitrogen, Nitrate as N	2.4	mg/L	0.10	97	90	110			
Sulfate	15	mg/L	1.0	99	90	110			
Sample ID: LFB0707200709-4	Laboratory Fortified Blank				Run: DIONEX_070720A			07/20/07 18:14	
Chloride	4.7	mg/L	0.50	93	90	110			
Fluoride	1.9	mg/L	0.10	96	90	110			
Nitrogen, Nitrate as N	2.3	mg/L	0.10	93	90	110			
Sulfate	14	mg/L	1.0	96	90	110			
Sample ID: R07070315-002BMS	Sample Matrix Spike				Run: DIONEX_070720A			07/20/07 22:04	
Chloride	6.4	mg/L	0.50	96	80	120			
Fluoride	2.2	mg/L	0.10	104	80	120			
Nitrogen, Nitrate as N	3.0	mg/L	0.10	96	80	120			
Sulfate	760	mg/L	1.0		80	120			A
Sample ID: R07070315-002BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070720A			07/20/07 22:20	
Chloride	6.1	mg/L	0.50	88	80	120	6.1	10	
Fluoride	2.1	mg/L	0.10	100	80	120	4.1	10	
Nitrogen, Nitrate as N	2.9	mg/L	0.10	92	80	120	3.8	10	
Sulfate	760	mg/L	1.0		80	120	0.7	10	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R30670
Sample ID: LFB0707252001-3	Laboratory Fortified Blank				Run: DIONEX_070725A				07/25/07 19:52
Sulfate	15	mg/L	1.0	99	90	110			
Sample ID: LFB0707252001-4	Laboratory Fortified Blank				Run: DIONEX_070725A				07/25/07 20:08
Sulfate	14	mg/L	1.0	96	90	110			
Sample ID: R07070315-001BMS	Sample Matrix Spike				Run: DIONEX_070725A				07/26/07 00:30
Sulfate	1300	mg/L	14	77	80	120			S
Sample ID: R07070315-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070725A				07/26/07 00:45
Sulfate	1300	mg/L	14	67	80	120	2.3	10	S
Method: E900.0									Batch: C_GrAB-0301
Sample ID: RB-GrAB-0301	Method Blank				Run: SUB-C87669				08/03/07 23:46
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0301	Laboratory Control Sample				Run: SUB-C87669				08/03/07 23:47
Gross Alpha	242	pCi/L	1.0	99	70	130			
Sample ID: C07070938-001BMS	Sample Matrix Spike				Run: SUB-C87669				08/03/07 23:47
Gross Beta	92.9	pCi/L	2.0	88	70	130			
Sample ID: C07070938-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C87669				08/03/07 23:47
Gross Beta	93.9	pCi/L	2.0	89	70	130	1.1	15.4	
Sample ID: C07070971-005CDUP	Sample Duplicate				Run: SUB-C87669				08/05/07 00:09
Gross Alpha	2.39	pCi/L	1.0				21	54.2	
Gross Beta	2.68	pCi/L	2.0				7.3	116.1	
Method: E903.0									Batch: C_RA226-2218
Sample ID: C07071190-004DMS	Sample Matrix Spike				Run: SUB-C87474				08/01/07 16:13
Radium 226	19	pCi/L	0.20	81	70	130			
Sample ID: C07071190-004DMSD	Sample Matrix Spike Duplicate				Run: SUB-C87474				08/01/07 16:13
Radium 226	17	pCi/L	0.20	73	70	130	8.9	31.1	
Sample ID: MB-RA226-2218	Method Blank				Run: SUB-C87474				08/02/07 00:14
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2218	Laboratory Control Sample				Run: SUB-C87474				08/02/07 00:14
Radium 226	13	pCi/L	0.20	103	70	130			

Qualifiers:

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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

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

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Powertech Dewey Burdock

Report Mail Address: 3824 Jet Drive Rapid City, SD 57703

Contact Name, Phone, Fax, E-mail: Cory Foreman (605) 381-0024 Cory.Foreman@respec.com

Sampler Name if other than Contact: Erik Krantz

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #: R278 R286

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

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

Comments:

Receipt Temp 15 °C Hand Delivered

Cooler ID(s)

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Uranium + Thorium 238	Full SW Quote 286							SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments	Lab ID
1	DewBurd PSC01	7-19-07	10:45		X	X										Sample Bottle set 2	07070315-001
2	DewBurd PSC02	7-19-07	11:30		X	X										Sample Bottle set 1	-002
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: Cory Foreman Date/Time: 7/20/07 8:55 Shipped by: Received by: Date/Time:

Relinquished by: Date/Time: Shipped by: Received by: Date/Time: 7/20/07 8:55

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

September 03, 2007

Dan Hoyer
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R07070382

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 7/25/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07070382-001	DewBurd BVC01	07/24/07 14:20	07/25/07	Aqueous	Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Anions by Ion Chromatography pH Metals Digestion by EPA 200.2 Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Radium 226, Total Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07070382-002	DewBurd BVC04	07/24/07 15:30	07/25/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070382-001
Client Sample ID: DewBurd BVC01

Report Date: 09/03/07
Collection Date: 07/24/07 14:20
Date Received: 07/25/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	68	CFU/100ml	D	2		2	A9222 D	07/25/07 14:20/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	134	mg/L		5		1	A2320 B	08/01/07 09:51/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	08/01/07 09:51/jn
Bicarbonate as HCO3	163	mg/L		5		1	A2320 B	08/01/07 09:51/jn
Calcium	68.4	mg/L		0.5		1	E200.7	07/31/07 18:15/eli-c
Chloride	101	mg/L		1.0		20	E300.0	07/25/07 21:40/jmh
Fluoride	0.70	mg/L		0.10		1	E300.0	07/25/07 21:56/jmh
Magnesium	29.5	mg/L		0.5		1	E200.7	07/31/07 18:15/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.10		1	E300.0	07/25/07 21:56/jmh
Potassium	9.5	mg/L		0.5		1	E200.7	07/31/07 18:15/eli-c
Silica	2.7	mg/L		0.5		1	E200.7	07/31/07 18:15/eli-c
Sodium	213	mg/L		0.5		1	E200.7	07/31/07 18:15/eli-c
Sulfate	463	mg/L	D	14		20	E300.0	07/25/07 21:40/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1480	umhos/cm		5		1	A2510 B	07/31/07 18:05/jmh
pH	8.31	s.u.		0.01		1	A4500-H B	07/31/07 17:54/jmh
Solids, Suspended Sediment SSC @ 105 C	19	mg/L		5		1	D3977	07/26/07 15:31/jn
Solids, Total Dissolved TDS @ 180 C	950	mg/L		5		1	A2540 C	07/31/07 09:21/jn
Solids, Total Suspended TSS @ 105 C	27	mg/L		5		1	A2540 D	07/30/07 13:54/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	08/02/07 01:40/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	08/02/07 01:40/eli-c
METALS - TOTAL								
Arsenic	0.002	mg/L		0.001		1	E200.8	08/01/07 19:36/eli-c
Barium	ND	mg/L		0.1		1	E200.8	08/01/07 19:36/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	07/31/07 18:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/01/07 19:36/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	08/01/07 19:36/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/01/07 19:36/eli-c
Iron	0.48	mg/L		0.03		1	E200.7	07/31/07 18:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/01/07 19:36/eli-c
Manganese	0.15	mg/L		0.01		1	E200.8	08/01/07 19:36/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/01/07 19:36/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070382-001
Client Sample ID: DewBurd BVC01

Report Date: 09/03/07
Collection Date: 07/24/07 14:20
Date Received: 07/25/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		1	E200.8	08/01/07 19:36/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	08/01/07 19:36/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	08/01/07 19:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	08/01/07 19:36/eli-c
Uranium	0.0040	mg/L		0.0003		1	E200.8	08/01/07 19:36/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	08/01/07 19:36/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	08/01/07 19:36/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	5.9	pCi/L		1.0		1	E900.0	08/10/07 21:23/eli-c
Gross Alpha precision (±)	0.9	pCi/L				1	E900.0	08/10/07 21:23/eli-c
Gross Beta	10.3	pCi/L		2.0		1	E900.0	08/10/07 21:23/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	08/10/07 21:23/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	08/06/07 14:52/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.715	%				1	A1030 E	08/15/07 14:44/ADM
Anions	15.2	meq/L				1	A1030 E	08/15/07 14:44/ADM
Cations	15.4	meq/L				1	A1030 E	08/15/07 14:44/ADM
Solids, Total Dissolved Calculated	967	mg/L				1	A1030 E	08/15/07 14:44/ADM
TDS Balance (0.80 - 1.20)	0.980	dec. %				1	A1030 E	08/15/07 14:44/ADM

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: R07070382-002
Client Sample ID: DewBurd BVC04

Report Date: 09/03/07
Collection Date: 07/24/07 15:30
Date Received: 07/25/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	110	CFU/100ml	D	2		2	A9222 D	07/25/07 14:20/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	80	mg/L		5		1	A2320 B	08/01/07 09:55/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	08/01/07 09:55/jn
Bicarbonate as HCO3	98	mg/L		5		1	A2320 B	08/01/07 09:55/jn
Calcium	146	mg/L		0.5		1	E200.7	07/31/07 18:22/eli-c
Chloride	251	mg/L		1.0		20	E300.0	07/25/07 22:11/jmh
Fluoride	0.45	mg/L		0.10		1	E300.0	07/25/07 22:26/jmh
Magnesium	47.7	mg/L		0.5		1	E200.7	07/31/07 18:22/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.10		1	E300.0	07/25/07 22:26/jmh
Potassium	10	mg/L		0.5		1	E200.7	07/31/07 18:22/eli-c
Silica	7.9	mg/L		0.5		1	E200.7	07/31/07 18:22/eli-c
Sodium	404	mg/L		0.5		1	E200.7	07/31/07 18:22/eli-c
Sulfate	859	mg/L	D	14		20	E300.0	07/25/07 22:11/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2660	umhos/cm		5		1	A2510 B	07/31/07 18:06/jmh
pH	7.72	s.u.		0.01		1	A4500-H B	07/31/07 17:55/jmh
Solids, Suspended Sediment SSC @ 105 C	111	mg/L		5		1	D3977	07/26/07 15:32/jn
Solids, Total Dissolved TDS @ 180 C	1800	mg/L		5		1	A2540 C	07/31/07 09:21/jn
Solids, Total Suspended TSS @ 105 C	100	mg/L		5		1	A2540 D	07/30/07 13:55/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	08/02/07 01:47/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	08/02/07 01:47/eli-c
METALS - TOTAL								
Arsenic	0.003	mg/L		0.001		1	E200.8	08/01/07 19:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	08/01/07 19:43/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	07/31/07 18:22/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/01/07 19:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	08/01/07 19:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/01/07 19:43/eli-c
Iron	1.34	mg/L		0.03		1	E200.7	07/31/07 18:22/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	08/01/07 19:43/eli-c
Manganese	0.51	mg/L		0.01		1	E200.8	08/01/07 19:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/01/07 19:43/eli-c

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

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07070382-002
Client Sample ID: DewBurd BVC04

Report Date: 09/03/07
Collection Date: 07/24/07 15:30
Date Received: 07/25/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		1	E200.8	08/01/07 19:43/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	08/01/07 19:43/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	08/01/07 19:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	08/01/07 19:43/eli-c
Uranium	0.0073	mg/L		0.0003		1	E200.8	08/01/07 19:43/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	08/01/07 19:43/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	08/01/07 19:43/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	11.4	pCi/L		1.0		1	E900.0	08/11/07 09:40/eli-c
Gross Alpha precision (±)	2.1	pCi/L				1	E900.0	08/11/07 09:40/eli-c
Gross Beta	13.9	pCi/L		2.0		1	E900.0	08/11/07 09:40/eli-c
Gross Beta precision (±)	5.1	pCi/L				1	E900.0	08/11/07 09:40/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	08/06/07 15:52/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.79	%				1	A1030 E	08/15/07 14:45/ADM
Anions	26.6	meq/L				1	A1030 E	08/15/07 14:45/ADM
Cations	29.3	meq/L				1	A1030 E	08/15/07 14:45/ADM
Solids, Total Dissolved Calculated	1770	mg/L				1	A1030 E	08/15/07 14:45/ADM
TDS Balance (0.80 - 1.20)	1.03	dec. %				1	A1030 E	08/15/07 14:45/ADM

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070382

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 070801A-ALK-SEL-W	
Sample ID: MBLK1_070801A	Method Blank				Run: PH_COND1-R_070801A			08/01/07 09:34	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_070801A	Laboratory Control Sample				Run: PH_COND1-R_070801A			08/01/07 09:40	
Alkalinity, Total as CaCO3	992	mg/L	5.0	99	90	110			
Method: A2510 B								Batch: 070731_1_COND-PROBE-W	
Sample ID: LCS1-1_070731	Laboratory Control Sample				Run: PH_COND2-R_070731A			07/31/07 18:01	
Conductivity @ 25 C	152	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_070731	Laboratory Control Sample				Run: PH_COND2-R_070731A			07/31/07 18:01	
Conductivity @ 25 C	4990	umhos/cm	5.0	100	90	110			
Sample ID: LCS_COND-1_070731	Laboratory Control Sample				Run: PH_COND2-R_070731A			07/31/07 18:02	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_070731	Method Blank				Run: PH_COND2-R_070731A			07/31/07 18:03	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07070382-002BDUP	Sample Duplicate				Run: PH_COND2-R_070731A			07/31/07 18:07	
Conductivity @ 25 C	2650	umhos/cm	5.0				0.4	10	
Method: A2540 C								Batch: 070731A-SLDS-TDS-W	
Sample ID: MBLK1_070731A	Method Blank				Run: BAL-4-R_070731A			07/31/07 09:16	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_070731A	Laboratory Control Sample				Run: BAL-4-R_070731A			07/31/07 09:17	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	102	90	110			
Sample ID: R07070426-001BMS	Sample Matrix Spike				Run: BAL-4-R_070731A			07/31/07 09:24	
Solids, Total Dissolved TDS @ 180 C	570	mg/L	5.0	102	80	120			
Method: A2540 D								Batch: 070726A-SLDS-TSS-W	
Sample ID: MBLK1_070726A	Method Blank				Run: BAL-4-R_070730A			07/26/07 16:05	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_070726A	Laboratory Control Sample				Run: BAL-4-R_070730A			07/26/07 16:08	
Solids, Total Suspended TSS @ 105 C	200	mg/L	5.0	99	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070382

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Batch: 070731_1_PH-W	
Sample ID: LCS_pH-1_070731	Laboratory Control Sample				Run: PH_COND2-R_070731A			07/31/07 17:52	
pH	6.86	s.u.	0.010	100	98.55	101.45			
Sample ID: R07070382-002BDUP	Sample Duplicate				Run: PH_COND2-R_070731A			07/31/07 17:56	
pH	7.69	s.u.	0.010				0.4	1.25	
Method: A9222 D								Batch: 070725-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_070725A			07/25/07 14:20	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						
Method: D3977								Batch: 070725A-SLDS-SSC-W	
Sample ID: MBLK1_070725A	Method Blank				Run: BAL-4-R_070725B			07/26/07 15:29	
Solids, Suspended Sediment SSC @ 1	ND	mg/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070382

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_15470
Sample ID: MB-15470	Method Blank				Run: SUB-C87373				07/31/07 17:58
Boron	ND	mg/L	0.006						
Iron	ND	mg/L	0.005						
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.1						
Potassium	ND	mg/L	0.08						
Silica	0.04	mg/L	0.04						
Sodium	0.3	mg/L	0.1						
Silicon as SiO2	0.04	mg/L	0.04						
Sample ID: LCS-15470	Laboratory Control Sample				Run: SUB-C87373				07/31/07 18:01
Boron	0.480	mg/L	0.10	96	85	115			
Iron	0.486	mg/L	0.030	97	85	115			
Calcium	49.7	mg/L	0.50	99	85	115			
Magnesium	49.8	mg/L	0.50	100	85	115			
Potassium	47.6	mg/L	0.50	95	85	115			
Sodium	48.9	mg/L	0.50	97	85	115			
Sample ID: C07071301-001BMS	Sample Matrix Spike				Run: SUB-C87373				07/31/07 19:15
Boron	0.537	mg/L	0.10	99	70	130			
Iron	3.09	mg/L	0.030		70	130			A
Calcium	96.2	mg/L	0.50	95	70	130			
Magnesium	69.0	mg/L	0.50	95	70	130			
Potassium	49.9	mg/L	0.50	96	70	130			
Silica	22.9	mg/L	0.10		70	130			A
Sodium	55.8	mg/L	0.50	96	70	130			
Sample ID: C07071301-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C87373				07/31/07 19:18
Boron	0.550	mg/L	0.10	102	70	130	2.4	20	
Iron	3.16	mg/L	0.030		70	130	2.4	20	A
Calcium	97.9	mg/L	0.50	98	70	130	1.8	20	
Magnesium	70.2	mg/L	0.50	97	70	130	1.7	20	
Potassium	50.8	mg/L	0.50	98	70	130	1.7	20	
Silica	23.5	mg/L	0.10		70	130	2.6	20	A
Sodium	56.7	mg/L	0.50	98	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070382

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15470
Sample ID: MB-15470	Method Blank				Run: SUB-C87452				08/01/07 18:42
Arsenic	ND	mg/L	5E-05						
Barium	0.0002	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	ND	mg/L	5E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	3E-05						
Mercury	ND	mg/L	6E-06						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Selenium	0.0002	mg/L	0.0002						
Silver	ND	mg/L	4E-05						
Thorium 232	ND	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LCS1-15470	Laboratory Control Sample				Run: SUB-C87452				08/01/07 18:49
Arsenic	0.021	mg/L	0.0010	104	80	120			
Barium	0.021	mg/L	0.10	105	80	120			
Cadmium	0.021	mg/L	0.010	103	80	120			
Chromium	0.020	mg/L	0.050	98	80	120			
Copper	0.020	mg/L	0.010	98	80	120			
Lead	0.021	mg/L	0.050	103	80	120			
Manganese	0.020	mg/L	0.010	102	80	120			
Mercury	0.00067	mg/L	0.0010	33	80	120			S
Molybdenum	0.021	mg/L	0.10	104	80	120			
Nickel	0.019	mg/L	0.050	96	80	120			
Selenium	0.10	mg/L	0.0010	103	80	120			
Silver	0.016	mg/L	0.010	81	80	120			
Thorium 232	0.019	mg/L	0.0010	97	80	120			
Uranium	0.020	mg/L	0.00030	102	80	120			
Vanadium	0.020	mg/L	0.10	100	80	120			
Zinc	0.020	mg/L	0.010	97	80	120			
Sample ID: LCS-15470	Laboratory Control Sample				Run: SUB-C87452				08/01/07 18:56
Arsenic	0.49	mg/L	0.0010	98	85	115			
Barium	0.50	mg/L	0.10	99	85	115			
Cadmium	0.49	mg/L	0.010	99	85	115			
Chromium	0.48	mg/L	0.050	96	85	115			
Copper	0.46	mg/L	0.010	93	85	115			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070382

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15470
Sample ID: LCS-15470	Laboratory Control Sample				Run: SUB-C87452				08/01/07 18:56
Lead	0.50	mg/L	0.050	99	85	115			
Manganese	0.49	mg/L	0.010	98	85	115			
Molybdenum	0.50	mg/L	0.10	100	85	115			
Nickel	0.47	mg/L	0.050	93	85	115			
Selenium	0.50	mg/L	0.0020	101	85	115			
Silver	0.20	mg/L	0.010	101	85	115			
Uranium	0.49	mg/L	0.00032	98	85	115			
Vanadium	0.48	mg/L	0.10	97	85	115			
Zinc	0.48	mg/L	0.010	96	85	115			
Sample ID: C07071301-001B MS4	Post Digestion Spike				Run: SUB-C87452				08/01/07 20:10
Arsenic	0.070	mg/L	0.0010	100	70	130			
Barium	0.11	mg/L	0.10	99	70	130			
Cadmium	0.069	mg/L	0.010	99	70	130			
Chromium	0.065	mg/L	0.050	90	70	130			
Copper	0.066	mg/L	0.010	92	70	130			
Lead	0.070	mg/L	0.050	100	70	130			
Manganese	0.14	mg/L	0.010	97	70	130			
Mercury	0.0067	mg/L	0.0010	96	70	130			
Molybdenum	0.074	mg/L	0.10	104	70	130			
Nickel	0.065	mg/L	0.050	91	70	130			
Selenium	0.15	mg/L	0.0010	98	70	130			
Silver	0.032	mg/L	0.010	80	70	130			
Thorium 232	0.071	mg/L	0.0010	101	70	130			
Uranium	0.073	mg/L	0.00030	101	70	130			
Vanadium	0.067	mg/L	0.10	95	70	130			
Zinc	3.5	mg/L	0.010		70	130			A
Sample ID: C07071301-001B MSD4	Post Digestion Spike Duplicate				Run: SUB-C87452				08/01/07 20:44
Arsenic	0.072	mg/L	0.0010	101	70	130	1.5	20	
Barium	0.11	mg/L	0.10	100	70	130	0.7	20	
Cadmium	0.070	mg/L	0.010	100	70	130	1.3	20	
Chromium	0.066	mg/L	0.050	90	70	130	0.8	20	
Copper	0.067	mg/L	0.010	94	70	130	2.0	20	
Lead	0.072	mg/L	0.050	103	70	130	2.6	20	
Manganese	0.14	mg/L	0.010	93	70	130	2.0	20	
Mercury	0.0069	mg/L	0.0010	99	70	130	2.9	20	
Molybdenum	0.074	mg/L	0.10	104	70	130	0.0	20	
Nickel	0.066	mg/L	0.050	92	70	130	1.1	20	
Selenium	0.15	mg/L	0.0010	102	70	130	4.3	20	
Silver	0.034	mg/L	0.010	85	70	130	6.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070382

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_15470	
Sample ID: C07071301-001B MSD4	Post Digestion Spike Duplicate				Run: SUB-C87452			08/01/07 20:44	
Thorium 232	0.072	mg/L	0.0010	103	70	130	2.5	20	
Uranium	0.074	mg/L	0.00030	103	70	130	2.5	20	
Vanadium	0.068	mg/L	0.10	95	70	130	0.0	20	
Zinc	3.4	mg/L	0.010		70	130	3.0	20	A
Method: E200.8								Batch: C_15499	
Sample ID: MB-15499	Method Blank				Run: SUB-C87452			08/02/07 00:46	
Thorium 232	0.0004	mg/L							
Uranium	0.00010	mg/L	2E-05						
Sample ID: LCS-15499	Laboratory Control Sample				Run: SUB-C87452			08/02/07 00:53	
Uranium	0.0487	mg/L	0.00030	92	85	115			
Sample ID: R07070382-002F	Post Digestion Spike				Run: SUB-C87452			08/02/07 01:53	
Thorium 232	0.0483	mg/L	0.0010	94	70	130			
Uranium	0.0486	mg/L	0.00030	95	70	130			
Sample ID: R07070382-002F	Post Digestion Spike Duplicate				Run: SUB-C87452			08/02/07 02:00	
Thorium 232	0.0487	mg/L	0.0010	95	70	130	0.9	20	
Uranium	0.0488	mg/L	0.00030	95	70	130	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070382

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R30670
Sample ID: LFB0707252001-3	Laboratory Fortified Blank				Run: DIONEX_070725A				07/25/07 19:52
Chloride	4.8	mg/L	0.50	96	90	110			
Fluoride	2.0	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.4	mg/L	0.10	96	90	110			
Sulfate	15	mg/L	1.0	99	90	110			
Sample ID: LFB0707252001-4	Laboratory Fortified Blank				Run: DIONEX_070725A				07/25/07 20:08
Chloride	4.7	mg/L	0.50	94	90	110			
Fluoride	1.8	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.3	mg/L	0.10	93	90	110			
Sulfate	14	mg/L	1.0	96	90	110			
Sample ID: R07070342-001AMS	Sample Matrix Spike				Run: DIONEX_070725A				07/25/07 20:39
Chloride	9.8	mg/L	0.50	95	80	120			
Fluoride	2.5	mg/L	0.10	101	80	120			
Nitrogen, Nitrate as N	2.6	mg/L	0.10	93	80	120			
Sulfate	34	mg/L	1.0	82	80	120			
Sample ID: R07070342-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070725A				07/25/07 20:54
Chloride	9.5	mg/L	0.50	88	80	120	3.4	10	
Fluoride	2.4	mg/L	0.10	99	80	120	1.6	10	
Nitrogen, Nitrate as N	2.6	mg/L	0.10	91	80	120	1.9	10	
Sulfate	33	mg/L	1.0	80	80	120	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/03/07
Work Order: R07070382

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0305	
Sample ID: RB-GrAB-0305	Method Blank				Run: SUB-C88002			08/10/07 02:27	
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0305	Laboratory Control Sample				Run: SUB-C88002			08/10/07 02:27	
Gross Alpha	240	pCi/L	1.0	98	70	130			
Sample ID: Cs137-GrAB-0305	Laboratory Control Sample				Run: SUB-C88002			08/10/07 02:27	
Gross Beta	97.1	pCi/L	2.0	101	70	130			
Sample ID: C07071137-001AMS	Sample Matrix Spike				Run: SUB-C88002			08/10/07 02:27	
Gross Alpha	474	pCi/L	1.0	76	70	130			
Sample ID: C07071137-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C88002			08/10/07 02:26	
Gross Alpha	489	pCi/L	1.0	78	70	130	3.0	13	
Sample ID: C07071137-001AMS	Sample Matrix Spike				Run: SUB-C88002			08/10/07 02:26	
Gross Beta	224	pCi/L	2.0	90	70	130			
Sample ID: C07071137-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C88002			08/10/07 02:26	
Gross Beta	222	pCi/L	2.0	90	70	130	0.5	15.9	
Sample ID: R07070382-001E	Sample Duplicate				Run: SUB-C88002			08/10/07 21:23	
Gross Alpha	6.92	pCi/L	1.0				16	38	
Gross Alpha precision (±)	0.910	pCi/L							
Gross Beta	9.92	pCi/L	2.0				4.2	54.2	
Gross Beta precision (±)	2.24	pCi/L							
Method: E903.0								Batch: C_RA226-2225	
Sample ID: C07071301-002AMS	Sample Matrix Spike				Run: SUB-C87778			08/06/07 18:54	
Radium 226	15.7	pCi/L	0.20	71	70	130			
Sample ID: C07071301-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C87778			08/06/07 19:54	
Radium 226	18.8	pCi/L	0.20	86	70	130	18	31.4	
Sample ID: MB-RA226-2225	Method Blank				Run: SUB-C87778			08/06/07 22:56	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2225	Laboratory Control Sample				Run: SUB-C87778			08/07/07 00:57	
Radium 226	11	pCi/L	0.20	84	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

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

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Powertech Dewey Burdock

Report Mail Address: 3824 Jet Dr. Rapid City, SD 57703

Contact Name, Phone, Fax, E-mail: Cory Foreman 605.381.8024 cory.foreman@respec.com

Sampler Name if other than Contact:

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #: R278 R286

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

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

Receipt Temp 12.8 °C on ice

Cooler ID(s) _____

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Uranium+Thorium 238	Full SW Quote 286							SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	DewBurd BVC01	7/24/07	14:20		X	X										Sample Bottle Set 2	0707 0382-001
2	DewBurd BVC~~02~~04 Sat	7/24/07	15:30		X	X										Sample Bottle Set 2	002
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: Cory Foreman	Date/Time: 7/25/07 7:15	Shipped by:	Received by: [signature] Date/Time: 7/25/07 7:15
Relinquished by: [signature]	Date/Time: 7/25/07 12:25	Shipped by:	Received by: [signature] Date/Time: 7-25-07 1225

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

September 11, 2007

Dan Hoyer
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R07080019

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 8/1/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07080019-001	DewBurd CHR01	07/31/07 14:35	08/01/07	Aqueous	Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Anions by Ion Chromatography pH Metals Digestion by EPA 200.2 Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Radium 226, Total Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07080019-002	DewBurd CHR05	07/31/07 15:10	08/01/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07080019-001
Client Sample ID: DewBurd CHR01

Report Date: 09/11/07
Collection Date: 07/31/07 14:35
Date Received: 08/01/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	8	CFU/100ml	D	2		2	A9222 D	08/01/07 17:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	310	mg/L		5		1	A2320 B	08/03/07 16:53/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	08/03/07 16:53/jn
Bicarbonate as HCO3	378	mg/L		5		1	A2320 B	08/03/07 16:53/jn
Calcium	366	mg/L		0.5		10	E200.7	08/19/07 21:30/eli-c
Chloride	125	mg/L		1		20	E300.0	08/02/07 20:34/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	08/02/07 21:26/jmh
Magnesium	188	mg/L		0.5		10	E200.7	08/19/07 21:30/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	08/02/07 21:26/jmh
Potassium	19.0	mg/L		0.5		1	E200.7	08/14/07 19:10/eli-c
Silica	7.2	mg/L		0.5		1	E200.7	08/14/07 19:10/eli-c
Sodium	1140	mg/L		0.5		10	E200.7	08/19/07 21:30/eli-c
Sulfate	3550	mg/L	D	36		50	E300.0	08/06/07 10:15/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6580	umhos/cm		5		1	A2510 B	08/06/07 14:16/jmh
pH	7.83	s.u.		0.01		1	A4500-H B	08/06/07 14:02/jmh
Solids, Suspended Sediment SSC @ 105 C	53	mg/L		5		1	D3977	08/07/07 11:03/jn
Solids, Total Dissolved TDS @ 180 C	5900	mg/L		5		1	A2540 C	08/07/07 09:17/jn
Solids, Total Suspended TSS @ 105 C	54	mg/L		5		1	A2540 D	08/06/07 13:45/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	08/16/07 17:18/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	08/16/07 17:18/eli-c
METALS - TOTAL								
Arsenic	0.001	mg/L		0.001		1	E200.8	08/10/07 22:02/eli-c
Barium	ND	mg/L		0.1		1	E200.8	08/10/07 22:02/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	08/14/07 19:10/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/10/07 22:02/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	08/10/07 22:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/10/07 22:02/eli-c
Iron	0.15	mg/L		0.03		1	E200.7	08/14/07 19:10/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/10/07 22:02/eli-c
Manganese	1.13	mg/L		0.01		1	E200.8	08/10/07 22:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/10/07 22:02/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07080019-001
Client Sample ID: DewBurd CHR01

Report Date: 09/11/07
Collection Date: 07/31/07 14:35
Date Received: 08/01/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		1	E200.8	08/10/07 22:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	08/10/07 22:02/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	08/10/07 22:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	08/10/07 22:02/eli-c
Uranium	0.0223	mg/L		0.0003		1	E200.8	08/10/07 22:02/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	08/10/07 22:02/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	08/10/07 22:02/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	16.9	pCi/L		1.0		1	E900.0	08/17/07 00:38/eli-c
Gross Alpha precision (±)	4.6	pCi/L				1	E900.0	08/17/07 00:38/eli-c
Gross Beta	21.9	pCi/L		2.0		1	E900.0	08/17/07 00:38/eli-c
Gross Beta precision (±)	13.3	pCi/L				1	E900.0	08/17/07 00:38/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	08/14/07 10:25/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.0317	%				1	A1030 E	09/10/07 14:02/ADM
Anions	83.7	meq/L				1	A1030 E	09/10/07 14:02/ADM
Cations	83.8	meq/L				1	A1030 E	09/10/07 14:02/ADM
Solids, Total Dissolved Calculated	5590	mg/L				1	A1030 E	09/10/07 14:02/ADM
TDS Balance (0.80 - 1.20)	1.06	dec. %				1	A1030 E	09/10/07 14:02/ADM

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: R07080019-002
Client Sample ID: DewBurd CHR05

Report Date: 09/11/07
Collection Date: 07/31/07 15:10
Date Received: 08/01/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	180	CFU/100ml	D	2		2	A9222 D	08/01/07 17:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	200	mg/L		5		1	A2320 B	08/03/07 16:55/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	08/03/07 16:55/jn
Bicarbonate as HCO3	244	mg/L		5		1	A2320 B	08/03/07 16:55/jn
Calcium	311	mg/L		0.5		10	E200.7	08/19/07 21:37/eli-c
Chloride	386	mg/L	D	2.0		50	E300.0	08/06/07 10:33/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	08/02/07 22:01/jmh
Magnesium	168	mg/L		0.5		10	E200.7	08/19/07 21:37/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	08/02/07 22:01/jmh
Potassium	13.3	mg/L		0.5		1	E200.7	08/14/07 19:14/eli-c
Silica	7.4	mg/L		0.5		1	E200.7	08/14/07 19:14/eli-c
Sodium	678	mg/L		0.5		10	E200.7	08/19/07 21:37/eli-c
Sulfate	2030	mg/L	D	36		50	E300.0	08/06/07 10:33/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4980	umhos/cm		5		1	A2510 B	08/06/07 14:18/jmh
pH	7.98	s.u.		0.01		1	A4500-H B	08/06/07 14:05/jmh
Solids, Suspended Sediment SSC @ 105 C	7	mg/L		5		1	D3977	08/07/07 11:04/jn
Solids, Total Dissolved TDS @ 180 C	4100	mg/L		5		1	A2540 C	08/07/07 09:17/jn
Solids, Total Suspended TSS @ 105 C	14	mg/L		5		1	A2540 D	08/06/07 13:46/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	08/16/07 18:06/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	08/16/07 18:06/eli-c
METALS - TOTAL								
Arsenic	0.001	mg/L		0.001		1	E200.8	08/10/07 22:36/eli-c
Barium	ND	mg/L		0.1		1	E200.8	08/10/07 22:36/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	08/14/07 19:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/10/07 22:36/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	08/10/07 22:36/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/10/07 22:36/eli-c
Iron	0.09	mg/L		0.03		1	E200.7	08/14/07 19:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/10/07 22:36/eli-c
Manganese	0.12	mg/L		0.01		1	E200.8	08/10/07 22:36/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/10/07 22:36/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07080019-002
Client Sample ID: DewBurd CHR05

Report Date: 09/11/07
Collection Date: 07/31/07 15:10
Date Received: 08/01/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		1	E200.8	08/10/07 22:36/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	08/10/07 22:36/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	08/10/07 22:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	08/10/07 22:36/eli-c
Uranium	0.0110	mg/L		0.0003		1	E200.8	08/10/07 22:36/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	08/10/07 22:36/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	08/10/07 22:36/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	16.7	pCi/L		1.0		1	E900.0	08/17/07 00:38/eli-c
Gross Alpha precision (±)	4.8	pCi/L				1	E900.0	08/17/07 00:38/eli-c
Gross Beta	18.7	pCi/L		2.0		1	E900.0	08/17/07 00:38/eli-c
Gross Beta precision (±)	13.2	pCi/L				1	E900.0	08/17/07 00:38/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	08/14/07 10:25/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.77	%				1	A1030 E	09/10/07 14:02/ADM
Anions	57.1	meq/L				1	A1030 E	09/10/07 14:02/ADM
Cations	59.2	meq/L				1	A1030 E	09/10/07 14:02/ADM
Solids, Total Dissolved Calculated	3710	mg/L				1	A1030 E	09/10/07 14:02/ADM
TDS Balance (0.80 - 1.20)	1.10	dec. %				1	A1030 E	09/10/07 14:02/ADM

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 070803A-ALK-SEL-W	
Sample ID: MBLK1_070803A	Method Blank				Run: PH_COND1-R_070803A				08/03/07 16:40
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_070803A	Laboratory Control Sample				Run: PH_COND1-R_070803A				08/03/07 16:42
Alkalinity, Total as CaCO3	988	mg/L	5.0	99	90	110			
Method: A2510 B								Batch: 070806_1_COND-PROBE-W	
Sample ID: LCS1-1_070806	Laboratory Control Sample				Run: PH_COND2-R_070806A				08/06/07 14:12
Conductivity @ 25 C	152	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_070806	Laboratory Control Sample				Run: PH_COND2-R_070806A				08/06/07 14:13
Conductivity @ 25 C	5000	umhos/cm	5.0	100	90	110			
Sample ID: LCS_COND-1_070806	Laboratory Control Sample				Run: PH_COND2-R_070806A				08/06/07 14:13
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_070806	Method Blank				Run: PH_COND2-R_070806A				08/06/07 14:14
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07080019-001BDUP	Sample Duplicate				Run: PH_COND2-R_070806A				08/06/07 14:17
Conductivity @ 25 C	6600	umhos/cm	5.0				0.3	10	
Method: A2540 C								Batch: 070806A-SLDS-TDS-W	
Sample ID: MBLK1_070806A	Method Blank				Run: BAL-4-R_070806B				08/07/07 09:10
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_070806A	Laboratory Control Sample				Run: BAL-4-R_070806B				08/07/07 09:11
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	107	90	110			
Sample ID: R07080021-003AMS	Sample Matrix Spike				Run: BAL-4-R_070806B				08/07/07 09:19
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0	99	80	120			
Method: A2540 D								Batch: 070806A-SLDS-TSS-W	
Sample ID: MBLK1_070806A	Method Blank				Run: BAL-4-R_070806A				08/06/07 11:35
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_070806A	Laboratory Control Sample				Run: BAL-4-R_070806A				08/06/07 11:36
Solids, Total Suspended TSS @ 105 C	180	mg/L	5.0	92	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Batch: 070806_1_PH-W	
Sample ID: LCS_pH-1_070806	Laboratory Control Sample				Run: PH_COND2-R_070806A			08/06/07 14:00	
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R07080019-001BDUP	Sample Duplicate				Run: PH_COND2-R_070806A			08/06/07 14:02	
pH	7.82	s.u.	0.010				0.1	1.25	
Method: A9222 D								Batch: 070801-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_070801A			08/01/07 17:00	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						
Sample ID: R07080002-004B	Sample Duplicate				Run: MEMFILT_070801A			08/01/07 17:00	
Bacteria, Fecal Coliform	ND	CFU/100ml	2.0				0.0	10	
Method: D3977								Batch: 070802A-SLDS-SSC-W	
Sample ID: MBLK1_070802A	Method Blank				Run: BAL-4-R_070802A			08/02/07 14:53	
Solids, Suspended Sediment SSC @ 1	ND	mg/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_15569
Sample ID: MB-15569	Method Blank				Run: SUB-C88181				08/14/07 18:54
Boron	ND	mg/L	0.006						
Iron	ND	mg/L	0.005						
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.1						
Potassium	0.2	mg/L	0.08						
Silica	ND	mg/L	0.04						
Sodium	0.3	mg/L	0.1						
Silicon as SiO2	ND	mg/L	0.04						
Sample ID: R07080019-002D	Sample Matrix Spike				Run: SUB-C88181				08/14/07 19:17
Boron	0.786	mg/L	0.10	83	70	130			
Iron	0.521	mg/L	0.030	86	70	130			
Calcium	327	mg/L	0.50		70	130			A
Potassium	140	mg/L	0.50	91	70	130			
Silica	7.31	mg/L	0.10		70	130			A
Sodium	699	mg/L	0.50		70	130			A
Sample ID: R07080019-002D	Sample Matrix Spike Duplicate				Run: SUB-C88181				08/14/07 19:21
Boron	0.788	mg/L	0.10	83	70	130	0.3	20	
Iron	0.512	mg/L	0.030	84	70	130	1.7	20	
Calcium	329	mg/L	0.50		70	130	0.5	20	A
Potassium	139	mg/L	0.50	90	70	130	0.7	20	
Silica	7.35	mg/L	0.10		70	130	0.5	20	A
Sodium	697	mg/L	0.50		70	130	0.3	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15569
Sample ID: MB-15569	Method Blank				Run: SUB-C87963				08/10/07 20:08
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	0.0001	mg/L	5E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	3E-05						
Mercury	ND	mg/L	6E-06						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	4E-05						
Thorium 232	ND	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	0.0009	mg/L	0.0003						
Sample ID: LCS1-15569	Laboratory Control Sample				Run: SUB-C87963				08/10/07 20:15
Arsenic	0.0201	mg/L	0.0010	101	80	120			
Barium	0.0212	mg/L	0.10	106	80	120			
Cadmium	0.0208	mg/L	0.010	104	80	120			
Chromium	0.0201	mg/L	0.050	100	80	120			
Copper	0.0204	mg/L	0.010	102	80	120			
Lead	0.0205	mg/L	0.050	103	80	120			
Manganese	0.0202	mg/L	0.010	101	80	120			
Molybdenum	0.0211	mg/L	0.10	106	80	120			
Nickel	0.0203	mg/L	0.050	102	80	120			
Selenium	0.103	mg/L	0.0010	103	80	120			
Silver	0.0189	mg/L	0.010	94	80	120			
Thorium 232	0.0192	mg/L	0.0010	96	80	120			
Uranium	0.0201	mg/L	0.00030	101	80	120			
Vanadium	0.0199	mg/L	0.10	100	80	120			
Zinc	0.0219	mg/L	0.010	105	80	120			
Sample ID: LCS-15569	Laboratory Control Sample				Run: SUB-C87963				08/10/07 20:21
Arsenic	0.480	mg/L	0.0010	96	85	115			
Barium	0.469	mg/L	0.10	94	85	115			
Cadmium	0.470	mg/L	0.010	94	85	115			
Chromium	0.464	mg/L	0.050	93	85	115			
Copper	0.460	mg/L	0.010	92	85	115			
Lead	0.471	mg/L	0.050	94	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15569
Sample ID: LCS-15569	Laboratory Control Sample				Run: SUB-C87963				08/10/07 20:21
Manganese	0.467	mg/L	0.010	93	85	115			
Molybdenum	0.478	mg/L	0.10	96	85	115			
Nickel	0.469	mg/L	0.050	94	85	115			
Selenium	0.488	mg/L	0.0020	98	85	115			
Silver	0.201	mg/L	0.010	101	85	115			
Uranium	0.464	mg/L	0.00032	93	85	115			
Vanadium	0.466	mg/L	0.10	93	85	115			
Zinc	0.487	mg/L	0.010	97	85	115			
Sample ID: C07080271-001AMS5	Pre-Digestion Spike				Run: SUB-C87963				08/10/07 22:50
Arsenic	0.0203	mg/L	0.0010	97	70	130			
Barium	0.119	mg/L	0.10		70	130			A
Cadmium	0.0194	mg/L	0.010	96	70	130			
Chromium	0.0202	mg/L	0.050	95	70	130			
Copper	0.130	mg/L	0.010		70	130			A
Lead	0.0204	mg/L	0.050	98	70	130			
Manganese	0.0518	mg/L	0.010	90	70	130			
Mercury	0.00507	mg/L	0.0010		70	130			A
Molybdenum	0.0376	mg/L	0.10	99	70	130			
Nickel	0.0217	mg/L	0.050	94	70	130			
Selenium	0.0953	mg/L	0.0010	95	70	130			
Uranium	0.0204	mg/L	0.00030	97	70	130			
Vanadium	0.0203	mg/L	0.10	94	70	130			
Zinc	0.0456	mg/L	0.010	96	70	130			
Sample ID: C07080271-001AMSD5	Pre-Digestion Spike Duplicate				Run: SUB-C87963				08/10/07 22:56
Arsenic	0.0214	mg/L	0.0010	103	70	130	5.2	20	
Barium	0.124	mg/L	0.10		70	130	4.6	20	A
Cadmium	0.0204	mg/L	0.010	101	70	130	5.2	20	
Chromium	0.0210	mg/L	0.050	99	70	130	0.0	20	
Copper	0.137	mg/L	0.010		70	130	5.7	20	A
Lead	0.0215	mg/L	0.050	103	70	130	0.0	20	
Manganese	0.0542	mg/L	0.010	102	70	130	4.4	20	
Mercury	0.00546	mg/L	0.0010		70	130	7.5	20	A
Molybdenum	0.0398	mg/L	0.10	110	70	130	0.0	20	
Nickel	0.0226	mg/L	0.050	98	70	130	0.0	20	
Selenium	0.0994	mg/L	0.0010	99	70	130	4.2	20	
Uranium	0.0216	mg/L	0.00030	103	70	130	5.8	20	
Vanadium	0.0211	mg/L	0.10	99	70	130	0.0	20	
Zinc	0.0479	mg/L	0.010	108	70	130	5.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15600
Sample ID: MB-15600	Method Blank				Run: SUB-C88321				08/16/07 16:51
Thorium 232	0.001	mg/L	1E-06						
Uranium	5E-05	mg/L							
Sample ID: LCS1-15600	Laboratory Control Sample				Run: SUB-C88321				08/16/07 16:58
Thorium 232	0.0203	mg/L	0.0010	96	80	120			
Uranium	0.0211	mg/L	0.00030	105	80	120			
Sample ID: LCS-15600	Laboratory Control Sample				Run: SUB-C88321				08/16/07 17:12
Thorium 232	0.535	mg/L	0.0010	107	80	120			
Uranium	0.531	mg/L	0.00030	106	80	120			
Sample ID: R07080019-001F	Post Digestion Spike				Run: SUB-C88321				08/16/07 17:25
Thorium 232	0.0132	mg/L	0.0010	101	70	130			
Uranium	0.0131	mg/L	0.00030	103	70	130			
Sample ID: R07080019-001F	Post Digestion Spike Duplicate				Run: SUB-C88321				08/16/07 17:32
Thorium 232	0.0133	mg/L	0.0010	101	70	130	0.7	20	
Uranium	0.0132	mg/L	0.00030	104	70	130	0.4	20	
Method: E300.0									Batch: R30784
Sample ID: LFB0708023337-3	Laboratory Fortified Blank				Run: DIONEX_070802A				08/02/07 19:59
Chloride	4.7	mg/L	0.50	95	90	110			
Fluoride	1.9	mg/L	0.10	96	90	110			
Nitrogen, Nitrate as N	2.4	mg/L	0.10	96	90	110			
Sample ID: LFB0708023337-4	Laboratory Fortified Blank				Run: DIONEX_070802A				08/02/07 20:16
Chloride	4.7	mg/L	0.50	94	90	110			
Fluoride	1.9	mg/L	0.10	95	90	110			
Nitrogen, Nitrate as N	2.3	mg/L	0.10	93	90	110			
Sample ID: R07080019-001BMS	Sample Matrix Spike				Run: DIONEX_070802A				08/02/07 20:51
Chloride	210	mg/L	0.80	83	80	120			
Fluoride	39	mg/L	1.3	90	80	120			
Nitrogen, Nitrate as N	48	mg/L	0.34	96	80	120			
Sample ID: R07080019-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070802A				08/02/07 21:09
Chloride	210	mg/L	0.80	83	80	120	0.2	10	
Fluoride	38	mg/L	1.3	89	80	120	1.3	10	
Nitrogen, Nitrate as N	47	mg/L	0.34	94	80	120	2.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Batch: R30805	
Sample ID: LFB0708035817-3	Laboratory Fortified Blank				Run: DIONEX_070803A			08/05/07 17:32	
Chloride	4.7	mg/L	0.50	93	90	110			
Sulfate	14	mg/L	1.0	96	90	110			
Sample ID: R07080044-001BMS	Sample Matrix Spike				Run: DIONEX_070803A			08/06/07 08:48	
Chloride	8.7	mg/L	0.50	79	80	120			S
Sulfate	45	mg/L	1.0	72	80	120			S
Sample ID: R07080044-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070803A			08/06/07 09:05	
Chloride	8.7	mg/L	0.50	80	80	120	0.3	10	
Sulfate	45	mg/L	1.0	73	80	120	0.2	10	S
Method: E900.0								Batch: C_GrAB-0309	
Sample ID: RB-GrAB-0309	Method Blank				Run: SUB-C88332			08/16/07 12:20	
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0309	Laboratory Control Sample				Run: SUB-C88332			08/16/07 12:20	
Gross Alpha	247	pCi/L	1.0	101	70	130			
Sample ID: C07080186-001BMS	Sample Matrix Spike				Run: SUB-C88332			08/16/07 12:20	
Gross Alpha	196	pCi/L	1.0	79	70	130			
Sample ID: C07080186-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C88332			08/16/07 12:20	
Gross Alpha	191	pCi/L	1.0	77	70	130	2.4	13.2	
Sample ID: C07080503-001ADUP	Sample Duplicate				Run: SUB-C88332			08/17/07 00:38	
Gross Alpha	5.58	pCi/L	1.0				26	37.8	
Gross Beta	3.71	pCi/L	2.0				2.3	84	
Sample ID: Cs137-GrAB-0309	Laboratory Control Sample				Run: SUB-C88332			08/16/07 12:20	
Gross Beta	89.4	pCi/L	2.0	93	70	130			
Sample ID: C07080186-001BMS	Sample Matrix Spike				Run: SUB-C88332			08/16/07 12:20	
Gross Beta	94.7	pCi/L	2.0	95	70	130			
Sample ID: C07080186-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C88332			08/16/07 12:20	
Gross Beta	97.7	pCi/L	2.0	98	70	130	3.1	15.2	

Qualifiers:

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080019

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2248
Sample ID: MB-RA226-2248	Method Blank				Run: SUB-C88123				08/14/07 10:25
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2248	Laboratory Control Sample				Run: SUB-C88123				08/14/07 10:25
Radium 226	14	pCi/L	0.20	110	70	130			

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

Sample R07080019-001B not reported to LIMS

SAMPLE ID: **R07080019-001B** 8/30/2007

CATIONS	mg/L	meq/L	ANIONS	mg/L	meq/L
Acidity(as CaCO3)			Cl	**125**	3.53
Ca	**366**	18.24	SO4	**3550**	74.00
Mg	**188**	15.48	T. Alkalinity	**310**	6.19
K	**19**	0.49	HCO3	378	
Na	**1140**	49.50	CO3	<1	
Al	**<1**	0.01			
Fe	**<1**	0.01			
Mn	**1**	0.08			
Hardness (as CaCO3)	1690		OH		
Hardness, grains/gal.	98.7		NO3	**<0.1**	0.00
NH4+			PO4		
Si	**3.4**		F	**0.3**	0.02
			CN		
			Br	**<0.1**	0.00
Total Cations		83.80	Total Anions		83.74

BALANCE, (± 5%) 0.03

BALANCE, "sigma" -0.04

	Measured	Calculated
Sample pH	**7.8**	
Conductivity (umho/cm)		6190
TDS	**5910**	5590
TDS Ratio	1.06	
Resistivity (RW - ohm-m)		
Estimated Ionic Strength (from TDS)		0.1478

Salinity	
Cl as NaCl	206
Carbonate Hardness	310
Non-carbonate Hardness	1377
Free CO2	
Total CO2	
SAR	12.05
Langlier Saturation Index	1.1
Ryznar Index	5.69
Aggressive Index	13.28
Temp	20

Very hard water.

SAMPLE ID: R07080019-001B

BALANCE, (± 5%) 0.03

Sample R07080019-002B not reported to LIMS

SAMPLE ID: **R07080019-002B** 8/30/2007

CATIONS	mg/L	meq/L	ANIONS	mg/L	meq/L
Acidity(as CaCO3)			Cl	**386**	10.90
Ca	**311**	15.54	SO4	**2030**	42.20
Mg	**168**	13.80	T. Alkalinity	**200**	4.00
K	**13**	0.34	HCO3	244	
Na	**678**	29.49	CO3	<1	
Al	**<1**	0.00			
Fe	**<1**	0.00			
Mn	**<1**	0.01			
Hardness (as CaCO3)	1470		OH		
Hardness, grains/gal.	85.9		NO3	**<0.1**	0.00
NH4+			PO4		
Si	**3.4**		F	**0.5**	0.03
			CN		
			Br	**<0.1**	0.00
Total Cations		59.18	Total Anions		57.12

BALANCE, (± 5%) 1.77

BALANCE, "sigma" -2.08

	Measured	Calculated
Sample pH	**8.0**	
Conductivity (umho/cm)		4540
TDS	**4070**	3710
TDS Ratio	1.1	
Resistivity (RW - ohm-m)		
Estimated Ionic Strength (from TDS)		0.1018

Salinity	
Cl as NaCl	637
Carbonate Hardness	200
Non-carbonate Hardness	1268
Free CO2	
Total CO2	
SAR	7.70
Langlier Saturation Index	1.0
Ryznar Index	5.95
Aggressive Index	13.17
Temp	20

Very hard water.

SAMPLE ID: R07080019-002B

BALANCE, (± 5%) 1.77

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

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

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Powertech Dewey-Burdock

Report Mail Address: 3824 Jet Drive, Rapid City, SD 57703

Contact Name, Phone, Fax, E-mail: Cory Forman (605) 381-0024

Sampler Name if other than Contact:

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #: R278, R284

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

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

Shipped by:

Cooler ID(s)

Receipt Temp 8.4 °C on ice

Custody Seal Y N

Intact Y N

Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Thallium 4 gallon	Full Sal R286	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1 DewBurd CHR01	7/31/07	14:35		X	X				Sample Bottle Set 94	0708019-001
2 DewBurd CHR05	7/31/07	15:10		X	X				Sample Bottle Set 93 CSF	002
3										
4										
5										
6										
7										
8										
9										
10										

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Cory Forman	8/01/07 8:04	Cory Forman	RJ Fischer	8/01/07 8:04	[signature]
RJ Fischer	8/01/07 12:12	[signature]	Linda Larsen	8/1/07	Linda La

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

September 11, 2007

RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R07080273

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 8/21/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07080273-001	DewBurd BVC01	08/20/07 17:07	08/21/07	Aqueous	Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Anions by Ion Chromatography pH Metals Digestion by EPA 200.2 Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Radium 226, Total Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07080273-002	DewBurd BVC04	08/20/07 16:08	08/21/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07080273-001
Client Sample ID: DewBurd BVC01

Report Date: 09/11/07
Collection Date: 08/20/07 17:07
Date Received: 08/21/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	2500	CFU/100ml	D	100		100	A9222 D	08/21/07 16:15/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	112	mg/L		5		1	A2320 B	09/01/07 14:22/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	09/01/07 14:22/jn
Bicarbonate as HCO3	137	mg/L		5		1	A2320 B	09/01/07 14:22/jn
Calcium	73.0	mg/L		0.5		1	E200.7	08/30/07 18:16/eli-c
Chloride	158	mg/L		1		20	E300.0	08/24/07 06:58/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	08/21/07 23:39/jmh
Magnesium	27.8	mg/L		0.5		1	E200.7	08/30/07 18:16/eli-c
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	08/21/07 23:39/jmh
Potassium	11.4	mg/L		0.5		1	E200.7	08/30/07 18:16/eli-c
Silica	6.2	mg/L		0.5		1	E200.7	08/30/07 18:16/eli-c
Sodium	263	mg/L		0.5		1	E200.7	08/30/07 18:16/eli-c
Sulfate	511	mg/L	D	10		20	E300.0	08/24/07 06:58/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1660	umhos/cm		5		1	A2510 B	08/24/07 10:16/jmh
pH	8.80	s.u.		0.01		1	A4500-H B	08/24/07 09:58/jmh
Solids, Suspended Sediment SSC @ 105 C	47	mg/L		5		1	D3977	08/30/07 09:35/jn
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		5		1	A2540 C	08/25/07 16:54/jmh
Solids, Total Suspended TSS @ 105 C	51	mg/L		5		1	A2540 D	08/24/07 12:18/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	09/01/07 23:59/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	09/01/07 23:59/eli-c
METALS - TOTAL								
Arsenic	0.002	mg/L		0.001		1	E200.8	09/02/07 01:33/eli-c
Barium	ND	mg/L		0.1		1	E200.8	09/02/07 01:33/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	08/30/07 18:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/02/07 01:33/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	09/02/07 01:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/02/07 01:33/eli-c
Iron	0.66	mg/L		0.03		1	E200.7	08/30/07 18:16/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	09/02/07 01:33/eli-c
Manganese	0.11	mg/L		0.01		1	E200.8	09/02/07 01:33/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/02/07 01:33/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07080273-001
Client Sample ID: DewBurd BVC01

Report Date: 09/11/07
Collection Date: 08/20/07 17:07
Date Received: 08/21/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		1	E200.8	09/02/07 01:33/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	09/02/07 01:33/eli-c
Selenium	0.003	mg/L		0.001		1	E200.8	09/02/07 01:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/02/07 01:33/eli-c
Uranium	0.0046	mg/L		0.0003		1	E200.8	09/02/07 01:33/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	09/02/07 01:33/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	09/02/07 01:33/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	7.1	pCi/L		1.0		1	E900.0	09/02/07 23:51/eli-c
Gross Alpha precision (±)	1.2	pCi/L				1	E900.0	09/02/07 23:51/eli-c
Gross Beta	14.7	pCi/L		2.0		1	E900.0	09/02/07 23:51/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	09/02/07 23:51/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	09/04/07 14:06/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.06	%				1	A1030 E	09/10/07 14:03/ADM
Anions	17.4	meq/L				1	A1030 E	09/10/07 14:03/ADM
Cations	17.8	meq/L				1	A1030 E	09/10/07 14:03/ADM
Solids, Total Dissolved Calculated	1120	mg/L				1	A1030 E	09/10/07 14:03/ADM
TDS Balance (0.80 - 1.20)	0.960	dec. %				1	A1030 E	09/10/07 14:03/ADM

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: R07080273-002
Client Sample ID: DewBurd BVC04

Report Date: 09/11/07
Collection Date: 08/20/07 16:08
Date Received: 08/21/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	350	CFU/100ml	D	10		10	A9222 D	08/21/07 16:15/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	106	mg/L		5		1	A2320 B	09/01/07 14:23/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	09/01/07 14:23/jn
Bicarbonate as HCO3	129	mg/L		5		1	A2320 B	09/01/07 14:23/jn
Calcium	77.8	mg/L		0.5		1	E200.7	08/30/07 18:20/eli-c
Chloride	118	mg/L		1		10	E300.0	08/24/07 07:14/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	08/22/07 00:25/jmh
Magnesium	24.8	mg/L		0.5		1	E200.7	08/30/07 18:20/eli-c
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	08/22/07 00:25/jmh
Potassium	10.1	mg/L		0.5		1	E200.7	08/30/07 18:20/eli-c
Silica	15.5	mg/L		0.5		1	E200.7	08/30/07 18:20/eli-c
Sodium	194	mg/L		0.5		1	E200.7	08/30/07 18:20/eli-c
Sulfate	436	mg/L	D	7		10	E300.0	08/24/07 07:14/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1400	umhos/cm		5		1	A2510 B	08/24/07 10:17/jmh
pH	8.48	s.u.		0.01		1	A4500-H B	08/24/07 09:59/jmh
Solids, Suspended Sediment SSC @ 105 C	156	mg/L		5		1	D3977	08/30/07 09:36/jn
Solids, Total Dissolved TDS @ 180 C	910	mg/L		5		1	A2540 C	08/25/07 16:54/jmh
Solids, Total Suspended TSS @ 105 C	160	mg/L		5		1	A2540 D	08/24/07 12:18/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	09/02/07 00:06/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	09/02/07 00:06/eli-c
METALS - TOTAL								
Arsenic	0.003	mg/L		0.001		1	E200.8	09/02/07 01:40/eli-c
Barium	ND	mg/L		0.1		1	E200.8	09/02/07 01:40/eli-c
Boron	ND	mg/L		0.1		1	E200.7	08/30/07 18:20/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/02/07 01:40/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	09/02/07 01:40/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/02/07 01:40/eli-c
Iron	2.48	mg/L		0.03		1	E200.7	08/30/07 18:20/eli-c
Lead	0.003	mg/L		0.001		1	E200.8	09/02/07 01:40/eli-c
Manganese	0.41	mg/L		0.01		1	E200.8	09/02/07 01:40/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/02/07 01:40/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07080273-002
Client Sample ID: DewBurd BVC04

Report Date: 09/11/07
Collection Date: 08/20/07 16:08
Date Received: 08/21/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		1	E200.8	09/02/07 01:40/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	09/02/07 01:40/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	09/02/07 01:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/02/07 01:40/eli-c
Uranium	0.0030	mg/L		0.0003		1	E200.8	09/02/07 01:40/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	09/02/07 01:40/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	09/02/07 01:40/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	7.0	pCi/L		1.0		1	E900.0	09/02/07 23:51/eli-c
Gross Alpha precision (±)	1.3	pCi/L				1	E900.0	09/02/07 23:51/eli-c
Gross Beta	15.4	pCi/L		2.0		1	E900.0	09/02/07 23:51/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	09/02/07 23:51/eli-c
Radium 226	0.7	pCi/L		0.2		1	E903.0	09/04/07 14:06/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	09/04/07 14:06/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.739	%				1	A1030 E	09/10/07 14:03/ADM
Anions	14.6	meq/L				1	A1030 E	09/10/07 14:03/ADM
Cations	14.8	meq/L				1	A1030 E	09/10/07 14:03/ADM
Solids, Total Dissolved Calculated	945	mg/L				1	A1030 E	09/10/07 14:03/ADM
TDS Balance (0.80 - 1.20)	0.970	dec. %				1	A1030 E	09/10/07 14:03/ADM

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080273

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 070830A-ALK-SEL-W	
Sample ID: MBLK1_070830A	Method Blank				Run: PH_COND1-R_070830A			09/01/07 14:20	
Alkalinity, Total as CaCO3	6	mg/L	3						
Sample ID: LCS1_070830A	Laboratory Control Sample				Run: PH_COND1-R_070830A			09/01/07 14:21	
Alkalinity, Total as CaCO3	1000	mg/L	5.0	99	90	110			
Sample ID: R07080329-008ADUP	Sample Duplicate				Run: PH_COND1-R_070830A			09/01/07 14:31	
Alkalinity, Total as CaCO3	166	mg/L	5.0				1.2	10	
Carbonate as CO3	ND	mg/L	5.0				0.0	10	
Bicarbonate as HCO3	202	mg/L	5.0				1.2	10	
Sample ID: R07080329-009AMS	Sample Matrix Spike				Run: PH_COND1-R_070830A			09/01/07 14:33	
Alkalinity, Total as CaCO3	262	mg/L	5.0	104	80	120			
Method: A2510 B								Batch: 070824_1_COND-PROBE-W	
Sample ID: LCS1-1_070824	Laboratory Control Sample				Run: PH_COND2-R_070824A			08/24/07 10:08	
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_070824	Laboratory Control Sample				Run: PH_COND2-R_070824A			08/24/07 10:09	
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_070824	Laboratory Control Sample				Run: PH_COND2-R_070824A			08/24/07 10:10	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_070824	Method Blank				Run: PH_COND2-R_070824A			08/24/07 10:10	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07080256-001ADUP	Sample Duplicate				Run: PH_COND2-R_070824A			08/24/07 10:15	
Conductivity @ 25 C	485	umhos/cm	5.0				1.5	10	
Method: A2540 C								Batch: 070824A-SLDS-TDS-W	
Sample ID: MBLK1_070824A	Method Blank				Run: BAL-4-R_070825A			08/25/07 16:43	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_070824A	Laboratory Control Sample				Run: BAL-4-R_070825A			08/25/07 16:44	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	109	90	110			
Sample ID: R07080241-004BMS	Sample Matrix Spike				Run: BAL-4-R_070825A			08/25/07 16:51	
Solids, Total Dissolved TDS @ 180 C	570	mg/L	5.0	100	80	120			
Sample ID: R07080295-002BMS	Sample Matrix Spike				Run: BAL-4-R_070825A			08/25/07 16:57	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	100	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080273

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 070824A-SLDS-TSS-W	
Sample ID: MBLK1_070824A	Method Blank				Run: BAL-4-R_070824A			08/24/07 12:14	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_070824A	Laboratory Control Sample				Run: BAL-4-R_070824A			08/24/07 12:14	
Solids, Total Suspended TSS @ 105 C	190	mg/L	5.0	97	85	115			
Method: A4500-H B								Batch: 070824_1_PH-W	
Sample ID: LCS_pH-1_070824	Laboratory Control Sample				Run: PH_COND2-R_070824A			08/24/07 09:53	
pH	6.86	s.u.	0.010	100	98.55	101.45			
Sample ID: R07080256-001ADUP	Sample Duplicate				Run: PH_COND2-R_070824A			08/24/07 09:57	
pH	7.84	s.u.	0.010				0.0	1.25	
Method: A9222 D								Batch: 070821-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_070821A			08/21/07 10:20	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						
Sample ID: R07080271-001A	Sample Duplicate				Run: MEMFILT_070821A			08/21/07 16:15	
Bacteria, Fecal Coliform	ND	CFU/100ml	2.0				0.0	10	
Method: D3977								Batch: 070830A-SLDS-SSC-W	
Sample ID: MBLK1_070830A	Method Blank				Run: BAL-4-R_070830A			08/30/07 09:17	
Solids, Suspended Sediment SSC @ 1	ND	mg/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080273

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_15865
Sample ID: MB-15865	Method Blank				Run: SUB-C89107				08/30/07 16:05
Boron	0.02	mg/L	0.01						
Iron	ND	mg/L	0.009						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	0.02	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Silicon as SiO2	0.02	mg/L	0.01						
Sample ID: LCS-15865	Laboratory Control Sample				Run: SUB-C89107				08/30/07 16:08
Boron	0.51	mg/L	0.10	103	90	110			
Iron	0.51	mg/L	0.030	103	90	110			
Calcium	48	mg/L	0.50	97	90	110			
Magnesium	50	mg/L	0.50	99	90	110			
Potassium	53	mg/L	0.50	105	90	110			
Sodium	49	mg/L	0.53	99	90	110			
Sample ID: C07081452-001BMS	Sample Matrix Spike				Run: SUB-C89107				08/30/07 17:04
Boron	9.5	mg/L	0.13	95	70	130			
Calcium	770	mg/L	0.79	84	70	130			
Iron	11	mg/L	0.087	97	70	130			
Magnesium	460	mg/L	0.80	89	70	130			
Potassium	1200	mg/L	0.50	104	70	130			
Sodium	460	mg/L	5.3	90	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07081452-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C89107				08/30/07 17:07
Silica	20	mg/L	0.11	92	70	130	0.0	20	
Boron	9.7	mg/L	0.13	97	70	130	1.9	20	
Calcium	780	mg/L	0.79	86	70	130	1.3	20	
Iron	11	mg/L	0.087	98	70	130	1.0	20	
Magnesium	480	mg/L	0.80	92	70	130	3.4	20	
Potassium	1300	mg/L	0.50	105	70	130	1.4	20	
Sodium	450	mg/L	5.3	87	70	130	2.5	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080273

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15865
Sample ID: MB-15865	Method Blank				Run: SUB-C89114				09/02/07 00:32
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	ND	mg/L	5E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	3E-05						
Mercury	ND	mg/L	6E-06						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	6E-05	mg/L	4E-05						
Thorium 232	ND	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LCS1-15865	Laboratory Control Sample				Run: SUB-C89114				09/02/07 00:39
Arsenic	0.020	mg/L	0.0010	102	80	120			
Barium	0.022	mg/L	0.10	109	80	120			
Cadmium	0.021	mg/L	0.010	105	80	120			
Chromium	0.020	mg/L	0.050	100	80	120			
Copper	0.020	mg/L	0.010	101	80	120			
Lead	0.021	mg/L	0.050	106	80	120			
Manganese	0.020	mg/L	0.010	102	80	120			
Molybdenum	0.021	mg/L	0.10	107	80	120			
Nickel	0.021	mg/L	0.050	104	80	120			
Selenium	0.10	mg/L	0.0010	103	80	120			
Silver	0.020	mg/L	0.010	98	80	120			
Thorium 232	0.018	mg/L	0.0010	92	80	120			
Uranium	0.021	mg/L	0.00030	104	80	120			
Vanadium	0.020	mg/L	0.10	100	80	120			
Zinc	0.022	mg/L	0.010	105	80	120			
Sample ID: LCS-15865	Laboratory Control Sample				Run: SUB-C89114				09/02/07 00:46
Arsenic	0.50	mg/L	0.0010	100	85	115			
Barium	0.52	mg/L	0.10	104	85	115			
Cadmium	0.50	mg/L	0.010	100	85	115			
Chromium	0.49	mg/L	0.050	99	85	115			
Copper	0.49	mg/L	0.010	97	85	115			
Lead	0.50	mg/L	0.050	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080273

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15865
Sample ID: LCS-15865	Laboratory Control Sample				Run: SUB-C89114				09/02/07 00:46
Manganese	0.50	mg/L	0.010	100	85	115			
Molybdenum	0.52	mg/L	0.10	104	85	115			
Nickel	0.49	mg/L	0.050	98	85	115			
Selenium	0.50	mg/L	0.0020	101	85	115			
Silver	0.27	mg/L	0.010	134	85	115			S
Uranium	0.51	mg/L	0.00032	102	85	115			
Vanadium	0.50	mg/L	0.10	100	85	115			
Zinc	0.51	mg/L	0.010	103	85	115			
Sample ID: R07080273-002D	Post Digestion Spike				Run: SUB-C89114				09/02/07 01:46
Arsenic	0.073	mg/L	0.0010	100	70	130			
Barium	0.17	mg/L	0.10	106	70	130			
Cadmium	0.069	mg/L	0.010	98	70	130			
Chromium	0.066	mg/L	0.050	93	70	130			
Copper	0.072	mg/L	0.010	96	70	130			
Lead	0.077	mg/L	0.050	105	70	130			
Manganese	0.46	mg/L	0.010		70	130			A
Mercury	0.0074	mg/L	0.0010	106	70	130			
Molybdenum	0.075	mg/L	0.10	101	70	130			
Nickel	0.076	mg/L	0.050	95	70	130			
Selenium	0.14	mg/L	0.0010	95	70	130			
Silver	0.037	mg/L	0.010	93	70	130			
Thorium 232	0.074	mg/L	0.0010	103	70	130			
Uranium	0.081	mg/L	0.00030	112	70	130			
Vanadium	0.073	mg/L	0.10	97	70	130			
Zinc	0.083	mg/L	0.010	97	70	130			
Sample ID: R07080273-002D	Post Digestion Spike Duplicate				Run: SUB-C89114				09/02/07 01:53
Arsenic	0.072	mg/L	0.0010	98	70	130	1.5	20	
Barium	0.17	mg/L	0.10	105	70	130	0.3	20	
Cadmium	0.069	mg/L	0.010	98	70	130	0.2	20	
Chromium	0.066	mg/L	0.050	92	70	130	0.6	20	
Copper	0.071	mg/L	0.010	93	70	130	2.5	20	
Lead	0.076	mg/L	0.050	104	70	130	0.8	20	
Manganese	0.46	mg/L	0.010		70	130	0.3	20	A
Mercury	0.0073	mg/L	0.0010	104	70	130	1.3	20	
Molybdenum	0.075	mg/L	0.10	102	70	130	0.0	20	
Nickel	0.075	mg/L	0.050	94	70	130	0.9	20	
Selenium	0.14	mg/L	0.0010	94	70	130	1.0	20	
Silver	0.039	mg/L	0.010	98	70	130	4.8	20	
Thorium 232	0.073	mg/L	0.0010	103	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080273

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_15865
Sample ID: R07080273-002D	Post Digestion Spike Duplicate				Run: SUB-C89114				09/02/07 01:53
Uranium	0.080	mg/L	0.00030	109	70	130	1.9	20	
Vanadium	0.072	mg/L	0.10	96	70	130	0.0	20	
Zinc	0.081	mg/L	0.010	94	70	130	2.1	20	
Method: E200.8									Batch: C_15874
Sample ID: MB-15874	Method Blank				Run: SUB-C89114				09/01/07 23:05
Uranium	9E-05	mg/L							
Sample ID: LCS1-15874	Laboratory Control Sample				Run: SUB-C89114				09/01/07 23:12
Uranium	0.0208	mg/L	0.00030	104	80	120			
Sample ID: LCS-15874	Laboratory Control Sample				Run: SUB-C89114				09/01/07 23:19
Uranium	0.990	mg/L	0.00030	99	85	115			
Sample ID: R07080273-002F	Post Digestion Spike				Run: SUB-C89114				09/02/07 00:12
Thorium 232	0.0127	mg/L	0.0010	101	70	130			
Uranium	0.0128	mg/L	0.00030	102	70	130			
Sample ID: R07080273-002F	Post Digestion Spike Duplicate				Run: SUB-C89114				09/02/07 00:19
Thorium 232	0.0128	mg/L	0.0010	102	70	130	1.5	20	
Uranium	0.0130	mg/L	0.00030	104	70	130	1.7	20	
Method: E300.0									Batch: R31064
Sample ID: LFB0708214726-3	Laboratory Fortified Blank				Run: DIONEX_070821A				08/21/07 20:03
Fluoride	1.92	mg/L	0.10	96	90	110			
Nitrogen, Nitrate as N	2.28	mg/L	0.10	91	90	110			
Sample ID: LFB0708214726-4	Laboratory Fortified Blank				Run: DIONEX_070821A				08/21/07 20:18
Fluoride	1.99	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.36	mg/L	0.10	94	90	110			
Sample ID: R07080273-001BMS	Sample Matrix Spike				Run: DIONEX_070821A				08/21/07 23:54
Fluoride	2.35	mg/L	0.10	88	80	120			
Nitrogen, Nitrate as N	2.23	mg/L	0.10	84	80	120			
Sample ID: R07080273-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070821A				08/22/07 00:10
Fluoride	2.36	mg/L	0.10	88	80	120	0.4	10	
Nitrogen, Nitrate as N	2.27	mg/L	0.10	86	80	120	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080273

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Batch: R31094	
Sample ID: LFB0708230306-3	Laboratory Fortified Blank				Run: DIONEX_070823A			08/23/07 22:12	
Chloride	4.86	mg/L	0.50	97	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: LFB0708230306-4	Laboratory Fortified Blank				Run: DIONEX_070823A			08/23/07 22:29	
Chloride	4.77	mg/L	0.50	95	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: R07080262-003AMS	Sample Matrix Spike				Run: DIONEX_070823A			08/24/07 05:36	
Chloride	28.2	mg/L	0.50	95	80	120			
Sulfate	210	mg/L	3.6	77	80	120			S
Sample ID: R07080262-003AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070823A			08/24/07 05:52	
Chloride	27.1	mg/L	0.50	91	80	120	3.7	10	
Sulfate	206	mg/L	3.6	71	80	120	2.0	10	S
Method: E900.0								Batch: C_GrAB-0319	
Sample ID: RB-GrAB-0319	Method Blank				Run: SUB-C89152			09/01/07 02:15	
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0319	Laboratory Control Sample				Run: SUB-C89152			09/01/07 02:16	
Gross Alpha	234	pCi/L	1.0	96	70	130			
Sample ID: Cs137-GrAB-0319	Laboratory Control Sample				Run: SUB-C89152			09/01/07 02:16	
Gross Beta	93.5	pCi/L	2.0	97	70	130			
Sample ID: C07081351-001AMS	Sample Matrix Spike				Run: SUB-C89152			09/01/07 02:16	
Gross Alpha	360	pCi/L	1.0	73	70	130			
Sample ID: C07081351-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C89152			09/01/07 02:15	
Gross Alpha	354	pCi/L	1.0	72	70	130	1.7	13.3	
Sample ID: C07081351-001AMS	Sample Matrix Spike				Run: SUB-C89152			09/01/07 02:15	
Gross Beta	182	pCi/L	2.0	93	70	130			
Sample ID: C07081351-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C89152			09/01/07 02:15	
Gross Beta	188	pCi/L	2.0	96	70	130	3.3	15.5	
Sample ID: C07080804-001ADUP	Sample Duplicate				Run: SUB-C89152			09/02/07 04:25	
Gross Alpha	5.41	pCi/L	1.0				3.9	37.5	
Gross Beta	7.51	pCi/L	2.0				30	56.6	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/11/07
Work Order: R07080273

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2284
Sample ID: C07081530-001AMS	Sample Matrix Spike				Run: SUB-C89178				09/04/07 14:06
Radium 226	29.5	pCi/L	0.20	78	70	130			
- Spike response is acceptable. Since the LCS and the RPD for the MS MSD pair are acceptable, the low response is considered to be matrix related. The batch is approve									
Sample ID: C07081530-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C89178				09/04/07 14:06
Radium 226	27.1	pCi/L	0.20	66	70	130	8.4	25.3	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the low response is considered to be matrix related. The batch is approved.									
Sample ID: RB-RA226-2284	Method Blank				Run: SUB-C89178				09/04/07 15:12
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2284	Laboratory Control Sample				Run: SUB-C89178				09/04/07 15:12
Radium 226	11	pCi/L	0.20	85	70	130			

Qualifiers:

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

Sample R07080273-001 Reported in Run WATERCALC_070910A

SAMPLE ID: **R07080273-001** 9/10/2007

	CATIONS mg/L	meq/L		ANIONS mg/L	meq/L
Acidity(as CaCO3)			Cl	**158**	4.45
Ca	**73**	3.64	SO4	**511**	10.65
Mg	**28**	2.29	T. Alkalinity	**112**	2.24
K	**11**	0.29	HCO3	137	
Na	**263**	11.44	CO3	<1	
Al	**<1**	0.06			
Fe	**<1**	0.02			
Mn	**<1**	0.01			
Hardness (as CaCO3)	297		OH		
Hardness, grains/gal.	17.4		NO3	**0.1**	0.01
NH4+			PO4		
Si	**2.9**		F	**0.6**	0.03
			CN		
			Br	**<0.1**	0.00
	Total Cations	17.76		Total Anions	17.38

BALANCE, (± 5%) 1.06
BALANCE, "sigma" -0.99

	Measured	Calculated
Sample pH	**8.8**	
Conductivity (umho/cm)		1560
TDS	**1080**	1120
TDS Ratio	0.96	
Resistivity (RW - ohm-m)		
Estimated Ionic Strength (from TDS)		0.0271

Salinity	
Cl as NaCl	260
Carbonate Hardness	112
Non-carbonate Hardness	185
Free CO2	
Total CO2	
SAR	6.64
Langlier Saturation Index	1.1
Ryznar Index	6.51
Aggressive Index	13.11
Temp	20

Very hard water.

SAMPLE ID: R07080273-001

BALANCE, (± 5%) 1.06

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

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

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Powertech Dewey-Burdock

Report Mail Address: 3824 Jet Dr. Rapid City, SD 57703

Contact Name, Phone, Fax, E-mail: Cory Foreman 605.381.0024

Sampler Name if other than Contact:

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #: R278 R286

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

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

Receipt Temp on 18.6 °C ice

Cooler ID(s)

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Thorium, Uranium, Full Strip R286								SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	LABORATORY USE ONLY
1	Dew Burd BVC01	8/20/07	17:07	W	X											Bottle Set 5	0708 0273-001
2	Dew Burd BVC04	8/20/07	16:08	W	X											Bottle Set 4	-002
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 8/21/07 11:10 Shipped by: Received by: [signature] Date/Time: 8-21-07 1110

Relinquished by: Date/Time: Shipped by: Received by: Date/Time:

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

October 10, 2007

RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R07090098

Project Name: Edgemont

Energy Laboratories Inc. received the following 3 samples from RESPEC Inc on 9/6/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07090098-001	DewBurd CHR01	09/05/07 17:30	09/06/07	Aqueous	Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Anions by Ion Chromatography pH Metals Digestion by EPA 200.2 Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Radium 226, Total Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07090098-002	DewBurd CHR01	09/05/07 17:25	09/06/07	Aqueous	Same As Above
R07090098-003	DewBurdCHR05	09/05/07 18:20	09/06/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by RESPEC Inc on 9/6/2007 1:18:00 PM. These samples were assigned ELI Workorder Number R07090098.

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

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

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

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

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

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

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090098-001
Client Sample ID: DewBurd CHR01

Report Date: 10/10/07
Collection Date: 09/05/07 17:30
Date Received: 09/06/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	150	CFU/100ml	D	2		2	A9222 D	09/06/07 17:25/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	198	mg/L		5		1	A2320 B	09/19/07 11:08/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	09/19/07 11:08/jn
Bicarbonate as HCO3	236	mg/L		5		1	A2320 B	09/19/07 11:08/jn
Calcium	191	mg/L		1.0		10	E200.7	10/04/07 23:40/eli-c
Chloride	74	mg/L		1		20	E300.0	09/07/07 15:41/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/07/07 16:30/jmh
Magnesium	94	mg/L		1.0		10	E200.7	10/04/07 23:40/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/07/07 16:30/jmh
Potassium	15	mg/L		1.0		10	E200.7	10/04/07 23:40/eli-c
Silica	8.1	mg/L		1.0		10	E200.7	10/04/07 23:40/eli-c
Sodium	665	mg/L		1.0		10	E200.7	10/04/07 23:40/eli-c
Sulfate	2060	mg/L	D	40		50	E300.0	09/08/07 22:16/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4030	umhos/cm		5		1	A2510 B	09/11/07 09:25/jmh
pH	8.26	s.u.		0.01		1	A4500-H B	09/11/07 08:40/jmh
Solids, Suspended Sediment SSC @ 105 C	56	mg/L		5		1	D3977	09/11/07 08:11/jn
Solids, Total Dissolved TDS @ 180 C	3200	mg/L		5		1	A2540 C	09/08/07 12:13/jn
Solids, Total Suspended TSS @ 105 C	57	mg/L		5		1	A2540 D	09/10/07 08:57/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	09/19/07 19:58/eli-c
Uranium	0.0012	mg/L		0.0003		1	E200.8	09/19/07 19:58/eli-c
METALS - TOTAL								
Arsenic	0.002	mg/L		0.001		1	E200.8	09/18/07 03:57/eli-c
Barium	ND	mg/L		0.1		1	E200.8	09/18/07 03:57/eli-c
Boron	0.61	mg/L	D	0.20		10	E200.7	10/04/07 23:40/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/18/07 03:57/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	09/18/07 03:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/18/07 03:57/eli-c
Iron	0.71	mg/L	D	0.05		10	E200.7	10/04/07 23:40/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	09/18/07 03:57/eli-c
Manganese	0.21	mg/L		0.01		1	E200.8	09/18/07 03:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/18/07 03:57/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090098-001
Client Sample ID: DewBurd CHR01

Report Date: 10/10/07
Collection Date: 09/05/07 17:30
Date Received: 09/06/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		1	E200.8	09/18/07 03:57/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	09/18/07 03:57/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	09/18/07 03:57/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/18/07 03:57/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/18/07 03:57/eli-c
Uranium	0.0142	mg/L		0.0003		1	E200.8	09/18/07 03:57/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	09/18/07 03:57/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	09/18/07 03:57/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	16.7	pCi/L		1.0		1	E900.0	09/19/07 01:41/eli-c
Gross Alpha precision (±)	5.1	pCi/L				1	E900.0	09/19/07 01:41/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	09/19/07 01:41/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	09/23/07 09:06/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.45	%				1	A1030 E	10/05/07 17:01/eli-c
Anions	49.0	meq/L				1	A1030 E	10/05/07 17:01/eli-c
Cations	46.7	meq/L				1	A1030 E	10/05/07 17:01/eli-c
Solids, Total Dissolved Calculated	3230	mg/L				1	A1030 E	10/05/07 17:01/eli-c
TDS Balance (0.80 - 1.20)	0.990	dec. %				1	A1030 E	10/05/07 17:01/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090098-002
Client Sample ID: DewBurd CHR01

Report Date: 10/10/07
Collection Date: 09/05/07 17:25
Date Received: 09/06/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	160	CFU/100ml	D	2		2	A9222 D	09/06/07 17:25/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	196	mg/L		5		1	A2320 B	09/19/07 11:11/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	09/19/07 11:11/jn
Bicarbonate as HCO3	234	mg/L		5		1	A2320 B	09/19/07 11:11/jn
Calcium	186	mg/L		1.0		10	E200.7	10/04/07 23:44/eli-c
Chloride	74	mg/L		1		20	E300.0	09/07/07 16:47/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/07/07 17:03/jmh
Magnesium	92	mg/L		1.0		10	E200.7	10/04/07 23:44/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/07/07 17:03/jmh
Potassium	15	mg/L		1.0		10	E200.7	10/04/07 23:44/eli-c
Silica	7.8	mg/L		1.0		10	E200.7	10/04/07 23:44/eli-c
Sodium	657	mg/L		1.0		10	E200.7	10/04/07 23:44/eli-c
Sulfate	2010	mg/L	D	40		50	E300.0	09/08/07 22:33/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3990	umhos/cm		5		1	A2510 B	09/11/07 09:29/jmh
pH	8.30	s.u.		0.01		1	A4500-H B	09/11/07 08:42/jmh
Solids, Suspended Sediment SSC @ 105 C	49	mg/L		5		1	D3977	09/11/07 08:12/jn
Solids, Total Dissolved TDS @ 180 C	3200	mg/L		5		1	A2540 C	09/08/07 12:13/jn
Solids, Total Suspended TSS @ 105 C	54	mg/L		5		1	A2540 D	09/10/07 08:59/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	09/19/07 20:06/eli-c
Uranium	0.0012	mg/L		0.0003		1	E200.8	09/19/07 20:06/eli-c
METALS - TOTAL								
Arsenic	0.002	mg/L		0.001		1	E200.8	09/18/07 04:35/eli-c
Barium	ND	mg/L		0.1		1	E200.8	09/18/07 04:35/eli-c
Boron	0.60	mg/L	D	0.20		10	E200.7	10/04/07 23:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/18/07 04:35/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	09/18/07 04:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/18/07 04:35/eli-c
Iron	0.66	mg/L	D	0.05		10	E200.7	10/04/07 23:44/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	09/18/07 04:35/eli-c
Manganese	0.20	mg/L		0.01		1	E200.8	09/18/07 04:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/18/07 04:35/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090098-002
Client Sample ID: DewBurd CHR01

Report Date: 10/10/07
Collection Date: 09/05/07 17:25
Date Received: 09/06/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		1	E200.8	09/18/07 04:35/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	09/18/07 04:35/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	09/18/07 04:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/18/07 04:35/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/18/07 04:35/eli-c
Uranium	0.0142	mg/L		0.0003		1	E200.8	09/18/07 04:35/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	09/18/07 04:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	09/18/07 04:35/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	15.9	pCi/L		1.0		1	E900.0	09/19/07 01:41/eli-c
Gross Alpha precision (±)	5.0	pCi/L				1	E900.0	09/19/07 01:41/eli-c
Gross Beta	18.6	pCi/L		2.0		1	E900.0	09/19/07 01:41/eli-c
Gross Beta precision (±)	13.4	pCi/L				1	E900.0	09/19/07 01:41/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	09/23/07 10:06/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.10	%				1	A1030 E	10/05/07 17:03/eli-c
Anions	47.9	meq/L				1	A1030 E	10/05/07 17:03/eli-c
Cations	45.9	meq/L				1	A1030 E	10/05/07 17:03/eli-c
Solids, Total Dissolved Calculated	3160	mg/L				1	A1030 E	10/05/07 17:03/eli-c
TDS Balance (0.80 - 1.20)	1.02	dec. %				1	A1030 E	10/05/07 17:03/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090098-003
Client Sample ID: DewBurdCHR05

Report Date: 10/10/07
Collection Date: 09/05/07 18:20
Date Received: 09/06/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	290	CFU/100ml	D	10		10	A9222 D	09/06/07 17:25/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	214	mg/L		5		1	A2320 B	09/19/07 11:12/jn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	09/19/07 11:12/jn
Bicarbonate as HCO3	261	mg/L		5		1	A2320 B	09/19/07 11:12/jn
Calcium	270	mg/L		1.0		10	E200.7	10/04/07 23:48/eli-c
Chloride	344	mg/L		1		20	E300.0	09/07/07 17:19/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/07/07 17:36/jmh
Magnesium	151	mg/L		1.0		10	E200.7	10/04/07 23:48/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/07/07 17:36/jmh
Potassium	14	mg/L		1.0		10	E200.7	10/04/07 23:48/eli-c
Silica	7.8	mg/L		1.0		10	E200.7	10/04/07 23:48/eli-c
Sodium	652	mg/L		1.0		10	E200.7	10/04/07 23:48/eli-c
Sulfate	2160	mg/L	D	40		50	E300.0	09/08/07 22:49/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4630	umhos/cm		5		1	A2510 B	09/11/07 09:30/jmh
pH	8.08	s.u.		0.01		1	A4500-H B	09/11/07 08:43/jmh
Solids, Suspended Sediment SSC @ 105 C	6	mg/L		5		1	D3977	09/11/07 08:12/jn
Solids, Total Dissolved TDS @ 180 C	3700	mg/L		5		1	A2540 C	09/08/07 12:14/jn
Solids, Total Suspended TSS @ 105 C	6	mg/L		5		1	A2540 D	09/10/07 08:59/jn
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	09/19/07 20:14/eli-c
Uranium	0.0003	mg/L		0.0003		1	E200.8	09/19/07 20:14/eli-c
METALS - TOTAL								
Arsenic	0.001	mg/L		0.001		1	E200.8	09/18/07 04:42/eli-c
Barium	ND	mg/L		0.1		1	E200.8	09/18/07 04:42/eli-c
Boron	0.54	mg/L	D	0.20		10	E200.7	10/04/07 23:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	09/18/07 04:42/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	09/18/07 04:42/eli-c
Copper	ND	mg/L		0.01		1	E200.8	09/18/07 04:42/eli-c
Iron	0.25	mg/L	D	0.05		10	E200.7	10/04/07 23:48/eli-c
Lead	ND	mg/L		0.001		1	E200.8	09/18/07 04:42/eli-c
Manganese	0.48	mg/L		0.01		1	E200.8	09/18/07 04:42/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	09/18/07 04:42/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090098-003
Client Sample ID: DewBurdCHR05

Report Date: 10/10/07
Collection Date: 09/05/07 18:20
Date Received: 09/06/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Molybdenum	ND	mg/L		0.1		1	E200.8	09/18/07 04:42/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	09/18/07 04:42/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	09/18/07 04:42/eli-c
Silver	ND	mg/L		0.005		1	E200.8	09/18/07 04:42/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	09/18/07 04:42/eli-c
Uranium	0.0136	mg/L		0.0003		1	E200.8	09/18/07 04:42/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	09/18/07 04:42/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	09/18/07 04:42/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	9.7	pCi/L		1.0		1	E900.0	09/19/07 01:41/eli-c
Gross Alpha precision (±)	4.6	pCi/L				1	E900.0	09/19/07 01:41/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	09/19/07 01:41/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	09/23/07 11:07/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.85	%				1	A1030 E	10/05/07 17:05/eli-c
Anions	59.0	meq/L				1	A1030 E	10/05/07 17:05/eli-c
Cations	54.6	meq/L				1	A1030 E	10/05/07 17:05/eli-c
Solids, Total Dissolved Calculated	3730	mg/L				1	A1030 E	10/05/07 17:05/eli-c
TDS Balance (0.80 - 1.20)	1.00	dec. %				1	A1030 E	10/05/07 17:05/eli-c

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/10/07
Work Order: R07090098

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 070919A-ALK-SEL-W	
Sample ID: MBLK1_070919A	Method Blank				Run: PH_COND1-R_070719B			09/19/07 10:51	
Alkalinity, Total as CaCO3	4	mg/L	3						
Sample ID: LCS1_070919A	Laboratory Control Sample				Run: PH_COND1-R_070719B			09/19/07 11:02	
Alkalinity, Total as CaCO3	972	mg/L	5.0	97	90	110			
Sample ID: R07090151-004AMS	Sample Matrix Spike				Run: PH_COND1-R_070719B			09/19/07 11:46	
Alkalinity, Total as CaCO3	276	mg/L	5.0	94	80	120			
Method: A2510 B								Batch: 070911_1_COND-PROBE-W	
Sample ID: LCS1-1_070911	Laboratory Control Sample				Run: PH_COND2-R_070911A			09/11/07 09:25	
Conductivity @ 25 C	152	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_070911	Laboratory Control Sample				Run: PH_COND2-R_070911A			09/11/07 09:26	
Conductivity @ 25 C	4990	umhos/cm	5.0	100	90	110			
Sample ID: LCS_COND-1_070911	Laboratory Control Sample				Run: PH_COND2-R_070911A			09/11/07 09:27	
Conductivity @ 25 C	1420	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_070911	Method Blank				Run: PH_COND2-R_070911A			09/11/07 09:28	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07090098-001BDUP	Sample Duplicate				Run: PH_COND2-R_070911A			09/11/07 09:28	
Conductivity @ 25 C	3980	umhos/cm	5.0				1.2	10	
Method: A2540 C								Batch: 070908A-SLDS-TDS-W	
Sample ID: MBLK1_070908A	Method Blank				Run: BAL-4-R_070908B			09/08/07 12:06	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_070908A	Laboratory Control Sample				Run: BAL-4-R_070908B			09/08/07 12:06	
Solids, Total Dissolved TDS @ 180 C	190	mg/L	5.0	97	90	110			
Sample ID: R07090063-002AMS	Sample Matrix Spike				Run: BAL-4-R_070908B			09/08/07 12:11	
Solids, Total Dissolved TDS @ 180 C	4800	mg/L	5.0	100	80	120			
Sample ID: R07090106-004CMS	Sample Matrix Spike				Run: BAL-4-R_070908B			09/08/07 12:16	
Solids, Total Dissolved TDS @ 180 C	9300	mg/L	5.0	108	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/10/07
Work Order: R07090098

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 070910A-SLDS-TSS-W	
Sample ID: MBLK1_070910A	Method Blank				Run: BAL-4-R_070910A			09/10/07 08:43	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_070910A	Laboratory Control Sample				Run: BAL-4-R_070910A			09/10/07 08:43	
Solids, Total Suspended TSS @ 105 C	190	mg/L	5.0	94	85	115			
Method: A4500-H B								Batch: 070911_1_PH-W	
Sample ID: LCS_pH-1_070911	Laboratory Control Sample				Run: PH_COND2-R_070911A			09/11/07 08:38	
pH	6.84	s.u.	0.010	100	98.55	101.45			
Sample ID: R07090098-001BDUP	Sample Duplicate				Run: PH_COND2-R_070911A			09/11/07 08:41	
pH	8.27	s.u.	0.010				0.1	1.25	
Method: A9222 D								Batch: 070906-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_070906A			09/06/07 17:25	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						
Sample ID: R07090100-001A	Sample Duplicate				Run: MEMFILT_070906A			09/06/07 17:25	
Bacteria, Fecal Coliform	4.0	CFU/100ml	2.0				110	10	R
Method: D3977								Batch: 070910A-SLDS-SSC-W	
Sample ID: MBLK1_070910A	Method Blank				Run: BAL-4-R_070910B			09/11/07 08:08	
Solids, Suspended Sediment SSC @ 1	ND	mg/L							

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/10/07
Work Order: R07090098

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_16073
Sample ID: MB-16073	Method Blank				Run: SUB-C90814				10/04/07 23:52
Boron	ND	mg/L	0.02						
Iron	ND	mg/L	0.005						
Calcium	ND	mg/L	0.04						
Magnesium	ND	mg/L	0.06						
Potassium	ND	mg/L	0.05						
Silica	ND	mg/L	0.1						
Sodium	0.4	mg/L	0.07						
Sample ID: LCS-16073	Laboratory Control Sample				Run: SUB-C90814				10/04/07 23:56
Boron	0.47	mg/L	0.10	94	90	110			
Iron	0.48	mg/L	0.030	96	90	110			
Calcium	45	mg/L	0.50	90	90	110			
Magnesium	49	mg/L	0.50	99	90	110			
Potassium	49	mg/L	0.50	97	90	110			
Silica	0.51	mg/L	0.10	102	90	110			
Sodium	47	mg/L	0.50	93	90	110			
Sample ID: C07090508-001BMS	Sample Matrix Spike				Run: SUB-C90814				10/05/07 00:04
Boron	0.94	mg/L	0.10	90	70	130			
Iron	0.92	mg/L	0.030	90	70	130			
Calcium	120	mg/L	0.50	60	70	130			S
Magnesium	54	mg/L	0.50	79	70	130			
Potassium	120	mg/L	0.50	96	70	130			
Silica	11	mg/L	0.10		70	130			A
Sodium	60	mg/L	0.50	86	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07090508-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C90814				10/05/07 00:07
Boron	0.98	mg/L	0.10	95	70	130	4.5	20	
Iron	0.95	mg/L	0.030	94	70	130	4.0	20	
Calcium	120	mg/L	0.50	62	70	130	0.8	20	S
Magnesium	56	mg/L	0.50	84	70	130	4.7	20	
Potassium	120	mg/L	0.50	98	70	130	1.5	20	
Silica	11	mg/L	0.10		70	130	2.1	20	A
Sodium	60	mg/L	0.50	87	70	130	0.7	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/10/07
Work Order: R07090098

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16073
Sample ID: MB-16073	Method Blank				Run: SUB-C89896				09/18/07 02:58
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	0.0002						
Nickel	0.002	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	0.0002						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	0.0001						
Zinc	ND	mg/L	0.002						
Sample ID: LCS-16073	Laboratory Control Sample				Run: SUB-C89896				09/18/07 03:13
Arsenic	0.0486	mg/L	0.0010	97	85	115			
Barium	0.0488	mg/L	0.10	98	85	115			
Cadmium	0.0482	mg/L	0.010	96	85	115			
Chromium	0.0479	mg/L	0.050	96	85	115			
Copper	0.0478	mg/L	0.010	96	85	115			
Lead	0.0469	mg/L	0.050	94	85	115			
Manganese	0.0486	mg/L	0.010	97	85	115			
Molybdenum	0.0491	mg/L	0.10	98	85	115			
Nickel	0.0482	mg/L	0.050	93	85	115			
Selenium	0.0487	mg/L	0.0010	97	85	115			
Silver	0.0197	mg/L	0.010	98	85	115			
Uranium	0.0486	mg/L	0.00030	97	85	115			
Vanadium	0.0481	mg/L	0.10	96	85	115			
Zinc	0.0491	mg/L	0.010	98	85	115			
Sample ID: C07090470-001DMS4	Post Digestion Spike				Run: SUB-C89896				09/18/07 04:57
Arsenic	0.0568	mg/L	0.0010	79	70	130			
Barium	0.0776	mg/L	0.10	106	70	130			
Cadmium	0.0676	mg/L	0.010	97	70	130			
Chromium	0.0727	mg/L	0.050	100	70	130			
Copper	0.0759	mg/L	0.010	98	70	130			
Lead	0.0735	mg/L	0.050	103	70	130			
Manganese	0.174	mg/L	0.010	75	70	130			
Mercury	0.00516	mg/L	0.0010	74	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/10/07
Work Order: R07090098

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16073
Sample ID: C07090470-001DMS4	Post Digestion Spike				Run: SUB-C89896				09/18/07 04:57
Molybdenum	0.0657	mg/L	0.10	85	70	130			
Nickel	0.0743	mg/L	0.050	83	70	130			
Selenium	0.0603	mg/L	0.0010	85	70	130			
Silver	0.0183	mg/L	0.010	91	70	130			
Uranium	0.0769	mg/L	0.00030	110	70	130			
Vanadium	0.0675	mg/L	0.10	94	70	130			
Zinc	0.111	mg/L	0.010	89	70	130			
Sample ID: C07090470-001DMSD4	Post Digestion Spike Duplicate				Run: SUB-C89896				09/18/07 05:05
Arsenic	0.0568	mg/L	0.0010	79	70	130	0.0	20	
Barium	0.0789	mg/L	0.10	108	70	130	0.0	20	
Cadmium	0.0680	mg/L	0.010	97	70	130	0.5	20	
Chromium	0.0730	mg/L	0.050	100	70	130	0.3	20	
Copper	0.0766	mg/L	0.010	99	70	130	1.0	20	
Lead	0.0740	mg/L	0.050	103	70	130	0.8	20	
Manganese	0.172	mg/L	0.010	72	70	130	1.3	20	
Mercury	0.00511	mg/L	0.0010	73	70	130	1.0	20	
Molybdenum	0.0672	mg/L	0.10	87	70	130	0.0	20	
Nickel	0.0748	mg/L	0.050	84	70	130	0.7	20	
Selenium	0.0600	mg/L	0.0010	84	70	130	0.5	20	
Silver	0.0157	mg/L	0.010	79	70	130	15	20	
Uranium	0.0775	mg/L	0.00030	111	70	130	0.7	20	
Vanadium	0.0675	mg/L	0.10	94	70	130	0.0	20	
Zinc	0.109	mg/L	0.010	85	70	130	2.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/10/07
Work Order: R07090098

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16142
Sample ID: MB-16142	Method Blank				Run: SUB-C90046				09/19/07 18:44
Uranium	0.0004	mg/L	4E-05						
Sample ID: LCS-16142	Laboratory Control Sample				Run: SUB-C90046				09/19/07 18:51
Uranium	0.0498	mg/L	0.00035	99	85	115			
Sample ID: R07090098-003F	Post Digestion Spike				Run: SUB-C90046				09/19/07 20:21
Uranium	0.0244	mg/L	0.00030	96	70	130			
Sample ID: R07090098-003F	Post Digestion Spike Duplicate				Run: SUB-C90046				09/19/07 20:29
Uranium	0.0248	mg/L	0.00030	98	70	130	1.7	20	
Sample ID: R07090098-003F	Post Digestion Spike				Run: SUB-C90046				09/19/07 20:21
Thorium 232	0.0239	mg/L	0.0010	96	70	130			
Sample ID: R07090098-003F	Post Digestion Spike Duplicate				Run: SUB-C90046				09/19/07 20:29
Thorium 232	0.0245	mg/L	0.0010	98	70	130	2.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/10/07
Work Order: R07090098

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31290
Sample ID: LFB0709074817-3	Laboratory Fortified Blank				Run: DIONEX_070907A				09/07/07 15:08
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	1.91	mg/L	0.10	96	90	110			
Nitrogen, Nitrate as N	2.30	mg/L	0.10	92	90	110			
Sample ID: LFB0709074817-4	Laboratory Fortified Blank				Run: DIONEX_070907A				09/07/07 15:24
Chloride	4.93	mg/L	0.50	99	90	110			
Fluoride	2.01	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.25	mg/L	0.10	90	90	110			
Sample ID: R07090098-001BMS	Sample Matrix Spike				Run: DIONEX_070907A				09/07/07 15:57
Chloride	160	mg/L	0.80	86	80	120			
Fluoride	40.3	mg/L	1.3	101	80	120			
Nitrogen, Nitrate as N	47.8	mg/L	0.34	96	80	120			
Sample ID: R07090098-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070907A				09/07/07 16:14
Chloride	161	mg/L	0.80	87	80	120	0.4	10	
Fluoride	39.5	mg/L	1.3	99	80	120	2.1	10	
Nitrogen, Nitrate as N	46.8	mg/L	0.34	94	80	120	2.1	10	
Sample ID: R07090106-002CMS	Sample Matrix Spike				Run: DIONEX_070907A				09/07/07 19:14
Chloride	167	mg/L	0.80	90	80	120			
Fluoride	40.3	mg/L	1.3	101	80	120			
Nitrogen, Nitrate as N	49.4	mg/L	0.34	95	80	120			
Sample ID: R07090106-002CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070907A				09/07/07 19:31
Chloride	166	mg/L	0.80	89	80	120	0.8	10	
Fluoride	39.1	mg/L	1.3	98	80	120	2.9	10	
Nitrogen, Nitrate as N	47.7	mg/L	0.34	92	80	120	3.5	10	
Method: E300.0									Batch: R31293
Sample ID: LFB0709084128-3	Laboratory Fortified Blank				Run: DIONEX_070908A				09/08/07 20:38
Sulfate	14.5	mg/L	1.0	97	90	110			
Sample ID: LFB0709084128-4	Laboratory Fortified Blank				Run: DIONEX_070908A				09/08/07 20:54
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: R07090117-001AMS	Sample Matrix Spike				Run: DIONEX_070908A				09/08/07 21:44
Sulfate	986	mg/L	14	80	80	120			
Sample ID: R07090117-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070908A				09/08/07 22:00
Sulfate	974	mg/L	14	76	80	120	1.2	10	S

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/10/07
Work Order: R07090098

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0323	
Sample ID: RB-GrAB-0323	Method Blank				Run: SUB-C89970			09/17/07 21:54	
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0323	Laboratory Control Sample				Run: SUB-C89970			09/17/07 21:54	
Gross Alpha	230	pCi/L	1.0	94	70	130			
Sample ID: Cs137-GrAB-0323	Laboratory Control Sample				Run: SUB-C89970			09/17/07 21:54	
Gross Beta	85.9	pCi/L	2.0	94	70	130			
Sample ID: C07090292-001AMS	Sample Matrix Spike				Run: SUB-C89970			09/17/07 21:54	
Gross Alpha	233	pCi/L	1.0	95	70	130			
Sample ID: C07090292-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C89970			09/17/07 21:54	
Gross Alpha	224	pCi/L	1.0	91	70	130	3.8	13.8	
Sample ID: C07090292-001AMS	Sample Matrix Spike				Run: SUB-C89970			09/17/07 21:54	
Gross Beta	90.6	pCi/L	2.0	99	70	130			
Sample ID: C07090292-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C89970			09/17/07 21:54	
Gross Beta	92.2	pCi/L	2.0	100	70	130	1.7	15.5	
Sample ID: R07090086-001A	Sample Duplicate				Run: SUB-C89970			09/18/07 10:22	
Gross Alpha	21.8	pCi/L	1.0				4.0	21.1	
Gross Beta	20.5	pCi/L	2.0				9.2	26.8	
Method: E903.0								Batch: C_RA226-2308	
Sample ID: C07090420-001AMS	Sample Matrix Spike				Run: SUB-C90184			09/23/07 07:05	
Radium 226	20	pCi/L	0.20	69	70	130			S
Sample ID: C07090420-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C90184			09/23/07 08:05	
Radium 226	21	pCi/L	0.20	70	70	130	1.3	28.7	
Sample ID: MB-RA226-2308	Method Blank				Run: SUB-C90184			09/23/07 19:17	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2308	Laboratory Control Sample				Run: SUB-C90184			09/23/07 20:17	
Radium 226	11	pCi/L	0.20	88	70	130			

Qualifiers:

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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

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

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Powertech Dewey Burdock

Report Mail Address: 3824 Jet Drive, Rapid City, SD 57703

Contact Name, Phone, Fax, E-mail:

Sampler Name if other than Contact:

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #:

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

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

Shipped by:

Cooler ID(s)

Receipt Temp 2.6 °C on ice

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	DewBurd CHR01	17:30	9/05/07					Bottle Set 2	R0709009 8-001
2	DewBurd CHR01	17:25	9/05/07					Bottle Set 9	002
3	DewBurd CHR05	18:20	9/05/07					Bottle Set 8	003
4									
5									
6									
7									
8									
9									
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	9/6/07 13:18		Steve Froiland	9-6-07 1318	

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

December 19, 2007

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

Workorder No.: R07090368 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 9/27/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07090368-001	DewBurd CHR01	09/26/07 12:01	09/27/07	Aqueous	Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Anions by Ion Chromatography Metals by, Dissolved pH Metals Digestion by EPA 200.2 Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07090368-002	DewBurd BVC01	09/26/07 12:16	09/27/07	Aqueous	Same As Above
R07090368-003	DewBurd SUB08	09/26/07 18:40	09/27/07	Aqueous	Same As Above
R07090368-004	DewBurd CHR05	09/26/07 15:30	09/27/07	Aqueous	Same As Above

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

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

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

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Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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Date: *19-Dec-07*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R07090368

CASE NARRATIVE

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

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

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

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

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

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

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-001
Client Sample ID: DewBurd CHR01

Report Date: 12/19/07
Collection Date: 09/26/07 12:01
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	76	CFU/100ml	D	2		2	A9222 D	09/27/07 12:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	248	mg/L		5		1	A2320 B	10/04/07 16:17/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 16:17/sn
Bicarbonate as HCO3	302	mg/L		5		1	A2320 B	10/04/07 16:17/sn
Calcium	344	mg/L		1.0		10	E200.7	10/09/07 17:44/eli-c
Chloride	138	mg/L	D	2		50	E300.0	09/28/07 01:10/jmh
Fluoride	0.1	mg/L		0.1		1	E300.0	09/28/07 01:59/jmh
Magnesium	172	mg/L		1.0		10	E200.7	10/09/07 17:44/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 01:59/jmh
Potassium	17	mg/L		1.0		1	E200.7	10/08/07 21:30/eli-c
Silica	8.6	mg/L		1.0		1	E200.7	10/08/07 21:30/eli-c
Sodium	1180	mg/L	D	5.3		10	E200.7	10/08/07 19:48/eli-c
Sulfate	3970	mg/L	D	40		50	E300.0	09/28/07 01:10/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6450	umhos/cm		5		1	A2510 B	10/02/07 18:23/jmh
pH	8.20	s.u.		0.01		1	A4500-H B	10/02/07 18:24/jmh
Solids, Suspended Sediment SSC @ 105 C	34	mg/L		5		1	D3977	10/05/07 08:38/jmh
Solids, Total Dissolved TDS @ 180 C	5900	mg/L		5		1	A2540 C	10/02/07 13:05/sn
Solids, Total Suspended TSS @ 105 C	35	mg/L		5		1	A2540 D	09/27/07 13:34/sn
METALS - DISSOLVED								
Uranium	0.0149	mg/L		0.0003		1	E200.8	10/24/07 15:47/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	10/09/07 02:47/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	10/09/07 02:47/eli-c
METALS - TOTAL								
Arsenic	0.002	mg/L		0.001		1	E200.8	10/08/07 22:54/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/08/07 22:54/eli-c
Boron	0.34	mg/L		0.10		2	E200.7	10/09/07 21:38/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/08/07 22:54/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/08/07 22:54/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/08/07 22:54/eli-c
Iron	1.1	mg/L		0.03		1	E200.7	10/08/07 21:30/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-001
Client Sample ID: DewBurd CHR01

Report Date: 12/19/07
Collection Date: 09/26/07 12:01
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Lead	ND	mg/L		0.001		1	E200.8	10/08/07 22:54/eli-c
Manganese	0.25	mg/L		0.01		1	E200.8	10/08/07 22:54/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/08/07 22:54/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/08/07 22:54/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/08/07 22:54/eli-c
Selenium	0.003	mg/L		0.001		1	E200.8	10/08/07 22:54/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/08/07 22:54/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/08/07 22:54/eli-c
Uranium	0.0150	mg/L		0.0003		1	E200.8	10/08/07 22:54/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/08/07 22:54/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	10/09/07 21:38/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 19:38/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	12/10/07 19:38/eli-c
Thorium 230	ND	pCi/L		0.20		1	E907.0	12/10/07 19:38/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/24/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/25/07 16:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/30/07 13:34/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/26/07 10:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	33.8	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Alpha precision (±)	6.1	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Gross Beta	21.9	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta precision (±)	14.0	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	10/15/07 12:20/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.68	%				1	A1030 E	12/10/07 19:54/eli-c
Anions	91.5	meq/L				1	A1030 E	12/10/07 19:54/eli-c
Cations	83.3	meq/L				1	A1030 E	12/10/07 19:54/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-001
Client Sample ID: DewBurd CHR01

Report Date: 12/19/07
Collection Date: 09/26/07 12:01
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Solids, Total Dissolved Calculated	5970	mg/L				1	A1030 E	12/10/07 19:54/eli-c
TDS Balance (0.80 - 1.20)	0.980	dec. %				1	A1030 E	12/10/07 19:54/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-002
Client Sample ID: DewBurd BVC01

Report Date: 12/19/07
Collection Date: 09/26/07 12:16
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	09/27/07 12:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	78	mg/L		5		1	A2320 B	10/04/07 16:34/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 16:34/sn
Bicarbonate as HCO3	85	mg/L		5		1	A2320 B	10/04/07 16:34/sn
Calcium	53	mg/L		1.0		10	E200.7	10/09/07 17:48/eli-c
Chloride	141	mg/L	D	2		50	E300.0	09/28/07 02:15/jmh
Fluoride	0.9	mg/L		0.1		1	E300.0	09/28/07 03:05/jmh
Magnesium	28	mg/L		1.0		10	E200.7	10/09/07 17:48/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 03:05/jmh
Potassium	11	mg/L		1.0		1	E200.7	10/08/07 21:34/eli-c
Silica	3.8	mg/L		1.0		1	E200.7	10/08/07 21:34/eli-c
Sodium	242	mg/L	D	5.3		10	E200.7	10/08/07 19:52/eli-c
Sulfate	568	mg/L	D	40		50	E300.0	09/28/07 02:15/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1740	umhos/cm		5		1	A2510 B	10/02/07 18:26/jmh
pH	8.79	s.u.		0.01		1	A4500-H B	10/02/07 18:26/jmh
Solids, Suspended Sediment SSC @ 105 C	40	mg/L		5		1	D3977	10/05/07 08:38/jmh
Solids, Total Dissolved TDS @ 180 C	1200	mg/L		5		1	A2540 C	10/02/07 13:05/sn
Solids, Total Suspended TSS @ 105 C	31	mg/L		5		1	A2540 D	09/27/07 13:35/sn
METALS - DISSOLVED								
Uranium	0.0075	mg/L		0.0003		1	E200.8	10/24/07 15:47/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	10/09/07 02:55/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	10/09/07 02:55/eli-c
METALS - TOTAL								
Arsenic	0.002	mg/L		0.001		1	E200.8	10/08/07 23:01/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/08/07 23:01/eli-c
Boron	0.21	mg/L		0.10		2	E200.7	10/09/07 21:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/08/07 23:01/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/08/07 23:01/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/08/07 23:01/eli-c
Iron	0.61	mg/L		0.03		1	E200.7	10/08/07 21:34/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-002
Client Sample ID: DewBurd BVC01

Report Date: 12/19/07
Collection Date: 09/26/07 12:16
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Lead	ND	mg/L		0.001		1	E200.8	10/08/07 23:01/eli-c
Manganese	0.20	mg/L		0.01		1	E200.8	10/08/07 23:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/08/07 23:01/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/08/07 23:01/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/08/07 23:01/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	10/08/07 23:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/08/07 23:01/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/08/07 23:01/eli-c
Uranium	0.0076	mg/L		0.0003		1	E200.8	10/08/07 23:01/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/08/07 23:01/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	10/09/07 21:41/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 19:38/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	12/10/07 19:38/eli-c
Thorium 230	ND	pCi/L		0.20		1	E907.0	12/10/07 19:38/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/24/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/25/07 16:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/30/07 13:34/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/26/07 10:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	6.6	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Alpha precision (±)	1.2	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Gross Beta	9.4	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta precision (±)	2.9	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/15/07 12:20/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.61	%				1	A1030 E	12/10/07 19:55/eli-c
Anions	17.4	meq/L				1	A1030 E	12/10/07 19:55/eli-c
Cations	15.9	meq/L				1	A1030 E	12/10/07 19:55/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-002
Client Sample ID: DewBurd BVC01

Report Date: 12/19/07
Collection Date: 09/26/07 12:16
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Solids, Total Dissolved Calculated	1090	mg/L				1	A1030 E	12/10/07 19:55/eli-c
TDS Balance (0.80 - 1.20)	1.08	dec. %				1	A1030 E	12/10/07 19:55/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-003
Client Sample ID: DewBurd SUB08

Report Date: 12/19/07
Collection Date: 09/26/07 18:40
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	4	CFU/100ml	D	2		2	A9222 D	09/27/07 12:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	102	mg/L		5		1	A2320 B	10/04/07 16:38/sn
Carbonate as CO3	17	mg/L		5		1	A2320 B	10/04/07 16:38/sn
Bicarbonate as HCO3	90	mg/L		5		1	A2320 B	10/04/07 16:38/sn
Calcium	102	mg/L		1.0		10	E200.7	10/09/07 17:51/eli-c
Chloride	34	mg/L		1		5	E300.0	10/02/07 01:03/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/28/07 03:37/jmh
Magnesium	60	mg/L		1.0		10	E200.7	10/09/07 17:51/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 03:37/jmh
Potassium	14	mg/L		1.0		1	E200.7	10/08/07 21:37/eli-c
Silica	ND	mg/L		1.0		1	E200.7	10/08/07 21:37/eli-c
Sodium	618	mg/L	D	5.3		10	E200.7	10/08/07 19:55/eli-c
Sulfate	1880	mg/L	D	40		50	E300.0	09/28/07 03:21/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3630	umhos/cm		5		1	A2510 B	10/02/07 18:27/jmh
pH	9.37	s.u.		0.01		1	A4500-H B	10/02/07 18:28/jmh
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	10/05/07 08:38/jmh
Solids, Total Dissolved TDS @ 180 C	2800	mg/L		5		1	A2540 C	10/02/07 13:05/sn
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	09/27/07 13:35/sn
METALS - DISSOLVED								
Uranium	0.0017	mg/L		0.0003		1	E200.8	10/24/07 15:47/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	10/09/07 03:02/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	10/09/07 03:02/eli-c
METALS - TOTAL								
Arsenic	0.003	mg/L		0.001		1	E200.8	10/08/07 23:09/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/08/07 23:09/eli-c
Boron	0.48	mg/L		0.10		2	E200.7	10/09/07 21:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/08/07 23:09/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/08/07 23:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/08/07 23:09/eli-c
Iron	0.11	mg/L		0.03		1	E200.7	10/08/07 21:37/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-003
Client Sample ID: DewBurd SUB08

Report Date: 12/19/07
Collection Date: 09/26/07 18:40
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Lead	ND	mg/L		0.001		1	E200.8	10/08/07 23:09/eli-c
Manganese	0.01	mg/L		0.01		1	E200.8	10/08/07 23:09/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/08/07 23:09/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/08/07 23:09/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/08/07 23:09/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	10/08/07 23:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/08/07 23:09/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/08/07 23:09/eli-c
Uranium	0.0017	mg/L		0.0003		1	E200.8	10/08/07 23:09/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/08/07 23:09/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	10/09/07 21:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 19:38/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	12/10/07 19:38/eli-c
Thorium 230	ND	pCi/L		0.20		1	E907.0	12/10/07 19:38/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/24/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/25/07 16:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/30/07 13:34/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/26/07 10:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	ND	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta	14.0	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta precision (±)	7.1	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	10/15/07 12:20/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.475	%				1	A1030 E	12/10/07 19:56/eli-c
Anions	37.6	meq/L				1	A1030 E	12/10/07 19:56/eli-c
Cations	37.2	meq/L				1	A1030 E	12/10/07 19:56/eli-c
Solids, Total Dissolved Calculated	2550	mg/L				1	A1030 E	12/10/07 19:56/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-003
Client Sample ID: DewBurd SUB08

Report Date: 12/19/07
Collection Date: 09/26/07 18:40
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.11	dec. %				1	A1030 E	12/10/07 19:56/eli-c
- Ion balance achieved using Sulfate data from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-004
Client Sample ID: DewBurd CHR05

Report Date: 12/19/07
Collection Date: 09/26/07 15:30
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	8	CFU/100ml	D	2		2	A9222 D	09/27/07 12:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	324	mg/L		5		1	A2320 B	10/04/07 16:42/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 16:42/sn
Bicarbonate as HCO3	395	mg/L		5		1	A2320 B	10/04/07 16:42/sn
Calcium	422	mg/L		1.0		10	E200.7	10/09/07 17:54/eli-c
Chloride	221	mg/L	D	2		50	E300.0	09/28/07 03:54/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	09/28/07 04:10/jmh
Magnesium	330	mg/L		1.0		10	E200.7	10/09/07 17:54/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 04:10/jmh
Potassium	19	mg/L		1.0		1	E200.7	10/08/07 21:40/eli-c
Silica	11	mg/L		1.0		1	E200.7	10/08/07 21:40/eli-c
Sodium	897	mg/L	D	5.3		10	E200.7	10/08/07 19:58/eli-c
Sulfate	4160	mg/L	D	40		50	E300.0	09/28/07 03:54/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6590	umhos/cm		5		1	A2510 B	10/02/07 18:29/jmh
pH	8.09	s.u.		0.01		1	A4500-H B	10/02/07 18:29/jmh
Solids, Suspended Sediment SSC @ 105 C	18	mg/L		5		1	D3977	10/05/07 08:39/jmh
Solids, Total Dissolved TDS @ 180 C	6500	mg/L		5		1	A2540 C	10/02/07 13:05/sn
Solids, Total Suspended TSS @ 105 C	23	mg/L		5		1	A2540 D	09/27/07 13:36/sn
METALS - DISSOLVED								
Uranium	0.0346	mg/L		0.0003		1	E200.8	10/24/07 15:47/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	10/09/07 03:10/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	10/09/07 03:10/eli-c
METALS - TOTAL								
Arsenic	0.001	mg/L		0.001		1	E200.8	10/08/07 23:16/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/08/07 23:16/eli-c
Boron	0.39	mg/L		0.10		2	E200.7	10/09/07 21:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/08/07 23:16/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/08/07 23:16/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/08/07 23:16/eli-c
Iron	0.39	mg/L		0.03		1	E200.7	10/08/07 21:40/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-004
Client Sample ID: DewBurd CHR05

Report Date: 12/19/07
Collection Date: 09/26/07 15:30
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL								
Lead	ND	mg/L		0.001		1	E200.8	10/08/07 23:16/eli-c
Manganese	0.58	mg/L		0.01		1	E200.8	10/08/07 23:16/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/08/07 23:16/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/08/07 23:16/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/08/07 23:16/eli-c
Selenium	0.003	mg/L		0.001		1	E200.8	10/08/07 23:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/08/07 23:16/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/08/07 23:16/eli-c
Uranium	0.0348	mg/L		0.0003		1	E200.8	10/08/07 23:16/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/08/07 23:16/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	10/09/07 21:47/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 19:38/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	12/10/07 19:38/eli-c
Thorium 230	ND	pCi/L		0.20		1	E907.0	12/10/07 19:38/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/24/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/25/07 16:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/30/07 13:34/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/26/07 10:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	25.6	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Alpha precision (±)	5.8	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Gross Beta	9.8	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta precision (±)	13.8	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	10/15/07 12:20/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.328	%				1	A1030 E	12/10/07 19:57/eli-c
Anions	88.4	meq/L				1	A1030 E	12/10/07 19:57/eli-c
Cations	87.8	meq/L				1	A1030 E	12/10/07 19:57/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090368-004
Client Sample ID: DewBurd CHR05

Report Date: 12/19/07
Collection Date: 09/26/07 15:30
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Solids, Total Dissolved Calculated	5720	mg/L				1	A1030 E	12/10/07 19:57/eli-c
TDS Balance (0.80 - 1.20)	1.13	dec. %				1	A1030 E	12/10/07 19:57/eli-c
- Ion balance achieved using Sulfate data from E200.7.								

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071004A-ALK-SEL-W	
Sample ID: MBLK1_071004A	Method Blank				Run: PH_COND1-R_071004A			10/04/07 15:38	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_071004A	Laboratory Control Sample				Run: PH_COND1-R_071004A			10/04/07 15:44	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: R07090368-001BMS	Sample Matrix Spike				Run: PH_COND1-R_071004A			10/04/07 16:27	
Alkalinity, Total as CaCO3	350	mg/L	5.0	96	80	120			
Sample ID: R07090368-002BDUP	Sample Duplicate				Run: PH_COND1-R_071004A			10/04/07 16:36	
Alkalinity, Total as CaCO3	78.0	mg/L	5.0					10	
Carbonate as CO3	9.59	mg/L	5.0				67	10	R
Bicarbonate as HCO3	75.6	mg/L	5.0				12	10	R
Method: A2510 B								Batch: 071002_1_COND-PROBE-W	
Sample ID: LCS1-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:11	
Conductivity @ 25 C	149	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:12	
Conductivity @ 25 C	4920	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071002	Method Blank				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 071002A-SLDS-TDS-W	
Sample ID: MBLK1_071002A	Method Blank				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_071002A	Laboratory Control Sample				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: R07090389-004BMS	Sample Matrix Spike				Run: BAL-4-R_071002A			10/02/07 13:05	
Solids, Total Dissolved TDS @ 180 C	430	mg/L	5.0	106	80	120			
Sample ID: R07090389-004BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071002A			10/02/07 13:06	
Solids, Total Dissolved TDS @ 180 C	420	mg/L	5.0	99	80	120	3.3	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 070927A-SLDS-TSS-W	
Sample ID: MBLK1_070927A	Method Blank				Run: BAL-4-R_070927A			09/27/07 13:07	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_070927A	Laboratory Control Sample				Run: BAL-4-R_070927A			09/27/07 13:16	
Solids, Total Suspended TSS @ 105 C	220	mg/L	5.0	111	85	115			
Sample ID: R07090368-004BDUP	Sample Duplicate				Run: BAL-4-R_070927A			09/27/07 13:37	
Solids, Total Suspended TSS @ 105 C	23	mg/L	5.0				0.0	20	
Method: A4500-H B								Batch: 071002_1_PH-W	
Sample ID: LCS_pH-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:08	
pH	6.85	s.u.	0.010	100	98.55	101.45			
Method: A9222 D								Batch: 070927-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_070927A			09/27/07 12:00	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						
Sample ID: R07090372-001A	Sample Duplicate				Run: MEMFILT_070927A			09/27/07 17:20	
Bacteria, Fecal Coliform	ND	CFU/100ml	2.0				0.0	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_16355
Sample ID: MB-16355	Method Blank				Run: SUB-C90934				10/08/07 19:39
Boron	0.1	mg/L	0.01						
Iron	ND	mg/L	0.009						
Zinc	0.002	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	ND	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90934				10/08/07 19:42
Boron	0.61	mg/L	0.10	122	90	110			S
Iron	0.48	mg/L	0.030	95	90	110			
Zinc	0.48	mg/L	0.010	96	90	110			
Calcium	44	mg/L	0.50	88	90	110			S
Magnesium	44	mg/L	0.50	88	90	110			S
Potassium	49	mg/L	0.50	98	90	110			
Sodium	49	mg/L	0.53	99	90	110			
Sample ID: C07100221-004DMS	Sample Matrix Spike				Run: SUB-C90946				10/08/07 16:45
Boron	0.65	mg/L	0.10	104	70	130			
Calcium	77	mg/L	0.50	107	70	130			
Magnesium	62	mg/L	0.50	110	70	130			
Potassium	65	mg/L	0.50	103	70	130			
Sodium	57	mg/L	0.50	100	70	130			
Sample ID: C07100221-004DMSD	Sample Matrix Spike Duplicate				Run: SUB-C90946				10/08/07 16:48
Boron	0.66	mg/L	0.10	105	70	130	0.9	20	
Calcium	77	mg/L	0.50	107	70	130	0.4	20	
Magnesium	61	mg/L	0.50	109	70	130	0.8	20	
Potassium	65	mg/L	0.50	103	70	130	0.5	20	
Sodium	56	mg/L	0.50	99	70	130	0.7	20	
Sample ID: MB-16355	Method Blank				Run: SUB-C91017				10/09/07 15:49
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Zinc	ND	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	ND	mg/L	0.01						
Sodium	ND	mg/L	0.5						

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_16355
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C91017				10/09/07 16:06
Boron	0.51	mg/L	0.10	101	90	110			
Iron	0.51	mg/L	0.030	102	90	110			
Zinc	0.51	mg/L	0.010	101	90	110			
Calcium	47	mg/L	0.50	93	90	110			
Magnesium	47	mg/L	0.50	93	90	110			
Potassium	49	mg/L	0.50	98	90	110			
Silica	0.51	mg/L	0.10	102	90	110			
Sodium	49	mg/L	0.53	98	90	110			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16355
Sample ID: MB-16355	Method Blank				Run: SUB-C90947				10/08/07 21:39
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	0.0002						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	0.0002						
Uranium	5E-05	mg/L	4E-05						
Vanadium	ND	mg/L	0.0001						
Sample ID: LCS1-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:46
Arsenic	0.019	mg/L	0.0010	97	80	120			
Barium	0.019	mg/L	0.10	95	80	120			
Cadmium	0.019	mg/L	0.010	96	80	120			
Chromium	0.020	mg/L	0.050	102	80	120			
Copper	0.019	mg/L	0.010	97	80	120			
Lead	0.019	mg/L	0.050	93	80	120			
Manganese	0.020	mg/L	0.010	98	80	120			
Molybdenum	0.019	mg/L	0.10	96	80	120			
Nickel	0.019	mg/L	0.050	94	80	120			
Selenium	0.098	mg/L	0.0010	98	80	120			
Silver	0.0085	mg/L	0.010	43	80	120			S
Uranium	0.019	mg/L	0.00030	93	80	120			
Vanadium	0.020	mg/L	0.10	98	80	120			
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:53
Arsenic	0.50	mg/L	0.0013	100	85	115			
Barium	0.50	mg/L	0.10	99	85	115			
Cadmium	0.50	mg/L	0.010	99	85	115			
Chromium	0.50	mg/L	0.050	100	85	115			
Copper	0.49	mg/L	0.010	97	85	115			
Lead	0.49	mg/L	0.050	98	85	115			
Manganese	0.50	mg/L	0.010	101	85	115			
Molybdenum	0.50	mg/L	0.10	101	85	115			
Nickel	0.50	mg/L	0.050	100	85	115			
Selenium	0.52	mg/L	0.0022	103	85	115			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16355
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:53
Silver	0.094	mg/L	0.010	47	85	115			S
Uranium	0.50	mg/L	0.00038	100	85	115			
Vanadium	0.50	mg/L	0.10	101	85	115			
Sample ID: C07100221-004D MS4	Post Digestion Spike				Run: SUB-C90947				10/08/07 23:54
Arsenic	0.074	mg/L	0.0010	98	70	130			
Barium	0.100	mg/L	0.10	102	70	130			
Cadmium	0.069	mg/L	0.010	98	70	130			
Chromium	0.070	mg/L	0.050	99	70	130			
Copper	0.071	mg/L	0.010	100	70	130			
Lead	0.072	mg/L	0.050	101	70	130			
Manganese	2.5	mg/L	0.010		70	130			A
Mercury	0.0059	mg/L	0.0010	85	70	130			
Molybdenum	0.071	mg/L	0.10	101	70	130			
Nickel	0.075	mg/L	0.050	100	70	130			
Selenium	0.14	mg/L	0.0010	90	70	130			
Silver	0.028	mg/L	0.010	70	70	130			
Thorium 232	0.072	mg/L	0.0010	103	70	130			
Uranium	0.073	mg/L	0.00030	104	70	130			
Vanadium	0.072	mg/L	0.10	100	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07100221-004D MSD4	Post Digestion Spike Duplicate				Run: SUB-C90947				10/09/07 00:24
Arsenic	0.074	mg/L	0.0010	98	70	130	0.2	20	
Barium	0.10	mg/L	0.10	103	70	130	1.1	20	
Cadmium	0.069	mg/L	0.010	98	70	130	0.6	20	
Chromium	0.069	mg/L	0.050	98	70	130	1.1	20	
Copper	0.072	mg/L	0.010	101	70	130	1.2	20	
Lead	0.072	mg/L	0.050	100	70	130	0.5	20	
Manganese	2.5	mg/L	0.010		70	130	0.1	20	A
Molybdenum	0.071	mg/L	0.10	101	70	130	0.0	20	
Nickel	0.076	mg/L	0.050	102	70	130	1.3	20	
Selenium	0.13	mg/L	0.0010	89	70	130	1.8	20	
Silver	0.025	mg/L	0.010	63	70	130	12	20	S
Thorium 232	0.071	mg/L	0.0010	101	70	130	1.6	20	
Uranium	0.073	mg/L	0.00030	104	70	130	0.2	20	
Vanadium	0.072	mg/L	0.10	100	70	130	0.0	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16362
Sample ID: MB-16362	Method Blank				Run: SUB-C90947				10/09/07 00:39
Uranium	ND	mg/L	4E-05						
Sample ID: LCS1-16362	Laboratory Control Sample				Run: SUB-C90947				10/09/07 00:46
Uranium	0.0219	mg/L	0.00030	104	80	120			
Sample ID: LCS-16362	Laboratory Control Sample				Run: SUB-C90947				10/09/07 00:54
Uranium	1.05	mg/L	0.00037	100	85	115			
Sample ID: C07100221-004FMS4	Post Digestion Spike				Run: SUB-C90947				10/09/07 04:10
Thorium 232	0.535	mg/L	0.0010	107	70	130			
Uranium	0.541	mg/L	0.00035	108	70	130			
Sample ID: C07100221-004FMSD4	Post Digestion Spike Duplicate				Run: SUB-C90947				10/09/07 04:18
Thorium 232	0.536	mg/L	0.0010	107	70	130	0.3	20	
Uranium	0.541	mg/L	0.00035	108	70	130	0.1	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31614
Sample ID: LFB0709273313-3	Laboratory Fortified Blank				Run: DIONEX_070927A				09/27/07 18:52
Chloride	4.66	mg/L	0.50	93	90	110			
Fluoride	1.90	mg/L	0.10	95	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0709273313-4	Laboratory Fortified Blank				Run: DIONEX_070927A				09/27/07 19:08
Chloride	4.91	mg/L	0.50	98	90	110			
Fluoride	2.01	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.36	mg/L	0.10	94	90	110			
Sulfate	14.0	mg/L	1.0	93	90	110			
Sample ID: R07090368-002BMS	Sample Matrix Spike				Run: DIONEX_070927A				09/28/07 02:32
Chloride	371	mg/L	2.0	92	80	120			
Fluoride	101	mg/L	3.2	101	80	120			
Nitrogen, Nitrate as N	120	mg/L	0.84	96	80	120			
Sulfate	1210	mg/L	36	86	80	120			
Sample ID: R07090368-002BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070927A				09/28/07 02:48
Chloride	367	mg/L	2.0	90	80	120	1.1	10	
Fluoride	97.7	mg/L	3.2	98	80	120	3.0	10	
Nitrogen, Nitrate as N	115	mg/L	0.84	92	80	120	4.0	10	
Sulfate	1260	mg/L	36	93	80	120	4.2	10	
Sample ID: R07090345-002AMS	Sample Matrix Spike				Run: DIONEX_070927A				09/28/07 05:32
Chloride	51.7	mg/L	0.50	77	80	120			S
Fluoride	9.95	mg/L	0.32	92	80	120			
Nitrogen, Nitrate as N	15.6	mg/L	0.10	91	80	120			
Sulfate	143	mg/L	3.6	88	80	120			
Sample ID: R07090345-002AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070927A				09/28/07 05:49
Chloride	52.0	mg/L	0.50	78	80	120	0.6	10	S
Fluoride	9.64	mg/L	0.32	89	80	120	3.2	10	
Nitrogen, Nitrate as N	15.3	mg/L	0.10	89	80	120	2.2	10	
Sulfate	143	mg/L	3.6	88	80	120	0.1	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31638
Sample ID: LFB0710013150-3	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:24
Chloride	4.94	mg/L	0.50	99	90	110			
Sample ID: LFB0710013150-4	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:40
Chloride	4.65	mg/L	0.50	93	90	110			
Sample ID: R07090352-006AMS	Sample Matrix Spike				Run: DIONEX_071001A				10/02/07 00:30
Chloride	58.5	mg/L	0.50	92	80	120			
Sample ID: R07090352-006AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071001A				10/02/07 00:46
Chloride	56.7	mg/L	0.50	88	80	120	3.2	10	
Method: E900.0									Batch: C_GrAB-0330
Sample ID: MB-GrAB-0330	Method Blank				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0330	Laboratory Control Sample				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	300	pCi/L	1.0	104	70	130			
Sample ID: Cs137-GrAB-0330	Laboratory Control Sample				Run: SUB-C91156				10/10/07 22:43
Gross Beta	90	pCi/L	2.0	98	70	130			
Sample ID: C07090855-001AMS	Sample Matrix Spike				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	400	pCi/L	1.0	72	70	130			
Sample ID: C07090855-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	400	pCi/L	1.0	70	70	130	3.2	13.9	
Sample ID: C07090855-001AMS	Sample Matrix Spike				Run: SUB-C91156				10/10/07 22:43
Gross Beta	200	pCi/L	2.0	88	70	130			
Sample ID: C07090855-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91156				10/10/07 22:43
Gross Beta	200	pCi/L	2.0	95	70	130	8.3	15.6	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0								Batch: C_RA226-2351	
Sample ID: R07090368-004E	Sample Matrix Spike				Run: SUB-C91326			10/15/07 12:20	
Radium 226	20	pCi/L	0.20	93	70	130			
Sample ID: R07090368-004E	Sample Matrix Spike Duplicate				Run: SUB-C91326			10/15/07 12:20	
Radium 226	19	pCi/L	0.20	93	70	130	1.4	28.6	
Sample ID: MB-RA226-2351	Method Blank				Run: SUB-C91326			10/15/07 13:35	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2351	Laboratory Control Sample				Run: SUB-C91326			10/15/07 13:35	
Radium 226	13	pCi/L	0.20	106	70	130			
Method: E907.0								Batch: C_16513	
Sample ID: R07090368-002G	Sample Duplicate				Run: SUB-C92213			10/26/07 10:00	
Thorium 230	ND	pCi/L	0.20		70	130	0.0	30	
Sample ID: R07090368-004G	Sample Matrix Spike				Run: SUB-C92213			10/26/07 10:00	
Thorium 230	51.0	pCi/L	0.20	88	70	130			
Method: E907.0								Batch: C_R92301	
Sample ID: LCS-R92301	Laboratory Control Sample				Run: SUB-C92301			10/29/07 11:00	
Thorium 230	5.20	pCi/L	0.20	88	70	130			
Sample ID: C07100216-001EDUP	Sample Duplicate				Run: SUB-C92301			10/29/07 11:00	
Thorium 230	ND	pCi/L	0.20				0.0	30	
Sample ID: C07100216-003EMS	Sample Matrix Spike				Run: SUB-C92301			10/29/07 11:00	
Thorium 230	52.4	pCi/L	0.20	93	70	130			
Sample ID: MB-R92301	Method Blank				Run: SUB-C92301			10/29/07 11:00	
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_16513
Sample ID: R07090368-002G	Sample Duplicate				Run: SUB-C92379				10/24/07 07:00
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: R07090368-004G	Sample Matrix Spike				Run: SUB-C92379				10/24/07 07:00
Lead 210	430	pCi/L	1.0	106	70	130			
Sample ID: MB-R92379	Method Blank				Run: SUB-C92379				10/24/07 07:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R92379	Laboratory Control Sample				Run: SUB-C92379				10/24/07 07:00
Lead 210	80	pCi/L	1.0	100	70	130			
Method: E909.0M									Batch: C_R92396
Sample ID: R07090368-002E	Sample Duplicate				Run: SUB-C92396				10/25/07 11:25
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: C07100214-001EMS	Sample Matrix Spike				Run: SUB-C92396				10/25/07 11:25
Lead 210	480	pCi/L	1.0	118	70	130			
Sample ID: MB-R92396	Method Blank				Run: SUB-C92396				10/25/07 11:25
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R92396	Laboratory Control Sample				Run: SUB-C92396				10/25/07 11:25
Lead 210	94	pCi/L	1.0	116	70	130			
Method: RMO-3008									Batch: C_R91990
Sample ID: C07100085-005FMS	Sample Matrix Spike				Run: SUB-C91990				10/25/07 16:00
Polonium 210	43	pCi/L	1.0	76	70	130			
Sample ID: C07100085-005FMSD	Sample Matrix Spike Duplicate				Run: SUB-C91990				10/25/07 16:00
Polonium 210	45	pCi/L	1.0	80	70	130	5.6	30	
Sample ID: MB-R91990	Method Blank				Run: SUB-C91990				10/25/07 16:00
Polonium 210	ND	pCi/L	1						
Sample ID: LCS-R91990	Laboratory Control Sample				Run: SUB-C91990				10/25/07 16:00
Polonium 210	20	pCi/L	1.0	90	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090368

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R92111
Sample ID: MB-R92111	Method Blank				Run: SUB-C92111				10/29/07 13:00
Polonium 210	ND	pCi/L	1						
Sample ID: LCS-R92111	Laboratory Control Sample				Run: SUB-C92111				10/29/07 13:00
Polonium 210	17	pCi/L	1.0	78	70	130			
Sample ID: C07100214-005EMS	Sample Matrix Spike				Run: SUB-C92111				10/29/07 13:00
Polonium 210	170	pCi/L	1.0	77	70	130			
Sample ID: C07100214-005EMSD	Sample Matrix Spike Duplicate				Run: SUB-C92111				10/29/07 13:00
Polonium 210	170	pCi/L	1.0	77	70	130	0.3	30	

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

Chain of Custody and Analytical Request Record

Page 1 of 1

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

ENERGY LABORATORIES

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Powertech Dewey-Burdock

Report Mail Address:

Contact Name, Phone, Fax, E-mail: Cory Foreman 394-6505

Sampler Name if other than Contact: Eric Kiantz 394-6436

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #:

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED: As Per Quote

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

Receipt Temp on 4.6 °C ice

Cooler ID(s)

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V B O / Air Water Soils/Solids Vegetation Bioassay Other / MATRIX	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	~~DewBurd GW18 (Petersen)~~	9/26/07	10:39					Groundwater - Bottle Set 18	
2	DewBurd CHR01	9/26/07	12:01					Surface water Bottle Set CHR01	07090368-001
3	DewBurd BVC01	9/26/07	12:16					Surface Water Bottleset BVC01	002
4	~~DewBurd GW02 (Petersen)~~	9/26/07	~~14:33~~ 12:46					Groundwater Bottle set GW02	
5	~~DewBurd GW08 (Engelhorn)~~	9/26/07	14:33					Groundwater Bottle Set GW08	
6	~~DewBurd GW631~~	9/26/07	16:40					Groundwater Bottleset GW631	
7	~~DewBurd GW635~~	9/26/07	18:08					Groundwater Bottleset GW635	
8	DewBurd Sub08	9/26/07	18:40					Surface Water Bottle Set Sub08	003
9	DewBurd CHR05	9-26-07	15:30					Surface Water	004
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by:	Date/Time:	Shipped by:	Received by:	Date/Time:
[signature]	9/27/07 9:54		[signature]	9-27-07 9:54

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

December 26, 2007

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R07090389 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 9/28/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07090389-001	DewBurd SUB07	09/27/07 18:45	09/28/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Selenium, Total Selenium, Total Selenium-VI, Total Anions by Ion Chromatography pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07090389-002	DewBurd SUB02	09/27/07 18:45	09/28/07	Aqueous	Same As Above
R07090389-003	DewBurd SUB06	09/27/07 18:10	09/28/07	Aqueous	Same As Above
R07090389-004	DewBurd SUB11	09/27/07 17:15	09/28/07	Aqueous	Same As Above

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

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

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

Linda Larson

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-001
Client Sample ID: DewBurd SUB07

Report Date: 12/26/07
Collection Date: 09/27/07 18:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	09/28/07 17:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	10/04/07 17:21/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 17:21/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	10/04/07 17:21/sn
Calcium	80	mg/L		1		1	E200.7	10/09/07 20:00/eli-c
Chloride	10	mg/L		1		1	E300.0	09/29/07 01:34/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	09/29/07 01:34/jmh
Magnesium	49	mg/L		1		1	E200.7	10/09/07 20:00/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 01:34/jmh
Potassium	38	mg/L		1		1	E200.7	10/09/07 20:00/eli-c
Silica	ND	mg/L		1		1	E200.7	10/09/07 20:00/eli-c
Sodium	10	mg/L		0.5		1	E200.7	10/09/07 20:00/eli-c
Sulfate	484	mg/L	D	7		10	E300.0	10/02/07 05:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	972	umhos/cm		5		1	A2510 B	10/02/07 18:48/jmh
pH	3.81	s.u.		0.01		1	A4500-H B	10/02/07 18:49/jmh
Solids, Suspended Sediment SSC @ 105 C	17	mg/L		5		1	D3977	10/05/07 08:39/jmh
Solids, Total Dissolved TDS @ 180 C	680	mg/L		5		1	A2540 C	10/02/07 13:05/sn
Solids, Total Suspended TSS @ 105 C	9	mg/L		5		1	A2540 D	10/04/07 08:30/jmh
METALS - DISSOLVED								
Aluminum	1.1	mg/L		0.1		1	E200.8	10/04/07 18:54/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/04/07 18:54/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/04/07 18:54/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	10/09/07 20:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/04/07 18:54/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/04/07 18:54/eli-c
Copper	0.01	mg/L		0.01		1	E200.8	10/04/07 18:54/eli-c
Iron	0.44	mg/L		0.03		1	E200.7	10/09/07 20:00/eli-c
Lead	0.003	mg/L		0.001		1	E200.8	10/04/07 18:54/eli-c
Manganese	8.21	mg/L		0.01		1	E200.8	10/04/07 18:54/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/04/07 18:54/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/04/07 18:54/eli-c
Nickel	0.17	mg/L		0.01		1	E200.8	10/04/07 18:54/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/04/07 18:54/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-001
Client Sample ID: DewBurd SUB07

Report Date: 12/26/07
Collection Date: 09/27/07 18:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	10/04/07 18:54/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/04/07 18:54/eli-c
Uranium	0.0011	mg/L		0.0003		1	E200.8	10/04/07 18:54/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/04/07 18:54/eli-c
Zinc	0.17	mg/L		0.01		1	E200.8	10/04/07 18:54/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	10/09/07 03:17/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	10/09/07 03:17/eli-c
METALS - TOTAL								
Aluminum	1.7	mg/L		0.1		1	E200.8	10/08/07 23:24/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/08/07 23:24/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/08/07 23:24/eli-c
Boron	0.3	mg/L		0.1		1	E200.7	10/08/07 16:20/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/08/07 23:24/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/08/07 23:24/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	09/28/07 09:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/10/07 16:40/eli-c
Copper	0.02	mg/L		0.01		1	E200.8	10/08/07 23:24/eli-c
Iron	1.60	mg/L		0.03		1	E200.7	10/08/07 16:20/eli-c
Lead	0.003	mg/L		0.001		1	E200.8	10/08/07 23:24/eli-c
Manganese	9.04	mg/L		0.01		1	E200.7	10/08/07 16:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/08/07 23:24/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/08/07 23:24/eli-c
Nickel	0.17	mg/L		0.05		1	E200.8	10/08/07 23:24/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/08/07 23:24/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/08/07 23:24/eli-c
Uranium	0.0013	mg/L		0.0003		1	E200.8	10/08/07 23:24/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	10/08/07 16:20/eli-c
Zinc	0.20	mg/L		0.01		1	E200.7	10/08/07 16:20/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	10/08/07 16:07/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/10/07 10:25/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/11/07 11:00/eli-c
RADIONUCLIDES - DISSOLVED								

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: R07090389-001
Client Sample ID: DewBurd SUB07

Report Date: 12/26/07
Collection Date: 09/27/07 18:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	0.8	pCi/L		0.2		1	E903.0	10/30/07 13:35/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	10/30/07 13:35/eli-c
Thorium 230	0.8	pCi/L		0.2		1	E907.0	10/29/07 15:00/eli-c
Thorium 230 precision (±)	0.7	pCi/L				1	E907.0	10/29/07 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.3		1	E909.0M	10/24/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.3		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	ND	pCi/L	D	0.3		1	E903.0	10/30/07 13:34/eli-c
Thorium 230	ND	pCi/L	D	0.3		1	E907.0	10/26/07 10:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	5.3	pCi/L		1.0		1	E900.0	10/14/07 01:13/eli-c
Gross Alpha precision (±)	0.7	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Beta	33.1	pCi/L		2.0		1	E900.0	10/14/07 01:13/eli-c
Gross Beta precision (±)	2.0	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	10/04/07 15:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.11	%				1	A1030 E	12/10/07 18:58/eli-c
Anions	10.4	meq/L				1	A1030 E	12/10/07 18:58/eli-c
Cations	10.8	meq/L				1	A1030 E	12/10/07 18:58/eli-c
Solids, Total Dissolved Calculated	682	mg/L				1	A1030 E	12/10/07 18:58/eli-c
TDS Balance (0.80 - 1.20)	0.990	dec. %				1	A1030 E	12/10/07 18:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-002
Client Sample ID: DewBurd SUB02

Report Date: 12/26/07
Collection Date: 09/27/07 18:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	2	CFU/100ml	D	2		2	A9222 D	09/28/07 17:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	92	mg/L		5		1	A2320 B	10/04/07 17:23/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 17:23/sn
Bicarbonate as HCO3	112	mg/L		5		1	A2320 B	10/04/07 17:23/sn
Calcium	622	mg/L		1		10	E200.7	10/09/07 20:20/eli-c
Chloride	23	mg/L		1		5	E300.0	10/02/07 05:58/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/29/07 01:50/jmh
Magnesium	212	mg/L		1		10	E200.7	10/09/07 20:20/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 01:50/jmh
Potassium	21	mg/L		1		1	E200.7	10/09/07 20:17/eli-c
Silica	2	mg/L		1		1	E200.7	10/09/07 20:17/eli-c
Sodium	163	mg/L		1		1	E200.7	10/09/07 20:17/eli-c
Sulfate	2840	mg/L	D	40		50	E300.0	10/02/07 05:42/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3700	umhos/cm		5		1	A2510 B	10/02/07 18:50/jmh
pH	7.99	s.u.		0.01		1	A4500-H B	10/02/07 18:51/jmh
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	10/05/07 08:40/jmh
Solids, Total Dissolved TDS @ 180 C	3900	mg/L		5		1	A2540 C	10/02/07 13:05/sn
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	10/04/07 08:30/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/04/07 19:01/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/04/07 19:01/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/04/07 19:01/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	10/09/07 20:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/04/07 19:01/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/04/07 19:01/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/04/07 19:01/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/09/07 20:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/04/07 19:01/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	10/04/07 19:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/04/07 19:01/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/04/07 19:01/eli-c
Nickel	ND	mg/L		0.01		1	E200.8	10/04/07 19:01/eli-c
Selenium	0.006	mg/L		0.001		1	E200.8	10/04/07 19:01/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-002
Client Sample ID: DewBurd SUB02

Report Date: 12/26/07
Collection Date: 09/27/07 18:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	10/04/07 19:01/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/04/07 19:01/eli-c
Uranium	0.164	mg/L		0.0003		1	E200.8	10/04/07 19:01/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/04/07 19:01/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/04/07 19:01/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	10/09/07 03:25/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	10/09/07 03:25/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	10/08/07 23:31/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/08/07 23:31/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/08/07 23:31/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	10/08/07 16:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/08/07 23:31/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/08/07 23:31/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.05		10	A3500-Cr B	09/28/07 09:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/10/07 16:40/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/08/07 23:31/eli-c
Iron	0.14	mg/L		0.03		1	E200.7	10/08/07 16:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/08/07 23:31/eli-c
Manganese	0.02	mg/L		0.01		1	E200.8	10/08/07 23:31/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/08/07 23:31/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/08/07 23:31/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/08/07 23:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/08/07 23:31/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/08/07 23:31/eli-c
Uranium	0.168	mg/L		0.0003		1	E200.8	10/08/07 23:31/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/08/07 23:31/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	10/08/07 16:23/eli-c
- D=Detection limit raised due to matrix interference.								
METALS - TOTAL - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	10/08/07 15:48/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/10/07 10:27/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	10/11/07 11:00/eli-c
RADIONUCLIDES - DISSOLVED								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-002
Client Sample ID: DewBurd SUB02

Report Date: 12/26/07
Collection Date: 09/27/07 18:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	0.6	pCi/L		0.2		1	E903.0	10/30/07 13:35/eli-c
Radium 226 precision (±)	0.6	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 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/24/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/30/07 13:34/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/26/07 10:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	82.8	pCi/L		1.0		1	E900.0	10/14/07 01:13/eli-c
Gross Alpha precision (±)	4.5	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Beta	55.9	pCi/L		2.0		1	E900.0	10/14/07 01:13/eli-c
Gross Beta precision (±)	7.6	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	10/04/07 15:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.01	%				1	A1030 E	12/10/07 18:58/eli-c
Anions	61.6	meq/L				1	A1030 E	12/10/07 18:58/eli-c
Cations	56.8	meq/L				1	A1030 E	12/10/07 18:58/eli-c
Solids, Total Dissolved Calculated	3950	mg/L				1	A1030 E	12/10/07 18:58/eli-c
TDS Balance (0.80 - 1.20)	0.990	dec. %				1	A1030 E	12/10/07 18:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-003
Client Sample ID: DewBurd SUB06

Report Date: 12/26/07
Collection Date: 09/27/07 18:10
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	09/28/07 17:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	82	mg/L		5		1	A2320 B	10/04/07 17:31/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 17:31/sn
Bicarbonate as HCO3	100	mg/L		5		1	A2320 B	10/04/07 17:31/sn
Calcium	512	mg/L		1		10	E200.7	10/09/07 20:27/eli-c
Chloride	10	mg/L		1		1	E300.0	09/29/07 02:07/jmh
Fluoride	3.7	mg/L		0.1		1	E300.0	09/29/07 02:07/jmh
Magnesium	771	mg/L		1		10	E200.7	10/09/07 20:27/eli-c
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	09/29/07 02:07/jmh
Potassium	27	mg/L		1		1	E200.7	10/09/07 20:23/eli-c
Silica	30	mg/L		1		1	E200.7	10/09/07 20:23/eli-c
Sodium	88	mg/L		1		1	E200.7	10/09/07 20:23/eli-c
Sulfate	5030	mg/L	D	70		100	E300.0	10/02/07 06:47/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6210	umhos/cm		5		1	A2510 B	10/02/07 18:52/jmh
pH	3.22	s.u.		0.01		1	A4500-H B	10/02/07 18:52/jmh
Solids, Suspended Sediment SSC @ 105 C	10	mg/L		5		1	D3977	10/05/07 08:40/jmh
Solids, Total Dissolved TDS @ 180 C	8100	mg/L		5		1	A2540 C	10/02/07 13:05/sn
Solids, Total Suspended TSS @ 105 C	5	mg/L		5		1	A2540 D	10/04/07 08:31/jmh
METALS - DISSOLVED								
Aluminum	134	mg/L		0.1		50	E200.8	10/09/07 17:45/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	10/04/07 19:09/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/04/07 19:09/eli-c
Boron	0.6	mg/L		0.1		1	E200.7	10/09/07 20:23/eli-c
Cadmium	0.026	mg/L		0.005		1	E200.8	10/04/07 19:09/eli-c
Chromium	ND	mg/L		0.01		50	E200.8	10/09/07 17:45/eli-c
Copper	0.11	mg/L		0.01		1	E200.8	10/04/07 19:09/eli-c
Iron	4.28	mg/L		0.03		1	E200.7	10/09/07 20:23/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	10/04/07 19:09/eli-c
Manganese	223	mg/L		0.01		50	E200.8	10/09/07 17:45/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/04/07 19:09/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/04/07 19:09/eli-c
Nickel	5.07	mg/L		0.01		1	E200.8	10/04/07 19:09/eli-c
Selenium	0.035	mg/L		0.001		1	E200.8	10/04/07 19:09/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-003
Client Sample ID: DewBurd SUB06

Report Date: 12/26/07
Collection Date: 09/27/07 18:10
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	10/04/07 19:09/eli-c
Thorium 232	0.011	mg/L		0.005		1	E200.8	10/04/07 19:09/eli-c
Uranium	5.29	mg/L		0.0003		1	E200.8	10/04/07 19:09/eli-c
Vanadium	ND	mg/L		0.1		50	E200.8	10/09/07 17:45/eli-c
Zinc	4.31	mg/L		0.01		1	E200.8	10/04/07 19:09/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		25	E200.8	10/09/07 03:32/eli-c
Uranium	0.0013	mg/L		0.0003		25	E200.8	10/09/07 03:32/eli-c
METALS - TOTAL								
Aluminum	160	mg/L		0.1		25	E200.8	10/08/07 23:39/eli-c
Arsenic	ND	mg/L	D	0.003		25	E200.8	10/08/07 23:39/eli-c
Barium	ND	mg/L		0.1		25	E200.8	10/08/07 23:39/eli-c
Boron	0.7	mg/L		0.1		1	E200.7	10/08/07 16:26/eli-c
Cadmium	0.03	mg/L	D	0.01		25	E200.8	10/08/07 23:39/eli-c
Chromium	ND	mg/L		0.05		25	E200.8	10/08/07 23:39/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.05		10	A3500-Cr B	09/28/07 09:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/10/07 16:40/eli-c
Copper	0.14	mg/L		0.01		25	E200.8	10/08/07 23:39/eli-c
Iron	4.66	mg/L		0.03		1	E200.7	10/08/07 16:26/eli-c
Lead	ND	mg/L	D	0.003		25	E200.8	10/08/07 23:39/eli-c
Manganese	215	mg/L		0.01		50	E200.8	10/11/07 08:22/eli-c
Mercury	ND	mg/L		0.001		25	E200.8	10/08/07 23:39/eli-c
Molybdenum	ND	mg/L		0.1		25	E200.8	10/08/07 23:39/eli-c
Nickel	6.53	mg/L		0.05		25	E200.8	10/08/07 23:39/eli-c
Silver	ND	mg/L		0.005		25	E200.8	10/08/07 23:39/eli-c
Thorium 232	0.010	mg/L		0.005		25	E200.8	10/08/07 23:39/eli-c
Uranium	7.38	mg/L	D	0.001		25	E200.8	10/08/07 23:39/eli-c
Vanadium	ND	mg/L		0.1		25	E200.8	10/08/07 23:39/eli-c
Zinc	5.55	mg/L		0.01		1	E200.7	10/08/07 16:26/eli-c
- D=Detection limit raised due to matrix interference.								
METALS - TOTAL - SPECIATED								
Selenium	0.013	mg/L		0.001		1	A3114 B	10/08/07 16:09/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/10/07 10:29/eli-c
Selenium-VI	0.013	mg/L		0.001		1	A3114 B	10/11/07 11:00/eli-c
RADIONUCLIDES - DISSOLVED								

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-003
Client Sample ID: DewBurd SUB06

Report Date: 12/26/07
Collection Date: 09/27/07 18:10
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	4.3	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	23.8	pCi/L		0.2		1	E907.0	10/29/07 15:00/eli-c
Thorium 230 precision (±)	4.6	pCi/L				1	E907.0	10/29/07 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/24/07 07:00/eli-c
Polonium 210	4.5	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Polonium 210 precision (±)	3.9	pCi/L				1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/30/07 13:34/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/26/07 10:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	3070	pCi/L		1.0		1	E900.0	10/14/07 01:13/eli-c
Gross Alpha precision (±)	33.5	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Beta	2500	pCi/L		2.0		1	E900.0	10/14/07 01:13/eli-c
Gross Beta precision (±)	36.5	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	10/04/07 15:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.82	%				1	A1030 E	12/10/07 19:02/eli-c
Anions	119	meq/L				1	A1030 E	12/10/07 19:02/eli-c
Cations	126	meq/L				1	A1030 E	12/10/07 19:02/eli-c
Solids, Total Dissolved Calculated	7090	mg/L				1	A1030 E	12/10/07 19:02/eli-c
TDS Balance (0.80 - 1.20)	1.14	dec. %				1	A1030 E	12/10/07 19:02/eli-c

- Ion balance achieved using Sulfate data from E200.7.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-004
Client Sample ID: DewBurd SUB11

Report Date: 12/26/07
Collection Date: 09/27/07 17:15
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	14	CFU/100ml	D	2		2	A9222 D	09/28/07 17:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	122	mg/L		5		1	A2320 B	10/04/07 17:34/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 17:34/sn
Bicarbonate as HCO3	149	mg/L		5		1	A2320 B	10/04/07 17:34/sn
Calcium	22	mg/L		1		1	E200.7	10/09/07 20:30/eli-c
Chloride	4	mg/L		1		1	E300.0	09/29/07 02:23/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/29/07 02:23/jmh
Magnesium	6	mg/L		1		1	E200.7	10/09/07 20:30/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 02:23/jmh
Potassium	13	mg/L		1		1	E200.7	10/09/07 20:30/eli-c
Silica	8	mg/L		1		1	E200.7	10/09/07 20:30/eli-c
Sodium	6	mg/L		1		1	E200.7	10/09/07 20:30/eli-c
Sulfate	15	mg/L		1		1	E300.0	09/29/07 02:23/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	202	umhos/cm		5		1	A2510 B	10/02/07 18:55/jmh
pH	7.04	s.u.		0.01		1	A4500-H B	10/02/07 18:55/jmh
Solids, Suspended Sediment SSC @ 105 C	72	mg/L		5		1	D3977	10/05/07 08:41/jmh
Solids, Total Dissolved TDS @ 180 C	220	mg/L		5		1	A2540 C	10/02/07 13:05/sn
Solids, Total Suspended TSS @ 105 C	79	mg/L		5		1	A2540 D	10/04/07 08:31/jmh
METALS - DISSOLVED								
Aluminum	0.7	mg/L		0.1		10	E200.8	10/04/07 19:17/eli-c
Arsenic	0.002	mg/L	D	0.002		10	E200.8	10/04/07 19:17/eli-c
Barium	ND	mg/L		0.1		10	E200.8	10/04/07 19:17/eli-c
Boron	ND	mg/L		0.1		1	E200.7	10/09/07 20:30/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	10/04/07 19:17/eli-c
Chromium	ND	mg/L		0.01		10	E200.8	10/04/07 19:17/eli-c
Copper	ND	mg/L		0.01		10	E200.8	10/04/07 19:17/eli-c
Iron	1.93	mg/L		0.03		1	E200.7	10/09/07 20:30/eli-c
Lead	ND	mg/L		0.001		10	E200.8	10/04/07 19:17/eli-c
Manganese	1.80	mg/L		0.01		10	E200.8	10/04/07 19:17/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	10/04/07 19:17/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	10/04/07 19:17/eli-c
Nickel	0.03	mg/L		0.01		10	E200.8	10/04/07 19:17/eli-c
Selenium	ND	mg/L	D	0.004		10	E200.8	10/04/07 19:17/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-004
Client Sample ID: DewBurd SUB11

Report Date: 12/26/07
Collection Date: 09/27/07 17:15
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		10	E200.8	10/04/07 19:17/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	10/04/07 19:17/eli-c
Uranium	0.0336	mg/L	D	0.0004		10	E200.8	10/04/07 19:17/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	10/04/07 19:17/eli-c
Zinc	0.04	mg/L	D	0.02		10	E200.8	10/04/07 19:17/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	10/09/07 03:40/eli-c
Uranium	0.0004	mg/L		0.0003		10	E200.8	10/09/07 03:40/eli-c
METALS - TOTAL								
Aluminum	1.2	mg/L		0.10		10	E200.8	10/11/07 08:29/eli-c
Arsenic	0.006	mg/L		0.001		1	E200.8	10/08/07 23:46/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/08/07 23:46/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	10/08/07 16:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/08/07 23:46/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/08/07 23:46/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.05		10	A3500-Cr B	09/28/07 09:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/10/07 16:40/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/08/07 23:46/eli-c
Iron	ND	mg/L		0.03		1	E200.8	10/08/07 23:46/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	10/08/07 23:46/eli-c
Manganese	2.67	mg/L		0.01		1	E200.7	10/08/07 16:41/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/08/07 23:46/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/08/07 23:46/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/08/07 23:46/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/08/07 23:46/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/08/07 23:46/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	10/08/07 23:46/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/08/07 23:46/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	10/11/07 08:29/eli-c
- D=Detection limit raised due to matrix interference.								
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	10/08/07 16:12/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/10/07 10:32/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/11/07 11:00/eli-c
RADIONUCLIDES - DISSOLVED								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090389-004
Client Sample ID: DewBurd SUB11

Report Date: 12/26/07
Collection Date: 09/27/07 17:15
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	0.7	pCi/L		0.2		1	E903.0	10/30/07 15:07/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	10/30/07 15:07/eli-c
Thorium 230	1.6	pCi/L		0.2		1	E907.0	10/29/07 15:00/eli-c
Thorium 230 precision (±)	1.1	pCi/L				1	E907.0	10/29/07 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	8.2	pCi/L	D	2.0		1	E909.0M	10/24/07 07:00/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	10/24/07 07:00/eli-c
Polonium 210	ND	pCi/L	D	2.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	ND	pCi/L	D	0.4		1	E903.0	10/30/07 13:34/eli-c
Thorium 230	ND	pCi/L	D	0.4		1	E907.0	10/26/07 10:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	2.9	pCi/L		1.0		1	E900.0	10/14/07 01:13/eli-c
Gross Alpha precision (±)	0.7	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Beta	10.6	pCi/L		2.0		1	E900.0	10/14/07 01:13/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	10/04/07 15:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.19	.%				1	A1030 E	12/10/07 19:12/eli-c
Anions	2.88	meq/L				1	A1030 E	12/10/07 19:12/eli-c
Cations	2.65	meq/L				1	A1030 E	12/10/07 19:12/eli-c
Solids, Total Dissolved Calculated	155	mg/L				1	A1030 E	12/10/07 19:12/eli-c
TDS Balance (0.80 - 1.20)	1.43	dec. %				1	A1030 E	12/10/07 19:12/eli-c

- TDS balance may have been affected by hydratable solids combined with a relatively clean matrix.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071004A-ALK-SEL-W	
Sample ID: MBLK1_071004A	Method Blank				Run: PH_COND1-R_071004A			10/04/07 15:38	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_071004A	Laboratory Control Sample				Run: PH_COND1-R_071004A			10/04/07 15:44	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: R07090385-002AMS	Sample Matrix Spike				Run: PH_COND1-R_071004A			10/04/07 17:05	
Alkalinity, Total as CaCO3	272	mg/L	5.0	108	80	120			
Sample ID: R07090391-003BMS	Sample Matrix Spike				Run: PH_COND1-R_071004A			10/04/07 17:55	
Alkalinity, Total as CaCO3	220	mg/L	5.0	96	80	120			
Method: A2510 B								Batch: 071002_1_COND-PROBE-W	
Sample ID: LCS1-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:11	
Conductivity @ 25 C	149	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:12	
Conductivity @ 25 C	4920	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071002	Method Blank				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07090389-004BDUP	Sample Duplicate				Run: PH_COND2-R_071002A			10/02/07 18:56	
Conductivity @ 25 C	205	umhos/cm	5.0				1.5	10	
Method: A2540 C								Batch: 071002A-SLDS-TDS-W	
Sample ID: MBLK1_071002A	Method Blank				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_071002A	Laboratory Control Sample				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: R07090389-004BMS	Sample Matrix Spike				Run: BAL-4-R_071002A			10/02/07 13:05	
Solids, Total Dissolved TDS @ 180 C	430	mg/L	5.0	106	80	120			
Sample ID: R07090389-004BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071002A			10/02/07 13:06	
Solids, Total Dissolved TDS @ 180 C	420	mg/L	5.0	99	80	120	3.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 071004A-SLDS-TSS-W	
Sample ID: MBLK1_071004A	Method Blank				Run: BAL-4-R_071004A			10/04/07 08:27	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_071004A	Laboratory Control Sample				Run: BAL-4-R_071004A			10/04/07 08:27	
Solids, Total Suspended TSS @ 105 C	180	mg/L	5.0	88	85	115			
Sample ID: R07090389-001BDUP	Sample Duplicate				Run: BAL-4-R_071004A			10/04/07 00:00	
Solids, Total Suspended TSS @ 105 C	10	mg/L	5.0				11	20	
Method: A3114 B								Batch: C_SE3114-071008	
Sample ID: MBLK	Method Blank				Run: SUB-C91036			10/08/07 15:21	
Selenium	ND	mg/L	0.0004						
Sample ID: R07090389-001H	Sample Matrix Spike				Run: SUB-C91036			10/08/07 16:29	
Selenium	0.049	mg/L	0.0010	98	85	115			
Sample ID: R07090389-001H	Sample Matrix Spike Duplicate				Run: SUB-C91036			10/08/07 16:31	
Selenium	0.051	mg/L	0.0010	101	85	115	3.3	10	
Sample ID: 301-98-4	Laboratory Control Sample				Run: SUB-C91036			10/08/07 16:43	
Selenium	0.050	mg/L	0.0010	99	90	110			
Method: A3114 B								Batch: C_SEIV3114-071010	
Sample ID: MBLK	Method Blank				Run: SUB-C91026			10/10/07 10:23	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: R07090389-001H	Sample Matrix Spike				Run: SUB-C91026			10/10/07 10:46	
Selenium-IV	0.044	mg/L	0.0010	88	85	115			
Sample ID: R07090389-001H	Sample Matrix Spike Duplicate				Run: SUB-C91026			10/10/07 10:48	
Selenium-IV	0.045	mg/L	0.0010	91	85	115	2.6	10	
Sample ID: 301-98-4	Laboratory Control Sample				Run: SUB-C91026			10/10/07 10:51	
Selenium-IV	0.046	mg/L	0.0010	93	90	110			
Method: A3500-Cr B								Batch: 092807A	
Sample ID: MBLK	Method Blank				Run: SPEC1_070928A			09/28/07 09:00	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_070928A			09/28/07 09:00	
Chromium, Hexavalent	0.18	mg/L	0.0050	91	80	120			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Batch: 071002_1_PH-W	
Sample ID: LCS_pH-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:08	
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R07090389-004BDUP	Sample Duplicate				Run: PH_COND2-R_071002A			10/02/07 18:55	
pH	7.07	s.u.	0.010				0.4	1.25	
Method: A9222 D								Batch: 070928-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_070927A			09/28/07 17:00	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_16355
Sample ID: MB-16355	Method Blank				Run: SUB-C90946				10/08/07 16:13
Boron	0.02	mg/L	0.006						
Iron	ND	mg/L	0.005						
Manganese	ND	mg/L	0.0008						
Vanadium	ND	mg/L	0.006						
Zinc	ND	mg/L	0.006						
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.1						
Potassium	0.1	mg/L	0.08						
Silica	ND	mg/L	0.04						
Sodium	0.3	mg/L	0.1						
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90946				10/08/07 16:16
Boron	0.522	mg/L	0.10	104	85	115			
Iron	0.511	mg/L	0.030	102	85	115			
Manganese	0.504	mg/L	0.010	101	85	115			
Vanadium	0.520	mg/L	0.10	104	85	115			
Zinc	0.547	mg/L	0.010	109	85	115			
Calcium	54.2	mg/L	0.50	108	85	115			
Magnesium	54.2	mg/L	0.50	108	85	115			
Potassium	51.3	mg/L	0.50	103	85	115			
Silica	0.518	mg/L	0.10	104	0	0			S
Sodium	50.0	mg/L	0.50	100	85	115			
Sample ID: C07100221-004DMS	Sample Matrix Spike				Run: SUB-C90946				10/08/07 16:45
Boron	0.650	mg/L	0.10	104	70	130			
Iron	23.3	mg/L	0.030		70	130			A
Manganese	3.08	mg/L	0.010		70	130			A
Vanadium	0.523	mg/L	0.10	105	70	130			
Calcium	76.8	mg/L	0.50	107	70	130			
Magnesium	61.5	mg/L	0.50	110	70	130			
Potassium	64.8	mg/L	0.50	103	70	130			
Silica	12.5	mg/L	0.10		70	130			A
Sodium	56.6	mg/L	0.50	100	70	130			
Sample ID: C07100221-004DMSD	Sample Matrix Spike Duplicate				Run: SUB-C90946				10/08/07 16:48
Boron	0.656	mg/L	0.10	105	70	130	0.9	20	
Iron	23.8	mg/L	0.030		70	130	2.1	20	A
Manganese	3.13	mg/L	0.010		70	130	1.8	20	A
Vanadium	0.528	mg/L	0.10	106	70	130	1.0	20	
Calcium	76.5	mg/L	0.50	107	70	130	0.4	20	
Magnesium	61.0	mg/L	0.50	109	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_16355
Sample ID: C07100221-004DMSD	Sample Matrix Spike Duplicate				Run: SUB-C90946			10/08/07 16:48	
Potassium	64.5	mg/L	0.50	103	70	130	0.5	20	
Silica	12.7	mg/L	0.10		70	130	1.5	20	A
Sodium	56.2	mg/L	0.50	99	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R91021	
Sample ID: LFB-ICP25304	Laboratory Fortified Blank				Run: SUB-C91021			10/09/07 14:30	
Silica	2.0	mg/L	0.10	98	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Calcium	50	mg/L	0.50	101	85	125			
Iron	1.9	mg/L	0.030	95	85	125			
Magnesium	50	mg/L	0.50	100	85	125			
Potassium	48	mg/L	0.50	95	85	125			
Sodium	48	mg/L	0.50	95	85	125			
Sample ID: LRB	Method Blank				Run: SUB-C91021			10/09/07 14:49	
Boron	ND	mg/L	0.004						
Iron	ND	mg/L	0.002						
Calcium	ND	mg/L	0.04						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.08						
Silica	ND	mg/L	0.06						
Sodium	ND	mg/L	0.06						
Sample ID: C07100085-005CMS	Sample Matrix Spike				Run: SUB-C91021			10/09/07 19:54	
Boron	0.52	mg/L	0.10	94	70	130			
Iron	0.49	mg/L	0.030	91	70	130			
Calcium	200	mg/L	0.50	80	70	130			
Magnesium	81	mg/L	0.50	92	70	130			
Potassium	150	mg/L	0.50	100	70	130			
Silica	11	mg/L	0.10		70	130			A
Sodium	98	mg/L	0.50	84	70	130			
Sample ID: C07100085-005CMSD	Sample Matrix Spike Duplicate				Run: SUB-C91021			10/09/07 19:57	
Boron	0.51	mg/L	0.10	91	70	130	2.5	20	
Iron	0.48	mg/L	0.030	89	70	130	1.9	20	
Calcium	190	mg/L	0.50	72	70	130	2.1	20	
Magnesium	79	mg/L	0.50	87	70	130	3.1	20	
Potassium	150	mg/L	0.50	98	70	130	1.6	20	
Silica	11	mg/L	0.10		70	130	1.9	20	A
Sodium	97	mg/L	0.50	82	70	130	1.1	20	
Sample ID: LFB-ICP25304	Laboratory Fortified Blank				Run: SUB-C91021			10/09/07 20:47	
Boron	2.0	mg/L	0.10	100	85	125			
Iron	2.0	mg/L	0.030	98	85	125			
Calcium	51	mg/L	0.50	102	85	125			
Magnesium	51	mg/L	0.50	103	85	125			
Potassium	48	mg/L	0.50	97	85	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R91021
Sample ID: LFB-ICP25304	Laboratory Fortified Blank				Run: SUB-C91021				10/09/07 20:47
Silica	1.9	mg/L	0.10	97	85	125			
Sodium	47	mg/L	0.50	94	85	125			

Qualifiers:
RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16355
Sample ID: MB-16355	Method Blank				Run: SUB-C90947				10/08/07 21:39
Aluminum	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	0.0002						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	0.0002						
Uranium	5E-05	mg/L	4E-05						
Vanadium	ND	mg/L	0.0001						
Sample ID: LCS1-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:46
Aluminum	0.018	mg/L	0.10	92	80	120			
Arsenic	0.019	mg/L	0.0010	97	80	120			
Barium	0.019	mg/L	0.10	95	80	120			
Cadmium	0.019	mg/L	0.010	96	80	120			
Chromium	0.020	mg/L	0.050	102	80	120			
Copper	0.019	mg/L	0.010	97	80	120			
Lead	0.019	mg/L	0.050	93	80	120			
Manganese	0.020	mg/L	0.010	98	80	120			
Molybdenum	0.019	mg/L	0.10	96	80	120			
Nickel	0.019	mg/L	0.050	94	80	120			
Selenium	0.098	mg/L	0.0010	98	80	120			
Silver	0.0085	mg/L	0.010	43	80	120			S
Uranium	0.019	mg/L	0.00030	93	80	120			
Vanadium	0.020	mg/L	0.10	98	80	120			
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:53
Aluminum	0.49	mg/L	0.10	99	85	115			
Arsenic	0.50	mg/L	0.0013	100	85	115			
Barium	0.50	mg/L	0.10	99	85	115			
Cadmium	0.50	mg/L	0.010	99	85	115			
Chromium	0.50	mg/L	0.050	100	85	115			
Copper	0.49	mg/L	0.010	97	85	115			
Lead	0.49	mg/L	0.050	98	85	115			
Manganese	0.50	mg/L	0.010	101	85	115			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16355
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:53
Molybdenum	0.50	mg/L	0.10	101	85	115			
Nickel	0.50	mg/L	0.050	100	85	115			
Selenium	0.52	mg/L	0.0022	103	85	115			
Silver	0.094	mg/L	0.010	47	85	115			S
Uranium	0.50	mg/L	0.00038	100	85	115			
Vanadium	0.50	mg/L	0.10	101	85	115			
Sample ID: C07100221-004D MS4	Post Digestion Spike				Run: SUB-C90947				10/08/07 23:54
Aluminum	0.56	mg/L	0.10		70	130			A
Arsenic	0.074	mg/L	0.0010	98	70	130			
Barium	0.100	mg/L	0.10	102	70	130			
Cadmium	0.069	mg/L	0.010	98	70	130			
Chromium	0.070	mg/L	0.050	99	70	130			
Copper	0.071	mg/L	0.010	100	70	130			
Lead	0.072	mg/L	0.050	101	70	130			
Manganese	2.5	mg/L	0.010		70	130			A
Mercury	0.0059	mg/L	0.0010	85	70	130			
Molybdenum	0.071	mg/L	0.10	101	70	130			
Nickel	0.075	mg/L	0.050	100	70	130			
Selenium	0.14	mg/L	0.0010	90	70	130			
Silver	0.028	mg/L	0.010	70	70	130			
Thorium 232	0.072	mg/L	0.0010	103	70	130			
Uranium	0.073	mg/L	0.00030	104	70	130			
Vanadium	0.072	mg/L	0.10	100	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07100221-004D MSD4	Post Digestion Spike Duplicate				Run: SUB-C90947				10/09/07 00:24
Aluminum	0.66	mg/L	0.10		70	130	16	20	A
Arsenic	0.074	mg/L	0.0010	98	70	130	0.2	20	
Barium	0.10	mg/L	0.10	103	70	130	1.1	20	
Cadmium	0.069	mg/L	0.010	98	70	130	0.6	20	
Chromium	0.069	mg/L	0.050	98	70	130	1.1	20	
Copper	0.072	mg/L	0.010	101	70	130	1.2	20	
Lead	0.072	mg/L	0.050	100	70	130	0.5	20	
Manganese	2.5	mg/L	0.010		70	130	0.1	20	A
Molybdenum	0.071	mg/L	0.10	101	70	130	0.0	20	
Nickel	0.076	mg/L	0.050	102	70	130	1.3	20	
Selenium	0.13	mg/L	0.0010	89	70	130	1.8	20	
Silver	0.025	mg/L	0.010	63	70	130	12	20	S
Thorium 232	0.071	mg/L	0.0010	101	70	130	1.6	20	
Uranium	0.073	mg/L	0.00030	104	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16355
Sample ID: C07100221-004D MSD4	Post Digestion Spike Duplicate				Run: SUB-C90947			10/09/07 00:24	
Vanadium	0.072	mg/L	0.10	100	70	130	0.0	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: R07090389-004D	Post Digestion Spike				Run: SUB-C91068			10/11/07 08:36	
Arsenic	0.50	mg/L	0.0010	99	70	130			
Barium	0.53	mg/L	0.10	100	70	130			
Cadmium	0.50	mg/L	0.010	99	70	130			
Chromium	0.48	mg/L	0.050	97	70	130			
Copper	0.49	mg/L	0.010	99	70	130			
Lead	0.50	mg/L	0.050	100	70	130			
Manganese	2.9	mg/L	0.010		70	130			A
Mercury	0.050	mg/L	0.0010	100	70	130			
Molybdenum	0.50	mg/L	0.10	100	70	130			
Nickel	0.50	mg/L	0.050	98	70	130			
Selenium	0.50	mg/L	0.0020	99	70	130			
Silver	0.22	mg/L	0.010	108	70	130			
Thorium 232	0.49	mg/L	0.0010	98	70	130			
Uranium	0.50	mg/L	0.00032	99	70	130			
Vanadium	0.49	mg/L	0.10	97	70	130			
Zinc	0.52	mg/L	0.010	99	70	130			
Sample ID: R07090389-004D	Post Digestion Spike Duplicate				Run: SUB-C91068			10/11/07 08:42	
Arsenic	0.50	mg/L	0.0010	99	70	130	0.3	20	
Barium	0.52	mg/L	0.10	99	70	130	1.0	20	
Cadmium	0.49	mg/L	0.010	98	70	130	1.5	20	
Chromium	0.48	mg/L	0.050	95	70	130	1.7	20	
Copper	0.49	mg/L	0.010	97	70	130	1.6	20	
Lead	0.50	mg/L	0.050	99	70	130	0.7	20	
Manganese	2.9	mg/L	0.010		70	130	1.5	20	A
Mercury	0.050	mg/L	0.0010	100	70	130	0.0	20	
Molybdenum	0.50	mg/L	0.10	99	70	130	1.3	20	
Nickel	0.49	mg/L	0.050	96	70	130	2.1	20	
Selenium	0.50	mg/L	0.0020	99	70	130	0.2	20	
Silver	0.22	mg/L	0.010	108	70	130	0.3	20	
Thorium 232	0.49	mg/L	0.0010	98	70	130	0.1	20	
Uranium	0.49	mg/L	0.00032	97	70	130	1.9	20	
Vanadium	0.48	mg/L	0.10	96	70	130	0.9	20	
Zinc	0.52	mg/L	0.010	100	70	130	0.6	20	
Sample ID: LCS1-16355	Laboratory Control Sample				Run: SUB-C91068			10/11/07 08:02	
Aluminum	0.019	mg/L	0.10	82	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16355
Sample ID: LCS1-16355	Laboratory Control Sample				Run: SUB-C91068				10/11/07 08:02
Arsenic	0.018	mg/L	0.0010	89	80	120			
Barium	0.020	mg/L	0.10	99	80	120			
Cadmium	0.019	mg/L	0.010	95	80	120			
Chromium	0.019	mg/L	0.050	95	80	120			
Copper	0.019	mg/L	0.010	95	80	120			
Lead	0.019	mg/L	0.050	96	80	120			
Manganese	0.018	mg/L	0.010	92	80	120			
Molybdenum	0.019	mg/L	0.10	96	80	120			
Nickel	0.019	mg/L	0.050	96	80	120			
Selenium	0.093	mg/L	0.0010	93	80	120			
Silver	0.020	mg/L	0.010	99	80	120			
Thorium 232	0.016	mg/L	0.0010	81	80	120			
Uranium	0.019	mg/L	0.00030	97	80	120			
Vanadium	0.018	mg/L	0.10	92	80	120			
Zinc	0.021	mg/L	0.010	96	80	120			
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C91068				10/11/07 08:09
Aluminum	0.48	mg/L	0.10	95	85	115			
Arsenic	0.48	mg/L	0.0010	96	85	115			
Barium	0.48	mg/L	0.10	96	85	115			
Cadmium	0.48	mg/L	0.010	97	85	115			
Chromium	0.46	mg/L	0.050	92	85	115			
Copper	0.47	mg/L	0.010	95	85	115			
Lead	0.49	mg/L	0.050	98	85	115			
Manganese	0.47	mg/L	0.010	94	85	115			
Molybdenum	0.48	mg/L	0.10	96	85	115			
Nickel	0.48	mg/L	0.050	96	85	115			
Selenium	0.48	mg/L	0.0020	96	85	115			
Silver	0.23	mg/L	0.010	113	85	115			
Uranium	0.50	mg/L	0.00032	100	85	115			
Vanadium	0.47	mg/L	0.10	94	85	115			
Zinc	0.51	mg/L	0.010	101	85	115			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16362
Sample ID: MB-16362	Method Blank				Run: SUB-C90947				10/09/07 00:39
Uranium	ND	mg/L	4E-05						
Sample ID: LCS1-16362	Laboratory Control Sample				Run: SUB-C90947				10/09/07 00:46
Uranium	0.0219	mg/L	0.00030	104	80	120			
Sample ID: LCS-16362	Laboratory Control Sample				Run: SUB-C90947				10/09/07 00:54
Uranium	1.05	mg/L	0.00037	100	85	115			
Sample ID: C07100221-004FMS4	Post Digestion Spike				Run: SUB-C90947				10/09/07 04:10
Thorium 232	0.535	mg/L	0.0010	107	70	130			
Uranium	0.541	mg/L	0.00035	108	70	130			
Sample ID: C07100221-004FMSD4	Post Digestion Spike Duplicate				Run: SUB-C90947				10/09/07 04:18
Thorium 232	0.536	mg/L	0.0010	107	70	130	0.3	20	
Uranium	0.541	mg/L	0.00035	108	70	130	0.1	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: LRB	Method Blank				Run: SUB-C90827				10/04/07 12:35
Aluminum	ND	mg/L	0.0002						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	0.0002	mg/L	0.0002						
Chromium	ND	mg/L	0.0001						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	2E-05						
Manganese	3E-05	mg/L	3E-05						
Mercury	7E-05	mg/L	6E-06						
Molybdenum	0.0005	mg/L	7E-05						
Nickel	0.0003	mg/L	8E-05						
Selenium	ND	mg/L	0.0004						
Silver	ND	mg/L	3E-05						
Thorium 232	0.00010	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	9E-05						
Zinc	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90827				10/04/07 12:42
Aluminum	0.0497	mg/L	0.0010	99	85	115			
Arsenic	0.0496	mg/L	0.0010	99	85	115			
Barium	0.0490	mg/L	0.0010	98	85	115			
Cadmium	0.0500	mg/L	0.0010	100	85	115			
Chromium	0.0493	mg/L	0.0010	99	85	115			
Copper	0.0504	mg/L	0.0010	101	85	115			
Lead	0.0498	mg/L	0.0010	100	85	115			
Manganese	0.0492	mg/L	0.0010	98	85	115			
Mercury	0.00506	mg/L	0.0010	100	85	115			
Molybdenum	0.0504	mg/L	0.0010	100	85	115			
Nickel	0.0506	mg/L	0.0010	101	85	115			
Selenium	0.0495	mg/L	0.0010	99	85	115			
Silver	0.0197	mg/L	0.0010	98	85	115			
Thorium 232	0.0499	mg/L	0.0010	100	85	115			
Uranium	0.0504	mg/L	0.00030	101	85	115			
Vanadium	0.0497	mg/L	0.0010	99	85	115			
Zinc	0.0528	mg/L	0.0021	106	85	115			
Sample ID: C07100156-001EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 18:32
Aluminum	0.245	mg/L	0.10	97	70	130			
Arsenic	0.258	mg/L	0.0010	102	70	130			
Barium	0.357	mg/L	0.10	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: C07100156-001EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 18:32
Cadmium	0.247	mg/L	0.010	99	70	130			
Chromium	0.245	mg/L	0.050	98	70	130			
Copper	0.251	mg/L	0.010	97	70	130			
Lead	0.255	mg/L	0.050	102	70	130			
Manganese	0.248	mg/L	0.010	98	70	130			
Mercury	0.0257	mg/L	0.0010	103	70	130			
Molybdenum	0.262	mg/L	0.10	103	70	130			
Nickel	0.247	mg/L	0.050	97	70	130			
Selenium	0.246	mg/L	0.0020	97	70	130			
Silver	0.0828	mg/L	0.010	83	70	130			
Thorium 232	0.252	mg/L	0.0010	100	70	130			
Uranium	0.305	mg/L	0.00030	105	70	130			
Vanadium	0.259	mg/L	0.10	101	70	130			
Zinc	0.275	mg/L	0.010	100	70	130			
Sample ID: C07100156-001EMSD4	Post Digestion Spike Duplicate				Run: SUB-C90827				10/04/07 18:39
Aluminum	0.251	mg/L	0.10	99	70	130	2.2	20	
Arsenic	0.257	mg/L	0.0010	101	70	130	0.1	20	
Barium	0.356	mg/L	0.10	101	70	130	0.2	20	
Cadmium	0.247	mg/L	0.010	99	70	130	0.1	20	
Chromium	0.247	mg/L	0.050	98	70	130	0.6	20	
Copper	0.252	mg/L	0.010	98	70	130	0.2	20	
Lead	0.257	mg/L	0.050	103	70	130	0.7	20	
Manganese	0.250	mg/L	0.010	98	70	130	0.5	20	
Mercury	0.0258	mg/L	0.0010	103	70	130	0.8	20	
Molybdenum	0.261	mg/L	0.10	103	70	130	0.5	20	
Nickel	0.240	mg/L	0.050	95	70	130	2.7	20	
Selenium	0.249	mg/L	0.0020	98	70	130	1.3	20	
Silver	0.0893	mg/L	0.010	89	70	130	7.6	20	
Thorium 232	0.261	mg/L	0.0010	104	70	130	3.7	20	
Uranium	0.308	mg/L	0.00030	107	70	130	1.0	20	
Vanadium	0.259	mg/L	0.10	101	70	130	0.1	20	
Zinc	0.274	mg/L	0.010	100	70	130	0.5	20	
Sample ID: C07100175-002EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 20:17
Thorium 232	0.0494	mg/L	0.0010	99	70	130			
Aluminum	0.0420	mg/L	0.10	84	70	130			
Arsenic	0.0538	mg/L	0.0010	103	70	130			
Barium	0.272	mg/L	0.10		70	130			A
Cadmium	0.0498	mg/L	0.0010	100	70	130			
Chromium	0.0498	mg/L	0.050	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: C07100175-002EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 20:17
Copper	0.0585	mg/L	0.010	96	70	130			
Lead	0.0575	mg/L	0.0010	99	70	130			
Manganese	0.0472	mg/L	0.010	92	70	130			
Mercury	0.00492	mg/L	0.0010	98	70	130			
Molybdenum	0.0518	mg/L	0.10	100	70	130			
Nickel	0.0556	mg/L	0.050	97	70	130			
Selenium	0.0546	mg/L	0.0010	107	70	130			
Silver	0.0135	mg/L	0.010	68	70	130			S
Uranium	0.0619	mg/L	0.00030	101	70	130			
Vanadium	0.0529	mg/L	0.10	99	70	130			
Zinc	0.181	mg/L	0.010	100	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07100175-002EMSD4	Post Digestion Spike Duplicate				Run: SUB-C90827				10/04/07 20:24
Thorium 232	0.0517	mg/L	0.0010	103	70	130	4.5	20	
Aluminum	0.0420	mg/L	0.10	84	70	130	0.0	20	
Arsenic	0.0545	mg/L	0.0010	105	70	130	1.2	20	
Barium	0.272	mg/L	0.10		70	130	0.1	20	A
Cadmium	0.0497	mg/L	0.0010	99	70	130	0.2	20	
Chromium	0.0506	mg/L	0.050	97	70	130	1.5	20	
Copper	0.0591	mg/L	0.010	97	70	130	1.0	20	
Lead	0.0580	mg/L	0.0010	100	70	130	0.8	20	
Manganese	0.0482	mg/L	0.010	95	70	130	2.1	20	
Mercury	0.00507	mg/L	0.0010	101	70	130	2.9	20	
Molybdenum	0.0520	mg/L	0.10	100	70	130	0.0	20	
Nickel	0.0565	mg/L	0.050	99	70	130	1.6	20	
Selenium	0.0549	mg/L	0.0010	107	70	130	0.7	20	
Silver	0.0176	mg/L	0.010	88	70	130	26	20	R
Uranium	0.0634	mg/L	0.00030	104	70	130	2.5	20	
Vanadium	0.0539	mg/L	0.10	101	70	130	0.0	20	
Zinc	0.182	mg/L	0.010	102	70	130	0.5	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90827				10/05/07 01:53
Arsenic	0.0494	mg/L	0.0010	99	85	115			
Barium	0.0496	mg/L	0.0010	99	85	115			
Cadmium	0.0486	mg/L	0.0010	97	85	115			
Chromium	0.0474	mg/L	0.0010	95	85	115			
Copper	0.0495	mg/L	0.0010	99	85	115			
Lead	0.0495	mg/L	0.0010	99	85	115			
Manganese	0.0477	mg/L	0.0010	95	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90827				10/05/07 01:53
Molybdenum	0.0497	mg/L	0.0010	99	85	115			
Nickel	0.0486	mg/L	0.0010	97	85	115			
Selenium	0.0500	mg/L	0.0010	100	85	115			
Thorium 232	0.0482	mg/L	0.0010	96	85	115			
Uranium	0.0495	mg/L	0.00030	99	85	115			
Vanadium	0.0477	mg/L	0.0010	95	85	115			
Zinc	0.0512	mg/L	0.0021	102	85	115			
Method: E200.8									Batch: C_R91005
Sample ID: LRB	Method Blank				Run: SUB-C91005				10/09/07 11:34
Aluminum	ND	mg/L	0.0001						
Chromium	4E-05	mg/L	4E-05						
Manganese	ND	mg/L	5E-05						
Vanadium	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C91005				10/09/07 11:41
Aluminum	0.0496	mg/L	0.0010	99	85	115			
Chromium	0.0509	mg/L	0.0010	102	85	115			
Manganese	0.0500	mg/L	0.0010	100	85	115			
Vanadium	0.0496	mg/L	0.0010	99	85	115			
Sample ID: R07090389-003G	Post Digestion Spike				Run: SUB-C91005				10/09/07 17:52
Aluminum	136	mg/L	0.10		70	130			A
Chromium	2.55	mg/L	0.050	102	70	130			
Manganese	226	mg/L	0.010		70	130			A
Vanadium	2.45	mg/L	0.10	98	70	130			
Sample ID: R07090389-003G	Post Digestion Spike Duplicate				Run: SUB-C91005				10/09/07 17:58
Aluminum	134	mg/L	0.10		70	130	1.6	20	A
Chromium	2.51	mg/L	0.050	100	70	130	1.7	20	
Manganese	226	mg/L	0.010		70	130	0.4	20	A
Vanadium	2.45	mg/L	0.10	98	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31616
Sample ID: LFB0709285802-3	Laboratory Fortified Blank				Run: DIONEX_070928A				09/28/07 21:11
Chloride	4.70	mg/L	0.50	94	90	110			
Fluoride	2.01	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.39	mg/L	0.10	96	90	110			
Sulfate	14.7	mg/L	1.0	98	90	110			
Sample ID: LFB0709285802-4	Laboratory Fortified Blank				Run: DIONEX_070928A				09/28/07 21:27
Nitrogen, Nitrate as N	2.68	mg/L	0.10	107	90	110			
Sample ID: R07100002-001AMS	Sample Matrix Spike				Run: DIONEX_070928A				09/29/07 20:57
Chloride	97.4	mg/L	0.50		80	120			A
Fluoride	2.27	mg/L	0.10	91	80	120			
Nitrogen, Nitrate as N	2.23	mg/L	0.10	89	80	120			
Sulfate	1240	mg/L	1.0		80	120			A
Sample ID: R07100002-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070928A				09/29/07 21:13
Chloride	96.9	mg/L	0.50		80	120	0.4	10	A
Fluoride	2.24	mg/L	0.10	89	80	120	1.3	10	
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	80	120	3.5	10	
Sulfate	1220	mg/L	1.0		80	120	1.1	10	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31638
Sample ID: LFB0710013150-3	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:24
Chloride	4.94	mg/L	0.50	99	90	110			
Sulfate	14.6	mg/L	1.0	97	90	110			
Sample ID: LFB0710013150-4	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:40
Chloride	4.65	mg/L	0.50	93	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R07090385-001AMS	Sample Matrix Spike				Run: DIONEX_071001A				10/02/07 03:47
Chloride	106	mg/L	0.80	93	80	120			
Sulfate	1610	mg/L	14		80	120			A
Sample ID: R07090385-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071001A				10/02/07 04:03
Chloride	105	mg/L	0.80	91	80	120	1.1	10	
Sulfate	1590	mg/L	14		80	120	1.2	10	A
Sample ID: R07090389-003BMS	Sample Matrix Spike				Run: DIONEX_071001A				10/02/07 07:04
Chloride	494	mg/L	4.0	92	80	120			
Sulfate	6780	mg/L	72	117	80	120			
Sample ID: R07090389-003BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071001A				10/02/07 07:20
Chloride	482	mg/L	4.0	89	80	120	2.4	10	
Sulfate	6530	mg/L	72	100	80	120	6.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

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

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R90863
Sample ID: LCS-R90863	Laboratory Control Sample				Run: SUB-C90863				10/04/07 15:30
Americium 241	730	pCi/L	20	90	70	130			
Cesium 137	1100	pCi/L	20	80	70	130			
Potassium 40	7200	pCi/L	20	108	70	130			
Sample ID: MB-R90863	Method Blank				Run: SUB-C90863				10/04/07 15:30
Americium 241	ND	pCi/L	20						
Barium 133	ND	pCi/L	20						
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Sample ID: R07090389-004E	Sample Duplicate				Run: SUB-C90863				10/04/07 15:30
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0								Batch: C_RA226-2384	
Sample ID: C07100798-002AMS	Sample Matrix Spike				Run: SUB-C92054			10/30/07 15:07	
Radium 226	48	pCi/L	0.20	92	70	130			
- MS and MSD were inadvertently spiked at double the standard amount.									
Sample ID: C07100798-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C92054			10/30/07 15:07	
Radium 226	60	pCi/L	0.20	120	70	130	22	21	R
- MS and MSD were inadvertently spiked at double the standard amount. - The RPD for the spike is high. The individual Spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-RA226-2384	Method Blank				Run: SUB-C92054			10/30/07 16:33	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2384	Laboratory Control Sample				Run: SUB-C92054			10/30/07 16:33	
Radium 226	13	pCi/L	0.20	104	70	130			
Method: E907.0								Batch: C_16513	
Sample ID: R07090368-002G	Sample Duplicate				Run: SUB-C92213			10/26/07 10:00	
Thorium 230	ND	pCi/L	0.20		70	130	0.0	30	
Sample ID: R07090368-004G	Sample Matrix Spike				Run: SUB-C92213			10/26/07 10:00	
Thorium 230	51.0	pCi/L	0.20	88	70	130			
Method: E907.0								Batch: C_R92443	
Sample ID: LCS-R92443	Laboratory Control Sample				Run: SUB-C92443			10/29/07 15:00	
Thorium 230	5.7	pCi/L	0.20	97	70	130			
Sample ID: R07090385-003E	Sample Matrix Spike				Run: SUB-C92443			10/29/07 15:00	
Thorium 230	21	pCi/L	0.20	105	70	130			
Sample ID: R07090385-003E	Sample Matrix Spike Duplicate				Run: SUB-C92443			10/29/07 15:00	
Thorium 230	21	pCi/L	0.20	106	70	130	0.5	30	
Sample ID: MB-R92443	Method Blank				Run: SUB-C92443			10/29/07 15:00	
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07090389

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_16513
Sample ID: R07090368-002G	Sample Duplicate				Run: SUB-C92379				10/24/07 07:00
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: R07090368-004G	Sample Matrix Spike				Run: SUB-C92379				10/24/07 07:00
Lead 210	430	pCi/L	1.0	106	70	130			
Sample ID: MB-R92379	Method Blank				Run: SUB-C92379				10/24/07 07:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R92379	Laboratory Control Sample				Run: SUB-C92379				10/24/07 07:00
Lead 210	80	pCi/L	1.0	100	70	130			
Method: E909.0M									Batch: C_R92528
Sample ID: R07090385-001E	Sample Matrix Spike				Run: SUB-C92528				10/26/07 09:00
Lead 210	340	pCi/L	1.0	84	70	130			
Sample ID: R07090385-001E	Sample Matrix Spike Duplicate				Run: SUB-C92528				10/26/07 09:00
Lead 210	340	pCi/L	1.0	83	70	130	0.3	30	
Sample ID: MB-R92528	Method Blank				Run: SUB-C92528				10/26/07 09:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R92528	Laboratory Control Sample				Run: SUB-C92528				10/26/07 09:00
Lead 210	66	pCi/L	1.0	82	70	130			
Method: RMO-3008									Batch: C_R92119
Sample ID: MB-R92119	Method Blank				Run: SUB-C92119				10/30/07 14:00
Polonium 210	ND	pCi/L	1						
Sample ID: LCS-R92119	Laboratory Control Sample				Run: SUB-C92119				10/30/07 14:00
Polonium 210	19	pCi/L	1.0	83	70	130			
Sample ID: R07090385-005E	Sample Matrix Spike				Run: SUB-C92119				10/30/07 14:00
Polonium 210	89	pCi/L	1.0	80	70	130			
Sample ID: R07090385-005E	Sample Matrix Spike Duplicate				Run: SUB-C92119				10/30/07 14:00
Polonium 210	87	pCi/L	1.0	78	70	130	2.5	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

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

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Power Fan Dewey Burdock

Report Mail Address:

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

Sampler Name if other than Contact: Eric Krantz

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #:

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

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

Receipt Temp 6.8 °C on ice

Cooler ID(s)

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers / Sample Type: A W S V B O / Soils/Solids Vegetation Bioassay Other	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	~~Dew Burd GW 619~~	9/27/07	17:45						
2	Dew Burd Sub 07	9/27/07	18:45					-	7090389-001
3	Dew Burd Sub 02	9/27/07	16:45						002
4	Dew Burd Sub 06	9/27/07	18:10	W					003
5	~~Dew Burd GW 16~~	9/27/07	19:18	W					
6	~~Dew Burd GW 4002 A~~	9/27/07	14:35	W					
7	~~Dew Burd GW 4002 B~~	9/27/07	14:39	W					
8	~~Dew Burd GW 13~~	9/27/07	15:45	W					
9	Dew Burd Sub 11	9-27-07	1715	W					004
10									

pH

should be 16:45 in .pdf

LABORATORY USE ONLY

Custody Record MUST be Signed

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

Relinquished by: Date/Time: Shipped by:

Received by: Date/Time:

Received by: 9/28/07 0940 Date/Time:

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

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ANALYTICAL SUMMARY REPORT

December 26, 2007

Dan Hoyer
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R07100001 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 9/29/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07100001-001	DewBurd BVC04	09/28/07 8:16	09/29/07	Aqueous	Metals by ICP/ICPMS, Dissolved
					Metals by ICP/ICPMS, Suspended
					Metals by ICP/ICPMS, Total
					Alkalinity
					Anion - Cation Balance
					Bacteria, Fecal Coliform
					Conductivity
					Chromium, Hexavalent
					Chromium, Trivalent
					Selenium, Total
					Selenium, Total
					Selenium-VI, Total
					Anions by Ion Chromatography
					pH
					Metals Digestion by EPA 200.2
					Digestion, Total Metals
					Digestion, As/Se by Hydride
					Dissolved Filtration
					Gross Alpha, Gross Beta
					Gross Gamma
					Lead 210, Dissolved
					Lead 210, Suspended
					Polonium 210, Dissolved
					Polonium 210, Suspended
					Radium 226, Dissolved
					Radium 226, Suspended
					Radium 226, Total
					Thorium, Isotopic
					Thorium, Suspended Isotopic
					Suspended Sediment Concentration
					Solids, Total Dissolved
					Solids, Total Suspended

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

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

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

Report Approved By: Linda Ka

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100001-001
Client Sample ID: DewBurd BVC04

Report Date: 12/26/07
Collection Date: 09/28/07 08:16
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	12	CFU/100ml	D	2		2	A9222 D	09/29/07 08:15/lkl
MAJOR IONS								
Alkalinity, Total as CaCO3	110	mg/L		5		1	A2320 B	10/04/07 17:57/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 17:57/sn
Bicarbonate as HCO3	134	mg/L		5		1	A2320 B	10/04/07 17:57/sn
Calcium	288	mg/L		1		1	E200.7	10/08/07 20:51/eli-c
Chloride	1310	mg/L	D	4		100	E300.0	10/05/07 00:23/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	10/01/07 21:46/jmh
Magnesium	171	mg/L		1		1	E200.7	10/08/07 20:51/eli-c
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/01/07 21:46/jmh
Potassium	10	mg/L		1		1	E200.7	10/08/07 20:51/eli-c
Silica	1	mg/L		1		1	E200.7	10/08/07 20:51/eli-c
Sodium	1100	mg/L	D	8		10	E200.7	10/08/07 17:57/eli-c
Sulfate	2520	mg/L	D	70		100	E300.0	10/05/07 00:23/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	7030	umhos/cm		5		1	A2510 B	10/02/07 18:58/jmh
pH	8.23	s.u.		0.01		1	A4500-H B	10/02/07 18:58/jmh
Solids, Suspended Sediment SSC @ 105 C	86	mg/L		5		1	D3977	10/05/07 08:44/jmh
Solids, Total Dissolved TDS @ 180 C	5600	mg/L		5		1	A2540 C	10/02/07 13:09/sn
Solids, Total Suspended TSS @ 105 C	47	mg/L		5		1	A2540 D	10/04/07 08:34/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/04/07 20:39/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/04/07 20:39/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/04/07 20:39/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	10/08/07 20:51/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/04/07 20:39/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/04/07 20:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/04/07 20:39/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/08/07 20:51/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/04/07 20:39/eli-c
Manganese	0.02	mg/L		0.01		1	E200.8	10/04/07 20:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/04/07 20:39/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/04/07 20:39/eli-c
Nickel	ND	mg/L		0.01		1	E200.8	10/04/07 20:39/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100001-001
Client Sample ID: DewBurd BVC04

Report Date: 12/26/07
Collection Date: 09/28/07 08:16
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Selenium	0.003	mg/L		0.001		1	E200.8	10/04/07 20:39/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/04/07 20:39/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/04/07 20:39/eli-c
Uranium	0.0140	mg/L		0.0003		1	E200.8	10/04/07 20:39/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/04/07 20:39/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/04/07 20:39/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		10	E200.8	10/09/07 02:39/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	10/09/07 02:39/eli-c
METALS - TOTAL								
Aluminum	2.0	mg/L		0.1		1	E200.8	10/08/07 22:46/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	10/08/07 22:46/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/08/07 22:46/eli-c
Boron	0.40	mg/L		0.10		2	E200.7	10/09/07 21:34/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/08/07 22:46/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/08/07 22:46/eli-c
Chromium, Hexavalent	ND	mg/L	H	0.005		1	A3500-Cr B	10/03/07 08:30/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/10/07 16:40/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/08/07 22:46/eli-c
Iron	1.34	mg/L		0.03		1	E200.7	10/08/07 20:58/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	10/08/07 22:46/eli-c
Manganese	0.10	mg/L		0.01		1	E200.8	10/08/07 22:46/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/08/07 22:46/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/08/07 22:46/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/08/07 22:46/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/08/07 22:46/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/08/07 22:46/eli-c
Uranium	0.0137	mg/L		0.0003		1	E200.8	10/08/07 22:46/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/08/07 22:46/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	10/09/07 21:34/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	10/11/07 17:04/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/10/07 10:34/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/12/07 09:25/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100001-001
Client Sample ID: DewBurd BVC04

Report Date: 12/26/07
Collection Date: 09/28/07 08:16
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
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	1.7	pCi/L		0.2		1	E907.0	10/29/07 15:00/eli-c
Thorium 230 precision (±)	1.5	pCi/L				1	E907.0	10/29/07 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		2.0		1	E909.0M	10/24/07 07:00/eli-c
Polonium 210	ND	pCi/L		2.0		1	RMO-3008	10/25/07 16:00/eli-c
Radium 226	ND	pCi/L		0.9		1	E903.0	10/30/07 13:34/eli-c
Thorium 230	ND	pCi/L		2.0		1	E907.0	10/26/07 10:00/eli-c
- Suspended RLs raised due to low sample volume.								
RADIONUCLIDES - TOTAL								
Gross Alpha	2.3	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Alpha precision (±)	4.9	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Radium 226	0.7	pCi/L		0.2		1	E903.0	10/15/07 12:20/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	10/15/07 12:20/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	10/04/07 15:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.55	%				1	A1030 E	12/10/07 18:22/eli-c
Anions	91.7	meq/L				1	A1030 E	12/10/07 18:22/eli-c
Cations	85.4	meq/L				1	A1030 E	12/10/07 18:22/eli-c
Solids, Total Dissolved Calculated	5640	mg/L				1	A1030 E	12/10/07 18:22/eli-c
TDS Balance (0.80 - 1.20)	0.990	dec. %				1	A1030 E	12/10/07 18:22/eli-c

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071004A-ALK-SEL-W	
Sample ID: MBLK1_071004A	Method Blank				Run: PH_COND1-R_071004A			10/04/07 15:38	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_071004A	Laboratory Control Sample				Run: PH_COND1-R_071004A			10/04/07 15:44	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: R07090391-003BMS	Sample Matrix Spike				Run: PH_COND1-R_071004A			10/04/07 17:55	
Alkalinity, Total as CaCO3	220	mg/L	5.0	96	80	120			
Sample ID: R07100001-001BDUP	Sample Duplicate				Run: PH_COND1-R_071004A			10/04/07 17:59	
Alkalinity, Total as CaCO3	106	mg/L	5.0				3.7	10	
Carbonate as CO3	ND	mg/L	5.0				0.0	10	
Bicarbonate as HCO3	129	mg/L	5.0				3.7	10	
Method: A2510 B								Batch: 071002_1_COND-PROBE-W	
Sample ID: LCS1-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:11	
Conductivity @ 25 C	149	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:12	
Conductivity @ 25 C	4920	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071002	Method Blank				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 071002A-SLDS-TDS-W	
Sample ID: MBLK1_071002A	Method Blank				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_071002A	Laboratory Control Sample				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: R07090389-004BMS	Sample Matrix Spike				Run: BAL-4-R_071002A			10/02/07 13:05	
Solids, Total Dissolved TDS @ 180 C	430	mg/L	5.0	106	80	120			
Sample ID: R07090389-004BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071002A			10/02/07 13:06	
Solids, Total Dissolved TDS @ 180 C	420	mg/L	5.0	99	80	120	3.3	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 071004A-SLDS-TSS-W	
Sample ID: MBLK1_071004A	Method Blank				Run: BAL-4-R_071004A				10/04/07 08:27
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_071004A	Laboratory Control Sample				Run: BAL-4-R_071004A				10/04/07 08:27
Solids, Total Suspended TSS @ 105 C	180	mg/L	5.0	88	85	115			
Sample ID: R07100001-001BDUP	Sample Duplicate				Run: BAL-4-R_071004A				10/04/07 00:00
Solids, Total Suspended TSS @ 105 C	48	mg/L	5.0				2.1	20	
Method: A3114 B								Batch: C_SE3114-071011	
Sample ID: MBLK	Method Blank				Run: SUB-C91121				10/11/07 16:54
Selenium	ND	mg/L	0.0004						
Sample ID: 301-98-4	Laboratory Control Sample				Run: SUB-C91121				10/11/07 17:14
Selenium	0.050	mg/L	0.0010	100	90	110			
Method: A3114 B								Batch: C_SEIV3114-071010	
Sample ID: MBLK	Method Blank				Run: SUB-C91026				10/10/07 10:23
Selenium-IV	ND	mg/L	0.0002						
Sample ID: R07090389-001H	Sample Matrix Spike				Run: SUB-C91026				10/10/07 10:46
Selenium-IV	0.044	mg/L	0.0010	88	85	115			
Sample ID: R07090389-001H	Sample Matrix Spike Duplicate				Run: SUB-C91026				10/10/07 10:48
Selenium-IV	0.045	mg/L	0.0010	91	85	115	2.6	10	
Sample ID: 301-98-4	Laboratory Control Sample				Run: SUB-C91026				10/10/07 10:51
Selenium-IV	0.046	mg/L	0.0010	93	90	110			
Method: A3500-Cr B								Batch: 100307A	
Sample ID: MBLK	Method Blank				Run: SPEC1_071003A				10/03/07 08:30
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_071003A				10/03/07 08:30
Chromium, Hexavalent	0.20	mg/L	0.0050	101	80	120			
Sample ID: R07100001-001B	Sample Matrix Spike				Run: SPEC1_071003A				10/03/07 08:30
Chromium, Hexavalent	0.20	mg/L	0.0050	99	80	120			
Method: A4500-H B								Batch: 071002_1_PH-W	
Sample ID: LCS_pH-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A				10/02/07 18:08
pH	6.85	s.u.	0.010	100	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A9222 D								Batch: 070929-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_070929A			09/29/07 08:15	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_16355
Sample ID: MB-16355	Method Blank				Run: SUB-C90934				10/08/07 19:39
Boron	0.1	mg/L	0.01						
Iron	ND	mg/L	0.009						
Zinc	0.002	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	ND	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90934				10/08/07 19:42
Boron	0.61	mg/L	0.10	122	90	110			S
Iron	0.48	mg/L	0.030	95	90	110			
Zinc	0.48	mg/L	0.010	96	90	110			
Calcium	44	mg/L	0.50	88	90	110			S
Magnesium	44	mg/L	0.50	88	90	110			S
Potassium	49	mg/L	0.50	98	90	110			
Sodium	49	mg/L	0.53	99	90	110			
Sample ID: MB-16355	Method Blank				Run: SUB-C91017				10/09/07 15:49
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Zinc	ND	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	ND	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C91017				10/09/07 16:06
Boron	0.51	mg/L	0.10	101	90	110			
Iron	0.51	mg/L	0.030	102	90	110			
Zinc	0.51	mg/L	0.010	101	90	110			
Calcium	47	mg/L	0.50	93	90	110			
Magnesium	47	mg/L	0.50	93	90	110			
Potassium	49	mg/L	0.50	98	90	110			
Silica	0.51	mg/L	0.10	102	90	110			
Sodium	49	mg/L	0.53	98	90	110			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R90934
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C90934				10/08/07 14:46
Silica	2.0	mg/L	0.10	98	85	125			
Boron	1.9	mg/L	0.10	95	85	125			
Iron	1.9	mg/L	0.030	96	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C90934				10/08/07 14:49
Calcium	25	mg/L	0.50	102	85	125			
Magnesium	25	mg/L	0.50	100	85	125			
Potassium	28	mg/L	0.50	110	85	125			
Sodium	25	mg/L	0.76	102	85	125			
Sample ID: C07100214-001CMS	Sample Matrix Spike				Run: SUB-C90934				10/08/07 17:18
Boron	9.32	mg/L	0.10	93	70	130			
Iron	9.09	mg/L	0.046	91	70	130			
Calcium	449	mg/L	1.0	84	70	130			
Magnesium	432	mg/L	0.50	84	70	130			
Potassium	1130	mg/L	0.50	93	70	130			
Silica	16.0	mg/L	0.20	85	70	130			
Sodium	681	mg/L	7.6	86	70	130			
Sample ID: C07100214-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C90934				10/08/07 17:21
Boron	9.66	mg/L	0.10	97	70	130	3.6	20	
Iron	9.41	mg/L	0.046	94	70	130	3.5	20	
Calcium	459	mg/L	1.0	86	70	130	2.1	20	
Magnesium	439	mg/L	0.50	86	70	130	1.7	20	
Potassium	1150	mg/L	0.50	95	70	130	1.7	20	
Silica	16.4	mg/L	0.20	90	70	130	2.5	20	
Sodium	698	mg/L	7.6	90	70	130	2.5	20	
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C90934				10/08/07 22:59
Silica	1.8	mg/L	0.10	91	85	125			
Boron	1.9	mg/L	0.10	94	85	125			
Iron	1.8	mg/L	0.030	88	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C90934				10/08/07 23:02
Potassium	27	mg/L	0.50	109	85	125			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16355
Sample ID: MB-16355	Method Blank				Run: SUB-C90947				10/08/07 21:39
Aluminum	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	0.0002						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	0.0002						
Uranium	5E-05	mg/L	4E-05						
Vanadium	ND	mg/L	0.0001						
Sample ID: LCS1-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:46
Aluminum	0.018	mg/L	0.10	92	80	120			
Arsenic	0.019	mg/L	0.0010	97	80	120			
Barium	0.019	mg/L	0.10	95	80	120			
Cadmium	0.019	mg/L	0.010	96	80	120			
Chromium	0.020	mg/L	0.050	102	80	120			
Copper	0.019	mg/L	0.010	97	80	120			
Lead	0.019	mg/L	0.050	93	80	120			
Manganese	0.020	mg/L	0.010	98	80	120			
Molybdenum	0.019	mg/L	0.10	96	80	120			
Nickel	0.019	mg/L	0.050	94	80	120			
Selenium	0.098	mg/L	0.0010	98	80	120			
Silver	0.0085	mg/L	0.010	43	80	120			S
Uranium	0.019	mg/L	0.00030	93	80	120			
Vanadium	0.020	mg/L	0.10	98	80	120			
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:53
Aluminum	0.49	mg/L	0.10	99	85	115			
Arsenic	0.50	mg/L	0.0013	100	85	115			
Barium	0.50	mg/L	0.10	99	85	115			
Cadmium	0.50	mg/L	0.010	99	85	115			
Chromium	0.50	mg/L	0.050	100	85	115			
Copper	0.49	mg/L	0.010	97	85	115			
Lead	0.49	mg/L	0.050	98	85	115			
Manganese	0.50	mg/L	0.010	101	85	115			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16355
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:53
Molybdenum	0.50	mg/L	0.10	101	85	115			
Nickel	0.50	mg/L	0.050	100	85	115			
Selenium	0.52	mg/L	0.0022	103	85	115			
Silver	0.094	mg/L	0.010	47	85	115			S
Uranium	0.50	mg/L	0.00038	100	85	115			
Vanadium	0.50	mg/L	0.10	101	85	115			
Sample ID: C07100221-004D MS4	Post Digestion Spike				Run: SUB-C90947				10/08/07 23:54
Aluminum	0.56	mg/L	0.10		70	130			A
Arsenic	0.074	mg/L	0.0010	98	70	130			
Barium	0.100	mg/L	0.10	102	70	130			
Cadmium	0.069	mg/L	0.010	98	70	130			
Chromium	0.070	mg/L	0.050	99	70	130			
Copper	0.071	mg/L	0.010	100	70	130			
Lead	0.072	mg/L	0.050	101	70	130			
Manganese	2.5	mg/L	0.010		70	130			A
Mercury	0.0059	mg/L	0.0010	85	70	130			
Molybdenum	0.071	mg/L	0.10	101	70	130			
Nickel	0.075	mg/L	0.050	100	70	130			
Selenium	0.14	mg/L	0.0010	90	70	130			
Silver	0.028	mg/L	0.010	70	70	130			
Thorium 232	0.072	mg/L	0.0010	103	70	130			
Uranium	0.073	mg/L	0.00030	104	70	130			
Vanadium	0.072	mg/L	0.10	100	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07100221-004D MSD4	Post Digestion Spike Duplicate				Run: SUB-C90947				10/09/07 00:24
Aluminum	0.66	mg/L	0.10		70	130	16	20	A
Arsenic	0.074	mg/L	0.0010	98	70	130	0.2	20	
Barium	0.10	mg/L	0.10	103	70	130	1.1	20	
Cadmium	0.069	mg/L	0.010	98	70	130	0.6	20	
Chromium	0.069	mg/L	0.050	98	70	130	1.1	20	
Copper	0.072	mg/L	0.010	101	70	130	1.2	20	
Lead	0.072	mg/L	0.050	100	70	130	0.5	20	
Manganese	2.5	mg/L	0.010		70	130	0.1	20	A
Molybdenum	0.071	mg/L	0.10	101	70	130	0.0	20	
Nickel	0.076	mg/L	0.050	102	70	130	1.3	20	
Selenium	0.13	mg/L	0.0010	89	70	130	1.8	20	
Silver	0.025	mg/L	0.010	63	70	130	12	20	S
Thorium 232	0.071	mg/L	0.0010	101	70	130	1.6	20	
Uranium	0.073	mg/L	0.00030	104	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16355
Sample ID: C07100221-004D MSD4	Post Digestion Spike Duplicate				Run: SUB-C90947				10/09/07 00:24
Vanadium	0.072	mg/L	0.10	100	70	130	0.0	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Method: E200.8									Batch: C_16362
Sample ID: MB-16362	Method Blank				Run: SUB-C90947				10/09/07 00:39
Uranium	ND	mg/L	4E-05						
Sample ID: LCS1-16362	Laboratory Control Sample				Run: SUB-C90947				10/09/07 00:46
Uranium	0.0219	mg/L	0.00030	104	80	120			
Sample ID: LCS-16362	Laboratory Control Sample				Run: SUB-C90947				10/09/07 00:54
Uranium	1.05	mg/L	0.00037	100	85	115			
Sample ID: C07100221-004FMS4	Post Digestion Spike				Run: SUB-C90947				10/09/07 04:10
Thorium 232	0.535	mg/L	0.0010	107	70	130			
Uranium	0.541	mg/L	0.00035	108	70	130			
Sample ID: C07100221-004FMSD4	Post Digestion Spike Duplicate				Run: SUB-C90947				10/09/07 04:18
Thorium 232	0.536	mg/L	0.0010	107	70	130	0.3	20	
Uranium	0.541	mg/L	0.00035	108	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: LRB	Method Blank				Run: SUB-C90827				10/04/07 12:35
Aluminum	ND	mg/L	0.0002						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	0.0002	mg/L	0.0002						
Chromium	ND	mg/L	0.0001						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	2E-05						
Manganese	3E-05	mg/L	3E-05						
Mercury	7E-05	mg/L	6E-06						
Molybdenum	0.0005	mg/L	7E-05						
Nickel	0.0003	mg/L	8E-05						
Selenium	ND	mg/L	0.0004						
Silver	ND	mg/L	3E-05						
Thorium 232	0.00010	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	9E-05						
Zinc	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90827				10/04/07 12:42
Aluminum	0.0497	mg/L	0.0010	99	85	115			
Arsenic	0.0496	mg/L	0.0010	99	85	115			
Barium	0.0490	mg/L	0.0010	98	85	115			
Cadmium	0.0500	mg/L	0.0010	100	85	115			
Chromium	0.0493	mg/L	0.0010	99	85	115			
Copper	0.0504	mg/L	0.0010	101	85	115			
Lead	0.0498	mg/L	0.0010	100	85	115			
Manganese	0.0492	mg/L	0.0010	98	85	115			
Mercury	0.00506	mg/L	0.0010	100	85	115			
Molybdenum	0.0504	mg/L	0.0010	100	85	115			
Nickel	0.0506	mg/L	0.0010	101	85	115			
Selenium	0.0495	mg/L	0.0010	99	85	115			
Silver	0.0197	mg/L	0.0010	98	85	115			
Thorium 232	0.0499	mg/L	0.0010	100	85	115			
Uranium	0.0504	mg/L	0.00030	101	85	115			
Vanadium	0.0497	mg/L	0.0010	99	85	115			
Zinc	0.0528	mg/L	0.0021	106	85	115			
Sample ID: C07100175-002EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 20:17
Thorium 232	0.0494	mg/L	0.0010	99	70	130			
Aluminum	0.0420	mg/L	0.10	84	70	130			
Arsenic	0.0538	mg/L	0.0010	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: C07100175-002EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 20:17
Barium	0.272	mg/L	0.10		70	130			A
Cadmium	0.0498	mg/L	0.0010	100	70	130			
Chromium	0.0498	mg/L	0.050	96	70	130			
Copper	0.0585	mg/L	0.010	96	70	130			
Lead	0.0575	mg/L	0.0010	99	70	130			
Manganese	0.0472	mg/L	0.010	92	70	130			
Mercury	0.00492	mg/L	0.0010	98	70	130			
Molybdenum	0.0518	mg/L	0.10	100	70	130			
Nickel	0.0556	mg/L	0.050	97	70	130			
Selenium	0.0546	mg/L	0.0010	107	70	130			
Silver	0.0135	mg/L	0.010	68	70	130			S
Uranium	0.0619	mg/L	0.00030	101	70	130			
Vanadium	0.0529	mg/L	0.10	99	70	130			
Zinc	0.181	mg/L	0.010	100	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07100175-002EMSD4	Post Digestion Spike Duplicate				Run: SUB-C90827				10/04/07 20:24
Thorium 232	0.0517	mg/L	0.0010	103	70	130	4.5	20	
Aluminum	0.0420	mg/L	0.10	84	70	130	0.0	20	
Arsenic	0.0545	mg/L	0.0010	105	70	130	1.2	20	
Barium	0.272	mg/L	0.10		70	130	0.1	20	A
Cadmium	0.0497	mg/L	0.0010	99	70	130	0.2	20	
Chromium	0.0506	mg/L	0.050	97	70	130	1.5	20	
Copper	0.0591	mg/L	0.010	97	70	130	1.0	20	
Lead	0.0580	mg/L	0.0010	100	70	130	0.8	20	
Manganese	0.0482	mg/L	0.010	95	70	130	2.1	20	
Mercury	0.00507	mg/L	0.0010	101	70	130	2.9	20	
Molybdenum	0.0520	mg/L	0.10	100	70	130	0.0	20	
Nickel	0.0565	mg/L	0.050	99	70	130	1.6	20	
Selenium	0.0549	mg/L	0.0010	107	70	130	0.7	20	
Silver	0.0176	mg/L	0.010	88	70	130	26	20	R
Uranium	0.0634	mg/L	0.00030	104	70	130	2.5	20	
Vanadium	0.0539	mg/L	0.10	101	70	130	0.0	20	
Zinc	0.182	mg/L	0.010	102	70	130	0.5	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90827				10/05/07 01:53
Arsenic	0.0494	mg/L	0.0010	99	85	115			
Barium	0.0496	mg/L	0.0010	99	85	115			
Cadmium	0.0486	mg/L	0.0010	97	85	115			
Chromium	0.0474	mg/L	0.0010	95	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90827				10/05/07 01:53
Copper	0.0495	mg/L	0.0010	99	85	115			
Lead	0.0495	mg/L	0.0010	99	85	115			
Manganese	0.0477	mg/L	0.0010	95	85	115			
Molybdenum	0.0497	mg/L	0.0010	99	85	115			
Nickel	0.0486	mg/L	0.0010	97	85	115			
Selenium	0.0500	mg/L	0.0010	100	85	115			
Thorium 232	0.0482	mg/L	0.0010	96	85	115			
Uranium	0.0495	mg/L	0.00030	99	85	115			
Vanadium	0.0477	mg/L	0.0010	95	85	115			
Zinc	0.0512	mg/L	0.0021	102	85	115			
Method: E300.0									Batch: R31638
Sample ID: LFB0710013150-3	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:24
Fluoride	1.98	mg/L	0.10	99	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Sample ID: LFB0710013150-4	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:40
Fluoride	1.87	mg/L	0.10	94	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Sample ID: R07100001-001BMS	Sample Matrix Spike				Run: DIONEX_071001A				10/01/07 21:13
Fluoride	39.0	mg/L	1.3	97	80	120			
Nitrogen, Nitrate as N	46.8	mg/L	0.34	94	80	120			
Sample ID: R07100001-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071001A				10/01/07 21:29
Fluoride	35.4	mg/L	1.3	89	80	120	9.6	10	
Nitrogen, Nitrate as N	44.3	mg/L	0.34	89	80	120	5.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31689
Sample ID: LFB0710040616-3	Laboratory Fortified Blank				Run: DIONEX_071004A				10/04/07 19:28
Chloride	5.09	mg/L	0.50	102	90	110			
Sulfate	14.4	mg/L	1.0	96	90	110			
Sample ID: LFB0710040616-4	Laboratory Fortified Blank				Run: DIONEX_071004A				10/04/07 19:44
Chloride	4.53	mg/L	0.50	91	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: R07100091-001AMS	Sample Matrix Spike				Run: DIONEX_071004A				10/04/07 23:51
Chloride	194	mg/L	0.50		80	120			A
Sulfate	32.9	mg/L	1.0	77	80	120			S
Sample ID: R07100091-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071004A				10/05/07 00:07
Chloride	194	mg/L	0.50		80	120	0.2	10	A
Sulfate	32.0	mg/L	1.0	71	80	120	2.6	10	S
Method: E900.0									Batch: C_GrAB-0330
Sample ID: MB-GrAB-0330	Method Blank				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0330	Laboratory Control Sample				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	300	pCi/L	1.0	104	70	130			
Sample ID: C07090855-001AMS	Sample Matrix Spike				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	400	pCi/L	1.0	72	70	130			
Sample ID: C07090855-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	400	pCi/L	1.0	70	70	130	3.2	13.9	
Sample ID: C07090855-001AMS	Sample Matrix Spike				Run: SUB-C91156				10/10/07 22:43
Gross Beta	200	pCi/L	2.0	88	70	130			
Sample ID: C07090855-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91156				10/10/07 22:43
Gross Beta	200	pCi/L	2.0	95	70	130	8.3	15.6	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R90863
Sample ID: LCS-R90863	Laboratory Control Sample				Run: SUB-C90863				10/04/07 15:30
Americium 241	730	pCi/L	20	90	70	130			
Cesium 137	1100	pCi/L	20	80	70	130			
Potassium 40	7200	pCi/L	20	108	70	130			
Sample ID: MB-R90863	Method Blank				Run: SUB-C90863				10/04/07 15:30
Americium 241	ND	pCi/L	20						
Barium 133	ND	pCi/L	20						
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Method: E903.0									Batch: C_RA226-2351
Sample ID: R07090368-004E	Sample Matrix Spike				Run: SUB-C91326				10/15/07 12:20
Radium 226	20	pCi/L	0.20	93	70	130			
Sample ID: R07090368-004E	Sample Matrix Spike Duplicate				Run: SUB-C91326				10/15/07 12:20
Radium 226	19	pCi/L	0.20	93	70	130	1.4	28.6	
Sample ID: MB-RA226-2351	Method Blank				Run: SUB-C91326				10/15/07 13:35
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2351	Laboratory Control Sample				Run: SUB-C91326				10/15/07 13:35
Radium 226	13	pCi/L	0.20	106	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0								Batch: C_RA226-2384	
Sample ID: C07100798-002AMS	Sample Matrix Spike				Run: SUB-C92054			10/30/07 15:07	
Radium 226	48	pCi/L	0.20	92	70	130			
- MS and MSD were inadvertently spiked at double the standard amount.									
Sample ID: C07100798-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C92054			10/30/07 15:07	
Radium 226	60	pCi/L	0.20	120	70	130	22	21	R
- MS and MSD were inadvertently spiked at double the standard amount.									
- The RPD for the spike is high. The individual Spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-RA226-2384	Method Blank				Run: SUB-C92054			10/30/07 16:33	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2384	Laboratory Control Sample				Run: SUB-C92054			10/30/07 16:33	
Radium 226	13	pCi/L	0.20	104	70	130			
Method: E907.0								Batch: C_16513	
Sample ID: R07090368-002G	Sample Duplicate				Run: SUB-C92213			10/26/07 10:00	
Thorium 230	ND	pCi/L	0.20		70	130	0.0	30	
Sample ID: R07090368-004G	Sample Matrix Spike				Run: SUB-C92213			10/26/07 10:00	
Thorium 230	51.0	pCi/L	0.20	88	70	130			
Method: E907.0								Batch: C_R92443	
Sample ID: LCS-R92443	Laboratory Control Sample				Run: SUB-C92443			10/29/07 15:00	
Thorium 230	5.7	pCi/L	0.20	97	70	130			
Sample ID: R07090385-003E	Sample Matrix Spike				Run: SUB-C92443			10/29/07 15:00	
Thorium 230	21	pCi/L	0.20	105	70	130			
Sample ID: R07090385-003E	Sample Matrix Spike Duplicate				Run: SUB-C92443			10/29/07 15:00	
Thorium 230	21	pCi/L	0.20	106	70	130	0.5	30	
Sample ID: MB-R92443	Method Blank				Run: SUB-C92443			10/29/07 15:00	
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_16513
Sample ID: R07090368-002G	Sample Duplicate				Run: SUB-C92379				10/24/07 07:00
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: R07090368-004G	Sample Matrix Spike				Run: SUB-C92379				10/24/07 07:00
Lead 210	430	pCi/L	1.0	106	70	130			
Sample ID: MB-R92379	Method Blank				Run: SUB-C92379				10/24/07 07:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R92379	Laboratory Control Sample				Run: SUB-C92379				10/24/07 07:00
Lead 210	80	pCi/L	1.0	100	70	130			
Method: E909.0M									Batch: C_R92396
Sample ID: R07090368-002E	Sample Duplicate				Run: SUB-C92396				10/25/07 11:25
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: C07100214-001EMS	Sample Matrix Spike				Run: SUB-C92396				10/25/07 11:25
Lead 210	480	pCi/L	1.0	118	70	130			
Sample ID: MB-R92396	Method Blank				Run: SUB-C92396				10/25/07 11:25
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R92396	Laboratory Control Sample				Run: SUB-C92396				10/25/07 11:25
Lead 210	94	pCi/L	1.0	116	70	130			
Method: RMO-3008									Batch: C_R91990
Sample ID: C07100085-005FMS	Sample Matrix Spike				Run: SUB-C91990				10/25/07 16:00
Polonium 210	43	pCi/L	1.0	76	70	130			
Sample ID: C07100085-005FMSD	Sample Matrix Spike Duplicate				Run: SUB-C91990				10/25/07 16:00
Polonium 210	45	pCi/L	1.0	80	70	130	5.6	30	
Sample ID: MB-R91990	Method Blank				Run: SUB-C91990				10/25/07 16:00
Polonium 210	ND	pCi/L	1						
Sample ID: LCS-R91990	Laboratory Control Sample				Run: SUB-C91990				10/25/07 16:00
Polonium 210	20	pCi/L	1.0	90	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R92111
Sample ID: MB-R92111	Method Blank				Run: SUB-C92111				10/29/07 13:00
Polonium 210	ND	pCi/L	1						
Sample ID: LCS-R92111	Laboratory Control Sample				Run: SUB-C92111				10/29/07 13:00
Polonium 210	17	pCi/L	1.0	78	70	130			
Sample ID: C07100214-005EMS	Sample Matrix Spike				Run: SUB-C92111				10/29/07 13:00
Polonium 210	170	pCi/L	1.0	77	70	130			
Sample ID: C07100214-005EMSD	Sample Matrix Spike Duplicate				Run: SUB-C92111				10/29/07 13:00
Polonium 210	170	pCi/L	1.0	77	70	130	0.3	30	

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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 2

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

Company Name: RESREC

Project Name, PWS #, Permit #, Etc.: Power Tech Dewey Burdock

Report Mail Address:

Contact Name, Phone, Fax, E-mail: Cory.Foreman@resrec.com ~~Zell~~ 605-381-0024

Sampler Name if other than Contact: Eric Crantz 605-381-9800

Invoice Address:

Invoice Contact & Phone #: Cory Foreman 605-381-0024

Purchase Order #:

ELI Quote #:

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED: See Quote

SEE ATTACHED

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

Receipt Temp 6.1 °C on ice

Cooler ID(s)

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B C; Air Water Soils/Solids Vegetation Bioassay Other)	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID (LABORATORY USE ONLY)
1	Dew Burd BVC04	9/28/07	8:16	W			Surface water	0707160001-001
2	Dew Burd GW628	9/28/07	9:23	W			GW	
3	Dew Burd GW675	9/28/07	10:49	W			GW	
4	Dew Burd GW 42	9/28/07	11:34	W			GW	
5	Dew Burd GW677	9/28/07	12:26	W			GW	
6	Dew Burd GW676	9/28/07	13:46	W			GW	
7	Dew Burd GW679	9/28/07	15:04	W			GW	
8	Dew Burd GW 678	9/28/07	16:22	W			GW	
9	Dew Burd GW 7002	9/28/07	17:48	W			GW	
10	Dew Burd GW7	9/28/07	17:28	W			GW	

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 9/29/07 0758 — Shipped by: — Received by: — Date/Time:

Relinquished by: — Date/Time: — Shipped by: — Received by: [signature] Date/Time: 9/29/07 0758

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

LABORATORY USE ONLY — Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

December 26, 2007

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

Workorder No.: R07100295 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 10/18/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07100295-001	DewBurdBVC04	10/17/07 12:15	10/18/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07100295-002	DewBurdCHR01	10/17/07 14:00	10/18/07	Aqueous	Same As Above
R07100295-003	DewBurdBVC01	10/17/07 14:45	10/18/07	Aqueous	Same As Above
R07100295-004	DewBurdCHR05`	10/17/07 16:00	10/18/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-001
Client Sample ID: DewBurdBVC04

Report Date: 12/26/07
Collection Date: 10/17/07 12:15
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	62	CFU/100ml	D	2		2	A9222 D	10/18/07 10:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	166	mg/L		5		1	A2320 B	10/29/07 14:30/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/29/07 14:30/sn
Bicarbonate as HCO3	202	mg/L		5		1	A2320 B	10/29/07 14:30/sn
Calcium	382	mg/L		1		10	E200.7	11/02/07 16:19/eli-c
Chloride	1540	mg/L	D	4		100	E300.0	10/24/07 15:25/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	10/19/07 23:54/jmh
Magnesium	210	mg/L		1		10	E200.7	11/02/07 16:19/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	10/25/07 16:58/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/19/07 23:54/jmh
Potassium	9	mg/L		1		1	E200.7	11/02/07 17:01/eli-c
Silica	2	mg/L		1		1	E200.7	11/02/07 17:01/eli-c
Sodium	1160	mg/L	D	8		10	E200.7	11/02/07 16:19/eli-c
Sulfate	2670	mg/L	D	70		100	E300.0	10/24/07 15:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	7130	umhos/cm		5		1	A2510 B	10/31/07 16:15/jmh
pH	7.94	s.u.		0.01		1	A4500-H B	10/24/07 12:29/jmh
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	11/05/07 10:15/eli-c
Solids, Suspended Sediment SSC @ 105 C	5820	mg/L		5		1	D3977	10/26/07 16:12/sn
Solids, Total Dissolved TDS @ 180 C	5800	mg/L		5		1	A2540 C	10/19/07 14:07/jmh
Solids, Total Suspended TSS @ 105 C	16	mg/L		5		1	A2540 D	10/24/07 14:45/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/24/07 03:53/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/24/07 03:53/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/24/07 03:53/eli-c
Boron	0.6	mg/L		0.1		1	E200.7	11/02/07 17:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/24/07 03:53/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/24/07 03:53/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/24/07 03:53/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/02/07 17:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/24/07 03:53/eli-c
Manganese	0.16	mg/L		0.01		1	E200.8	10/24/07 03:53/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/24/07 03:53/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/24/07 03:53/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-001
Client Sample ID: DewBurdBVC04

Report Date: 12/26/07
Collection Date: 10/17/07 12:15
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	10/24/07 03:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/24/07 03:53/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/24/07 03:53/eli-c
Uranium	0.0230	mg/L		0.0003		1	E200.8	10/24/07 03:53/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/24/07 03:53/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/24/07 03:53/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	10/29/07 18:26/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/29/07 18:26/eli-c
METALS - TOTAL								
Aluminum	0.6	mg/L		0.1		1	E200.8	10/24/07 14:12/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/24/07 14:12/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/24/07 14:12/eli-c
Boron	0.6	mg/L		0.1		1	E200.7	11/02/07 17:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/24/07 14:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/24/07 14:12/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	10/18/07 09:30/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/16/07 15:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/24/07 14:12/eli-c
Iron	0.39	mg/L		0.03		1	E200.7	11/02/07 17:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/24/07 14:12/eli-c
Manganese	0.18	mg/L		0.01		1	E200.8	10/24/07 14:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/24/07 14:12/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/24/07 14:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/24/07 14:12/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/24/07 14:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/24/07 14:12/eli-c
Uranium	0.0239	mg/L		0.0003		1	E200.8	10/24/07 14:12/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/24/07 14:12/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/24/07 14:12/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/02/07 11:45/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/31/07 10:17/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/07 10:30/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-001
Client Sample ID: DewBurdBVC04

Report Date: 12/26/07
Collection Date: 10/17/07 12:15
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/02/07 11:53/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/31/07 10:25/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/07 10:30/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/01/07 08:25/eli-c
Polonium 210	3.0	pCi/L		1.0		1	RMO-3008	11/16/07 13:00/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	11/16/07 13:00/eli-c
Radium 226	0.5	pCi/L		0.2		1	E903.0	11/05/07 08:58/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	11/05/07 08:58/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/02/07 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/09/07 09:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/06/07 13:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	11/07/07 16:49/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	26.6	pCi/L		1.0		1	E900.0	11/09/07 13:02/eli-c
Gross Alpha precision (±)	5.4	pCi/L				1	E900.0	11/09/07 13:02/eli-c
Gross Beta	14.0	pCi/L		2.0		1	E900.0	11/09/07 13:02/eli-c
Gross Beta precision (±)	14.1	pCi/L				1	E900.0	11/09/07 13:02/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	10/23/07 19:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.07	%				1	A1030 E	12/16/07 15:29/eli-c
Anions	94.5	meq/L				1	A1030 E	12/16/07 15:29/eli-c
Cations	87.1	meq/L				1	A1030 E	12/16/07 15:29/eli-c
Solids, Total Dissolved Calculated	5700	mg/L				1	A1030 E	12/16/07 15:29/eli-c
TDS Balance (0.80 - 1.20)	1.01	dec. %				1	A1030 E	12/16/07 15:29/eli-c

- Ion Balance achieved using Sulfate from E200.7.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-002
Client Sample ID: DewBurdCHR01

Report Date: 12/26/07
Collection Date: 10/17/07 14:00
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	4	CFU/100ml	D	2		2	A9222 D	10/18/07 10:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	320	mg/L		5		1	A2320 B	10/29/07 14:34/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/29/07 14:34/sn
Bicarbonate as HCO3	390	mg/L		5		1	A2320 B	10/29/07 14:34/sn
Calcium	398	mg/L		1		10	E200.7	11/02/07 16:22/eli-c
Chloride	166	mg/L		1		20	E300.0	10/20/07 00:10/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	10/20/07 00:25/jmh
Magnesium	189	mg/L		1		10	E200.7	11/02/07 16:22/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	10/25/07 16:59/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/20/07 00:25/jmh
Potassium	15	mg/L		1		1	E200.7	11/02/07 17:05/eli-c
Silica	13	mg/L		1		1	E200.7	11/02/07 17:05/eli-c
Sodium	1360	mg/L	D	8		10	E200.7	11/02/07 16:22/eli-c
Sulfate	4060	mg/L	D	70		100	E300.0	10/24/07 15:41/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6940	umhos/cm		5		1	A2510 B	10/31/07 16:16/jmh
pH	7.57	s.u.		0.01		1	A4500-H B	10/24/07 12:30/jmh
Sodium Adsorption Ratio (SAR)	14	unitless		0.10		1	Calculation	11/05/07 10:15/eli-c
Solids, Suspended Sediment SSC @ 105 C	6170	mg/L		5		1	D3977	10/26/07 16:13/sn
Solids, Total Dissolved TDS @ 180 C	6500	mg/L		5		1	A2540 C	10/19/07 14:07/jmh
Solids, Total Suspended TSS @ 105 C	12	mg/L		5		1	A2540 D	10/24/07 14:45/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/24/07 04:00/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/24/07 04:00/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/24/07 04:00/eli-c
Boron	0.3	mg/L		0.1		1	E200.7	11/02/07 17:05/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/24/07 04:00/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/24/07 04:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/24/07 04:00/eli-c
Iron	0.03	mg/L		0.03		1	E200.7	11/02/07 17:05/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/24/07 04:00/eli-c
Manganese	2.75	mg/L		0.01		1	E200.8	10/24/07 04:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/24/07 04:00/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/24/07 04:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-002
Client Sample ID: DewBurdCHR01

Report Date: 12/26/07
Collection Date: 10/17/07 14:00
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	10/24/07 04:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/24/07 04:00/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/24/07 04:00/eli-c
Uranium	0.0308	mg/L		0.0003		1	E200.8	10/24/07 04:00/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/24/07 04:00/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/24/07 04:00/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	10/29/07 18:56/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/29/07 18:56/eli-c
METALS - TOTAL								
Aluminum	0.6	mg/L		0.1		1	E200.8	10/24/07 14:19/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	10/24/07 14:19/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/24/07 14:19/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	11/02/07 17:34/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/24/07 14:19/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/24/07 14:19/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	10/18/07 09:30/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/16/07 15:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/24/07 14:19/eli-c
Iron	0.95	mg/L		0.03		1	E200.7	11/02/07 17:34/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/24/07 14:19/eli-c
Manganese	2.94	mg/L		0.01		1	E200.8	10/24/07 14:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/24/07 14:19/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/24/07 14:19/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/24/07 14:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/24/07 14:19/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/24/07 14:19/eli-c
Uranium	0.0320	mg/L		0.0003		1	E200.8	10/24/07 14:19/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/24/07 14:19/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/24/07 14:19/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/02/07 11:47/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/31/07 10:19/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/07 10:30/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-002
Client Sample ID: DewBurdCHR01

Report Date: 12/26/07
Collection Date: 10/17/07 14:00
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/02/07 11:56/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/31/07 10:27/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/07 10:30/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	3.2	pCi/L		1.0		1	E909.0M	11/01/07 08:25/eli-c
Lead 210 precision (±)	0.80	pCi/L				1	E909.0M	11/01/07 08:25/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	11/16/07 13:00/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	11/16/07 13:00/eli-c
Radium 226	0.5	pCi/L		0.2		1	E903.0	11/05/07 09:59/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	11/05/07 09:59/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/02/07 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/09/07 09:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/06/07 13:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	11/07/07 16:49/eli-c
Thorium 230	0.9	pCi/L		0.2		1	E907.0	10/31/07 15:00/eli-c
Thorium 230 precision (±)	0.5	pCi/L				1	E907.0	10/31/07 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	34.2	pCi/L		1.0		1	E900.0	11/09/07 13:02/eli-c
Gross Alpha precision (±)	5.7	pCi/L				1	E900.0	11/09/07 13:02/eli-c
Gross Beta	21.3	pCi/L		2.0		1	E900.0	11/09/07 13:02/eli-c
Gross Beta precision (±)	14.2	pCi/L				1	E900.0	11/09/07 13:02/eli-c
Gross Gamma	1070	pCi/L		20.0		1	E901.1	10/23/07 19:30/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	10/23/07 19:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.301	%				1	A1030 E	12/16/07 15:37/eli-c
Anions	95.6	meq/L				1	A1030 E	12/16/07 15:37/eli-c
Cations	95.0	meq/L				1	A1030 E	12/16/07 15:37/eli-c
Solids, Total Dissolved Calculated	6370	mg/L				1	A1030 E	12/16/07 15:37/eli-c
TDS Balance (0.80 - 1.20)	1.03	dec. %				1	A1030 E	12/16/07 15:37/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-003
Client Sample ID: DewBurdBVC01

Report Date: 12/26/07
Collection Date: 10/17/07 14:45
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	76	CFU/100ml	D	2		2	A9222 D	10/18/07 10:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	112	mg/L		5		1	A2320 B	10/29/07 14:35/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/29/07 14:35/sn
Bicarbonate as HCO3	137	mg/L		5		1	A2320 B	10/29/07 14:35/sn
Calcium	314	mg/L		1		10	E200.7	11/02/07 16:25/eli-c
Chloride	852	mg/L	D	2		50	E300.0	10/24/07 15:57/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	10/20/07 00:57/jmh
Magnesium	141	mg/L		1		10	E200.7	11/02/07 16:25/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	10/25/07 17:01/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/20/07 00:57/jmh
Potassium	15	mg/L		1		1	E200.7	11/02/07 17:08/eli-c
Silica	ND	mg/L		1		1	E200.7	11/02/07 17:08/eli-c
Sodium	950	mg/L	D	8		10	E200.7	11/02/07 16:25/eli-c
Sulfate	2180	mg/L	D	40		50	E300.0	10/24/07 15:57/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5750	umhos/cm		5		1	A2510 B	10/31/07 16:17/jmh
pH	7.84	s.u.		0.01		1	A4500-H B	10/24/07 12:31/jmh
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	11/05/07 10:15/eli-c
Solids, Suspended Sediment SSC @ 105 C	4510	mg/L		5		1	D3977	10/26/07 16:13/sn
Solids, Total Dissolved TDS @ 180 C	4600	mg/L		5		1	A2540 C	10/19/07 14:08/jmh
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	10/24/07 14:46/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/24/07 04:06/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/24/07 04:06/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/24/07 04:06/eli-c
Boron	0.3	mg/L		0.1		1	E200.7	11/02/07 17:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/24/07 04:06/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/24/07 04:06/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/24/07 04:06/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/02/07 17:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/24/07 04:06/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	10/24/07 04:06/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/24/07 04:06/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/24/07 04:06/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-003
Client Sample ID: DewBurdBVC01

Report Date: 12/26/07
Collection Date: 10/17/07 14:45
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	10/24/07 04:06/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/24/07 04:06/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/24/07 04:06/eli-c
Uranium	0.0097	mg/L		0.0003		1	E200.8	10/24/07 04:06/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/24/07 04:06/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/24/07 04:06/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	10/29/07 19:03/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/29/07 19:03/eli-c
METALS - TOTAL								
Aluminum	0.1	mg/L		0.1		1	E200.8	10/24/07 14:26/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/24/07 14:26/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/24/07 14:26/eli-c
Boron	0.3	mg/L		0.1		1	E200.7	11/02/07 17:37/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/24/07 14:26/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/24/07 14:26/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	10/18/07 09:30/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/16/07 15:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/24/07 14:26/eli-c
Iron	0.13	mg/L		0.03		1	E200.7	11/02/07 17:37/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/24/07 14:26/eli-c
Manganese	0.16	mg/L		0.01		1	E200.8	10/24/07 14:26/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/24/07 14:26/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/24/07 14:26/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/24/07 14:26/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/24/07 14:26/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/24/07 14:26/eli-c
Uranium	0.0097	mg/L		0.0003		1	E200.8	10/24/07 14:26/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/24/07 14:26/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/24/07 14:26/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/02/07 11:49/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/31/07 10:21/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/07 10:30/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-003
Client Sample ID: DewBurdBVC01

Report Date: 12/26/07
Collection Date: 10/17/07 14:45
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/02/07 11:58/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/31/07 10:29/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/07 10:30/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/01/07 08:25/eli-c
Polonium 210	2.6	pCi/L		1.0		1	RMO-3008	11/16/07 13:00/eli-c
Polonium 210 precision (±)	1.6	pCi/L				1	RMO-3008	11/16/07 13:00/eli-c
Radium 226	0.3	pCi/L		0.2		1	E903.0	11/05/07 10:59/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	11/05/07 10:59/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/02/07 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/09/07 09:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/06/07 13:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	11/07/07 16:49/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	10/31/07 15:00/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	10/31/07 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	12.0	pCi/L		1.0		1	E900.0	11/09/07 13:02/eli-c
Gross Alpha precision (±)	2.5	pCi/L				1	E900.0	11/09/07 13:02/eli-c
Gross Beta	2.7	pCi/L		2.0		1	E900.0	11/09/07 13:02/eli-c
Gross Beta precision (±)	7.0	pCi/L				1	E900.0	11/09/07 13:02/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	10/23/07 19:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.92	%				1	A1030 E	12/16/07 15:37/eli-c
Anions	71.6	meq/L				1	A1030 E	12/16/07 15:37/eli-c
Cations	68.9	meq/L				1	A1030 E	12/16/07 15:37/eli-c
Solids, Total Dissolved Calculated	4520	mg/L				1	A1030 E	12/16/07 15:37/eli-c
TDS Balance (0.80 - 1.20)	1.02	dec. %				1	A1030 E	12/16/07 15:37/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-004
Client Sample ID: DewBurdCHR05`

Report Date: 12/26/07
Collection Date: 10/17/07 16:00
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	200	CFU/100ml	D	10		10	A9222 D	10/18/07 10:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	352	mg/L		5		1	A2320 B	10/29/07 14:38/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/29/07 14:38/sn
Bicarbonate as HCO3	429	mg/L		5		1	A2320 B	10/29/07 14:38/sn
Calcium	492	mg/L		1		10	E200.7	11/02/07 16:45/eli-c
Chloride	269	mg/L		1		20	E300.0	10/20/07 01:13/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	10/20/07 01:29/jmh
Magnesium	380	mg/L		1		10	E200.7	11/02/07 16:45/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	10/25/07 17:02/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	10/20/07 01:29/jmh
Potassium	18	mg/L		1		1	E200.7	11/02/07 17:11/eli-c
Silica	10	mg/L		1		1	E200.7	11/02/07 17:11/eli-c
Sodium	1020	mg/L	D	8		10	E200.7	11/02/07 16:45/eli-c
Sulfate	4060	mg/L	D	40		50	E300.0	10/24/07 16:13/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6910	umhos/cm		5		1	A2510 B	10/31/07 16:18/jmh
pH	7.74	s.u.		0.01		1	A4500-H B	10/24/07 12:32/jmh
Sodium Adsorption Ratio (SAR)	8.4	unitless		0.10		1	Calculation	11/05/07 10:15/eli-c
Solids, Suspended Sediment SSC @ 105 C	7040	mg/L		5		1	D3977	10/26/07 16:14/sn
Solids, Total Dissolved TDS @ 180 C	7200	mg/L		5		1	A2540 C	10/19/07 14:08/jmh
Solids, Total Suspended TSS @ 105 C	8	mg/L		5		1	A2540 D	10/24/07 14:46/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/24/07 04:13/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/24/07 04:13/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/24/07 04:13/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	11/02/07 17:11/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/24/07 04:13/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/24/07 04:13/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/24/07 04:13/eli-c
Iron	0.15	mg/L		0.03		1	E200.7	11/02/07 17:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/24/07 04:13/eli-c
Manganese	1.53	mg/L		0.01		1	E200.8	10/24/07 04:13/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/24/07 04:13/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/24/07 04:13/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-004
Client Sample ID: DewBurdCHR05`

Report Date: 12/26/07
Collection Date: 10/17/07 16:00
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	10/24/07 04:13/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/24/07 04:13/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/24/07 04:13/eli-c
Uranium	0.0368	mg/L		0.0003		1	E200.8	10/24/07 04:13/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/24/07 04:13/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/24/07 04:13/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	10/29/07 19:11/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/29/07 19:11/eli-c
METALS - TOTAL								
Aluminum	0.2	mg/L		0.1		1	E200.8	10/24/07 14:33/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/24/07 14:33/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/24/07 14:33/eli-c
Boron	0.3	mg/L		0.1		1	E200.7	11/02/07 17:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/24/07 14:33/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/24/07 14:33/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	10/18/07 09:30/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/16/07 15:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/24/07 14:33/eli-c
Iron	0.84	mg/L		0.03		1	E200.7	11/02/07 17:41/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/24/07 14:33/eli-c
Manganese	1.69	mg/L		0.01		1	E200.8	10/24/07 14:33/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/24/07 14:33/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/24/07 14:33/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/24/07 14:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/24/07 14:33/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/24/07 14:33/eli-c
Uranium	0.0378	mg/L		0.0003		1	E200.8	10/24/07 14:33/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	10/24/07 14:33/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/24/07 14:33/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/02/07 11:51/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/31/07 10:23/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/07 10:30/eli-c

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

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100295-004
Client Sample ID: DewBurdCHR05`

Report Date: 12/26/07
Collection Date: 10/17/07 16:00
Date Received: 10/18/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/02/07 12:00/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	10/31/07 10:31/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	10/31/07 10:30/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	6.6	pCi/L		1.0		1	E909.0M	11/01/07 08:25/eli-c
Lead 210 precision (±)	1.1	pCi/L				1	E909.0M	11/01/07 08:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/16/07 13:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	11/05/07 12:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/02/07 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.0	pCi/L		1.0		1	E909.0M	11/09/07 09:45/eli-c
Lead 210 precision (±)	1.2	pCi/L				1	E909.0M	11/09/07 09:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/06/07 13:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	11/07/07 16:49/eli-c
Thorium 230	0.6	pCi/L		0.2		1	E907.0	10/31/07 15:00/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	10/31/07 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	23.2	pCi/L		1.0		1	E900.0	11/09/07 13:02/eli-c
Gross Alpha precision (±)	5.3	pCi/L				1	E900.0	11/09/07 13:02/eli-c
Gross Beta	11.1	pCi/L		2.0		1	E900.0	11/09/07 13:02/eli-c
Gross Beta precision (±)	14.0	pCi/L				1	E900.0	11/09/07 13:02/eli-c
Gross Gamma	1140	pCi/L		20.0		1	E901.1	10/23/07 19:30/eli-c
Gross Gamma precision (±)	191	pCi/L				1	E901.1	10/23/07 19:30/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.765	%				1	A1030 E	12/16/07 15:38/eli-c
Anions	99.1	meq/L				1	A1030 E	12/16/07 15:38/eli-c
Cations	101	meq/L				1	A1030 E	12/16/07 15:38/eli-c
Solids, Total Dissolved Calculated	6450	mg/L				1	A1030 E	12/16/07 15:38/eli-c
TDS Balance (0.80 - 1.20)	1.11	dec. %				1	A1030 E	12/16/07 15:38/eli-c

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071029A-ALK-SEL-W	
Sample ID: MBLK1_071029A	Method Blank				Run: PH_COND1-R_071029A			10/29/07 12:12	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_071029A	Laboratory Control Sample				Run: PH_COND1-R_071029A			10/29/07 12:15	
Alkalinity, Total as CaCO3	980	mg/L	5.0	98	90	110			
Sample ID: R07100248-008AMS	Sample Matrix Spike				Run: PH_COND1-R_071029A			10/29/07 13:24	
Alkalinity, Total as CaCO3	300	mg/L	5.0	87	80	120			
Sample ID: R07100248-008AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_071029A			10/29/07 13:26	
Alkalinity, Total as CaCO3	330	mg/L	5.0	108	80	120	7.0	20	
Method: A2510 B								Batch: 071031_1_COND-PROBE-W	
Sample ID: LCS1-1_071031	Laboratory Control Sample				Run: PH_COND2-R_071031A			10/31/07 16:09	
Conductivity @ 25 C	149	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_071031	Laboratory Control Sample				Run: PH_COND2-R_071031A			10/31/07 16:11	
Conductivity @ 25 C	4890	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071031	Laboratory Control Sample				Run: PH_COND2-R_071031A			10/31/07 16:12	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071031	Method Blank				Run: PH_COND2-R_071031A			10/31/07 16:12	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 071019A-SLDS-TDS-W	
Sample ID: LCS1_071019A	Laboratory Control Sample				Run: BAL-4-R_071019A			10/19/07 13:47	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	100	90	110			
Sample ID: MBLK1_071019A	Method Blank				Run: BAL-4-R_071019A			10/19/07 13:48	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R07100268-002AMS	Sample Matrix Spike				Run: BAL-4-R_071019A			10/19/07 14:01	
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0	101	80	120			
Sample ID: R07100268-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071019A			10/19/07 14:01	
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0	102	80	120	0.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 071024A-SLDS-TSS-W	
Sample ID: MBLK1_071024A	Method Blank				Run: BAL-4-R_071024A				10/24/07 14:41
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_071024A	Laboratory Control Sample				Run: BAL-4-R_071024A				10/24/07 14:42
Solids, Total Suspended TSS @ 105 C	180	mg/L	5.0	90	85	115			
Method: A3114 B								Batch: C_SE3114-071102	
Sample ID: MBLK	Method Blank				Run: SUB-C92203				11/02/07 11:43
Selenium	ND	mg/L	0.0004						
Sample ID: R07100295-003H	Sample Matrix Spike				Run: SUB-C92203				11/02/07 12:10
Selenium	0.049	mg/L	0.0010	99	85	115			
Sample ID: R07100295-003H	Sample Matrix Spike Duplicate				Run: SUB-C92203				11/02/07 12:12
Selenium	0.048	mg/L	0.0010	95	85	115	3.6	10	
Sample ID: 301-105-5	Laboratory Control Sample				Run: SUB-C92203				11/02/07 12:15
Selenium	0.053	mg/L	0.0010	105	90	110			
Method: A3114 B								Batch: C_SEIV3114-071031	
Sample ID: MBLK	Method Blank				Run: SUB-C92038				10/31/07 10:07
Selenium-IV	0.0009	mg/L	0.0002						
Sample ID: R07100295-001A	Sample Matrix Spike				Run: SUB-C92038				10/31/07 10:38
Selenium-IV	0.0445	mg/L	0.0010	87	85	115			
Sample ID: R07100295-001A	Sample Matrix Spike Duplicate				Run: SUB-C92038				10/31/07 10:40
Selenium-IV	0.0437	mg/L	0.0010	86	85	115	0.0	10	
Sample ID: 301-105-5	Laboratory Control Sample				Run: SUB-C92038				10/31/07 10:46
Selenium-IV	0.048	mg/L	0.0010	97	90	110			

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B									Batch: 102207A
Sample ID: MBLK	Method Blank				Run: SPEC1_071018A				10/18/07 09:30
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_071018A				10/18/07 09:30
Chromium, Hexavalent	0.19	mg/L	0.0050	97	80	120			
Sample ID: R07100295-001E	Sample Matrix Spike				Run: SPEC1_071018A				10/18/07 09:30
Chromium, Hexavalent	0.18	mg/L	0.0050	92	80	120			
Sample ID: R07100295-002E	Sample Matrix Spike				Run: SPEC1_071018A				10/18/07 09:30
Chromium, Hexavalent	0.18	mg/L	0.0050	92	80	120			
Sample ID: R07100295-003E	Sample Matrix Spike				Run: SPEC1_071018A				10/18/07 09:30
Chromium, Hexavalent	0.21	mg/L	0.0050	105	80	120			
Sample ID: R07100295-004E	Sample Matrix Spike				Run: SPEC1_071018A				10/18/07 09:30
Chromium, Hexavalent	0.19	mg/L	0.0050	94	80	120			
Method: A4500-H B									Batch: 071024_1_PH-W
Sample ID: LCS_pH-1_071024	Laboratory Control Sample				Run: PH_COND2-R_071024A				10/24/07 12:28
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R07100295-001CDUP	Sample Duplicate				Run: PH_COND2-R_071024A				10/24/07 12:29
pH	7.96	s.u.	0.010				0.3	1.25	
Method: A4500-NH3 G									Batch: A2007-10-25_2_NH3_01
Sample ID: MBLK-1	Method Blank				Run: TECHAA2-R_071025A				10/25/07 14:34
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_071025A				10/25/07 14:37
Nitrogen, Ammonia as N	0.25	mg/L	0.10	100	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_071025A				10/25/07 14:38
Nitrogen, Ammonia as N	0.25	mg/L	0.10	102	90	110			
Sample ID: R07100288-002BMS	Sample Matrix Spike				Run: TECHAA2-R_071025A				10/25/07 16:55
Nitrogen, Ammonia as N	0.21	mg/L	0.10	84	80	120			
Method: A9222 D									Batch: 071018-BCT-FCB-W-MF
Sample ID: MBLK	Method Blank				Run: MEMFILT_071018B				10/18/07 10:00
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_16587
Sample ID: MB-16587	Method Blank				Run: SUB-C92261				11/02/07 14:00
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	ND	mg/L	0.01						
Sodium	0.6	mg/L	0.5						
Sample ID: LCS-16587	Laboratory Control Sample				Run: SUB-C92261				11/02/07 14:22
Boron	0.50	mg/L	0.10	99	90	110			
Iron	0.51	mg/L	0.030	102	90	110			
Calcium	50	mg/L	0.50	100	90	110			
Magnesium	49	mg/L	0.50	97	90	110			
Potassium	51	mg/L	0.50	102	90	110			
Silica	0.51	mg/L	0.10	103	90	110			
Sodium	52	mg/L	0.53	104	90	110			

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R92261
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C92261				11/02/07 12:18
Silica	1.9	mg/L	0.10	97	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	2.0	mg/L	0.030	98	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C92261				11/02/07 12:21
Calcium	24	mg/L	0.50	97	85	125			
Magnesium	24	mg/L	0.50	97	85	125			
Potassium	26	mg/L	0.50	105	85	125			
Sodium	25	mg/L	0.76	100	85	125			
Sample ID: C07101077-002GMS	Sample Matrix Spike				Run: SUB-C92261				11/02/07 17:51
Boron	0.897	mg/L	0.10	87	70	130			
Iron	0.883	mg/L	0.030	88	70	130			
Calcium	43.6	mg/L	0.50	82	70	130			
Magnesium	42.1	mg/L	0.50	84	70	130			
Potassium	113	mg/L	0.50	94	70	130			
Sodium	47.3	mg/L	0.76	83	70	130			
Sample ID: C07101077-002GMSD	Sample Matrix Spike Duplicate				Run: SUB-C92261				11/02/07 17:54
Boron	0.933	mg/L	0.10	91	70	130	3.9	20	
Iron	0.904	mg/L	0.030	90	70	130	2.4	20	
Calcium	44.0	mg/L	0.50	83	70	130	0.9	20	
Magnesium	41.8	mg/L	0.50	83	70	130	0.7	20	
Potassium	113	mg/L	0.50	94	70	130	0.2	20	
Sodium	48.0	mg/L	0.76	84	70	130	1.5	20	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16587
Sample ID: MB-16587	Method Blank				Run: SUB-C91806				10/24/07 13:45
Aluminum	0.0003	mg/L	0.0002						
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	7E-05	mg/L	5E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	3E-05						
Mercury	4E-05	mg/L	6E-06						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	0.0001	mg/L	4E-05						
Thorium 232	9E-05	mg/L	7E-05						
Uranium	5E-05	mg/L	3E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LCS1-16587	Laboratory Control Sample				Run: SUB-C91806				10/24/07 13:52
Aluminum	0.0214	mg/L	0.10	106	80	120			
Arsenic	0.0189	mg/L	0.0010	95	80	120			
Barium	0.0204	mg/L	0.10	102	80	120			
Cadmium	0.0206	mg/L	0.010	103	80	120			
Chromium	0.0197	mg/L	0.050	98	80	120			
Copper	0.0200	mg/L	0.010	100	80	120			
Lead	0.0202	mg/L	0.050	101	80	120			
Manganese	0.0197	mg/L	0.010	98	80	120			
Molybdenum	0.0211	mg/L	0.10	106	80	120			
Nickel	0.0200	mg/L	0.050	100	80	120			
Selenium	0.0992	mg/L	0.0010	99	80	120			
Silver	0.0185	mg/L	0.010	92	80	120			
Thorium 232	0.0176	mg/L	0.0010	87	80	120			
Uranium	0.0201	mg/L	0.00030	100	80	120			
Vanadium	0.0194	mg/L	0.10	97	80	120			
Zinc	0.0227	mg/L	0.010	104	80	120			
Sample ID: LCS-16587	Laboratory Control Sample				Run: SUB-C91806				10/24/07 13:59
Aluminum	0.508	mg/L	0.10	102	85	115			
Arsenic	0.500	mg/L	0.0010	100	85	115			
Barium	0.503	mg/L	0.10	101	85	115			
Cadmium	0.510	mg/L	0.010	102	85	115			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16587
Sample ID: LCS-16587	Laboratory Control Sample				Run: SUB-C91806				10/24/07 13:59
Chromium	0.499	mg/L	0.050	100	85	115			
Copper	0.486	mg/L	0.010	97	85	115			
Lead	0.504	mg/L	0.050	101	85	115			
Manganese	0.501	mg/L	0.010	100	85	115			
Molybdenum	0.518	mg/L	0.10	104	85	115			
Nickel	0.492	mg/L	0.050	98	85	115			
Selenium	0.510	mg/L	0.0020	102	85	115			
Silver	0.220	mg/L	0.010	110	85	115			
Uranium	0.512	mg/L	0.00032	102	85	115			
Vanadium	0.494	mg/L	0.10	99	85	115			
Zinc	0.512	mg/L	0.010	102	85	115			
Sample ID: C07101148-002B MS4	Post Digestion Spike				Run: SUB-C91806				10/24/07 15:19
Aluminum	15.2	mg/L	0.10		70	130			A
Arsenic	0.0688	mg/L	0.0010	97	70	130			
Barium	0.0840	mg/L	0.10	104	70	130			
Cadmium	0.0899	mg/L	0.010	92	70	130			
Chromium	0.0705	mg/L	0.050	90	70	130			
Copper	2.34	mg/L	0.010		70	130			A
Lead	0.0869	mg/L	0.050	101	70	130			
Mercury	0.00610	mg/L	0.0010	87	70	130			
Molybdenum	0.0745	mg/L	0.10	106	70	130			
Nickel	0.357	mg/L	0.050		70	130			A
Selenium	0.143	mg/L	0.0010	94	70	130			
Silver	0.0328	mg/L	0.010	82	70	130			
Thorium 232	0.0800	mg/L	0.0010	112	70	130			
Uranium	0.163	mg/L	0.00030	103	70	130			
Vanadium	0.0647	mg/L	0.10	92	70	130			
Sample ID: C07101148-002B MSD4	Post Digestion Spike Duplicate				Run: SUB-C91806				10/24/07 15:25
Aluminum	15.4	mg/L	0.10		70	130	1.2	20	A
Arsenic	0.0687	mg/L	0.0010	96	70	130	0.1	20	
Barium	0.0827	mg/L	0.10	102	70	130	0.0	20	
Cadmium	0.0896	mg/L	0.010	92	70	130	0.3	20	
Chromium	0.0707	mg/L	0.050	90	70	130	0.2	20	
Copper	2.35	mg/L	0.010		70	130	0.4	20	A
Lead	0.0867	mg/L	0.050	101	70	130	0.2	20	
Mercury	0.00616	mg/L	0.0010	87	70	130	0.9	20	
Molybdenum	0.0738	mg/L	0.10	105	70	130	0.0	20	
Nickel	0.360	mg/L	0.050		70	130	0.8	20	A
Selenium	0.144	mg/L	0.0010	94	70	130	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16587
Sample ID: C07101148-002B MSD4	Post Digestion Spike Duplicate				Run: SUB-C91806			10/24/07 15:25	
Silver	0.0340	mg/L	0.010	85	70	130	3.6	20	
Thorium 232	0.0796	mg/L	0.0010	111	70	130	0.5	20	
Uranium	0.163	mg/L	0.00030	102	70	130	0.2	20	
Vanadium	0.0646	mg/L	0.10	92	70	130	0.0	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R91742
Sample ID: LRB	Method Blank				Run: SUB-C91742				10/23/07 12:36
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	6E-05	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	0.0001	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	6E-05	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	0.0005	mg/L	3E-05						
Thorium 232	0.0004	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C91742				10/23/07 12:43
Aluminum	0.0480	mg/L	0.0010	96	85	115			
Arsenic	0.0509	mg/L	0.0010	102	85	115			
Barium	0.0499	mg/L	0.0010	100	85	115			
Cadmium	0.0499	mg/L	0.0010	100	85	115			
Chromium	0.0523	mg/L	0.0010	104	85	115			
Copper	0.0510	mg/L	0.0010	102	85	115			
Lead	0.0500	mg/L	0.0010	100	85	115			
Manganese	0.0484	mg/L	0.0010	97	85	115			
Mercury	0.00505	mg/L	0.0010	101	85	115			
Molybdenum	0.0492	mg/L	0.0010	98	85	115			
Nickel	0.0509	mg/L	0.0010	102	85	115			
Silver	0.0199	mg/L	0.0010	97	85	115			
Thorium 232	0.0480	mg/L	0.0010	95	85	115			
Uranium	0.0493	mg/L	0.00030	99	85	115			
Vanadium	0.0490	mg/L	0.0010	98	85	115			
Zinc	0.0544	mg/L	0.0010	105	85	115			
Sample ID: C07101077-002GMS4	Post Digestion Spike				Run: SUB-C91742				10/24/07 02:59
Aluminum	0.0618	mg/L	0.10	101	70	130			
Arsenic	0.0510	mg/L	0.0010	101	70	130			
Barium	0.0743	mg/L	0.10	97	70	130			
Cadmium	0.0493	mg/L	0.010	99	70	130			
Chromium	0.0482	mg/L	0.050	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R91742
Sample ID: C07101077-002GMS4	Post Digestion Spike				Run: SUB-C91742				10/24/07 02:59
Copper	0.0536	mg/L	0.010	101	70	130			
Lead	0.0492	mg/L	0.050	97	70	130			
Manganese	0.0485	mg/L	0.010	96	70	130			
Mercury	0.00495	mg/L	0.0010	99	70	130			
Molybdenum	0.0480	mg/L	0.10	96	70	130			
Nickel	0.0497	mg/L	0.050	99	70	130			
Silver	0.0201	mg/L	0.010	100	70	130			
Uranium	0.0493	mg/L	0.00030	99	70	130			
Vanadium	0.0492	mg/L	0.10	98	70	130			
Zinc	0.0565	mg/L	0.010	104	70	130			
Sample ID: C07101077-002GMSD4	Post Digestion Spike Duplicate				Run: SUB-C91742				10/24/07 03:06
Aluminum	0.0622	mg/L	0.10	102	70	130	0.0	20	
Arsenic	0.0513	mg/L	0.0010	102	70	130	0.6	20	
Barium	0.0742	mg/L	0.10	96	70	130	0.0	20	
Cadmium	0.0491	mg/L	0.010	98	70	130	0.4	20	
Chromium	0.0481	mg/L	0.050	96	70	130	0.0	20	
Copper	0.0530	mg/L	0.010	100	70	130	1.2	20	
Lead	0.0495	mg/L	0.050	98	70	130	0.0	20	
Manganese	0.0483	mg/L	0.010	96	70	130	0.4	20	
Mercury	0.00491	mg/L	0.0010	98	70	130	0.8	20	
Molybdenum	0.0485	mg/L	0.10	97	70	130	0.0	20	
Nickel	0.0497	mg/L	0.050	99	70	130	0.0	20	
Silver	0.0204	mg/L	0.010	102	70	130	1.9	20	
Uranium	0.0491	mg/L	0.00030	98	70	130	0.5	20	
Vanadium	0.0491	mg/L	0.10	98	70	130	0.0	20	
Zinc	0.0564	mg/L	0.010	104	70	130	0.1	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R92030
Sample ID: LRB	Method Blank				Run: SUB-C92030				10/29/07 12:19
Thorium 232	0.0002	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C92030				10/29/07 12:27
Thorium 232	0.0492	mg/L	0.0010	98	85	115			
Uranium	0.0484	mg/L	0.00030	96	85	115			
Sample ID: R07100295-004K	Post Digestion Spike				Run: SUB-C92030				10/29/07 19:18
Thorium 232	0.0507	mg/L	0.0010	101	70	130			
Uranium	0.0512	mg/L	0.00030	102	70	130			
Sample ID: R07100295-004K	Post Digestion Spike Duplicate				Run: SUB-C92030				10/29/07 19:26
Thorium 232	0.0532	mg/L	0.0010	106	70	130	4.8	20	
Uranium	0.0534	mg/L	0.00030	107	70	130	4.3	20	
Method: E300.0									Batch: R31901
Sample ID: LFB0710193552-3	Laboratory Fortified Blank				Run: DIONEX_071019A				10/19/07 18:51
Chloride	4.63	mg/L	0.50	93	90	110			
Fluoride	1.90	mg/L	0.10	95	90	110			
Nitrogen, Nitrate as N	2.36	mg/L	0.10	94	90	110			
Sample ID: LFB0710193552-4	Laboratory Fortified Blank				Run: DIONEX_071019A				10/19/07 19:07
Chloride	4.79	mg/L	0.50	96	90	110			
Fluoride	1.96	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.43	mg/L	0.10	97	90	110			
Sample ID: R07100288-004AMS	Sample Matrix Spike				Run: DIONEX_071019A				10/19/07 22:50
Chloride	138	mg/L	0.80	88	80	120			
Fluoride	39.2	mg/L	1.3	98	80	120			
Nitrogen, Nitrate as N	66.0	mg/L	0.34	95	80	120			
Sample ID: R07100288-004AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071019A				10/19/07 23:06
Chloride	137	mg/L	0.80	87	80	120	0.6	10	
Fluoride	38.0	mg/L	1.3	95	80	120	3.1	10	
Nitrogen, Nitrate as N	65.2	mg/L	0.34	93	80	120	1.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31939
Sample ID: LFB0710231832-3	Laboratory Fortified Blank				Run: DIONEX_071023A				10/23/07 21:07
Chloride	4.91	mg/L	0.50	98	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0710231832-4	Laboratory Fortified Blank				Run: DIONEX_071023A				10/23/07 21:23
Chloride	4.76	mg/L	0.50	95	90	110			
Sulfate	14.2	mg/L	1.0	95	90	110			
Method: E900.0									Batch: C_GrAB-0348
Sample ID: UNAT-GRAB-0348	Laboratory Control Sample				Run: SUB-C92747				11/09/07 00:50
Gross Alpha	300	pCi/L	1.0	104	70	130			
Sample ID: CS-137-GRAB-0348	Laboratory Control Sample				Run: SUB-C92747				11/09/07 00:50
Gross Beta	90	pCi/L	2.0	91	70	130			
Sample ID: MB-GrAB-0348	Method Blank				Run: SUB-C92747				11/09/07 00:50
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: C07101187-001DMS	Sample Matrix Spike				Run: SUB-C92747				11/09/07 00:50
Gross Alpha	200	pCi/L	1.0	85	70	130			
Sample ID: C07101187-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C92747				11/09/07 00:50
Gross Alpha	200	pCi/L	1.0	90	70	130	5.5	13.5	
Sample ID: C07101187-001DMS	Sample Matrix Spike				Run: SUB-C92747				11/09/07 00:50
Gross Beta	90	pCi/L	2.0	96	70	130			
Sample ID: C07101187-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C92747				11/09/07 00:50
Gross Beta	100	pCi/L	2.0	100	70	130	66	15.5	R

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1								Batch: C_R91797	
Sample ID: LCS-R91797	Laboratory Control Sample				Run: SUB-C91797			10/23/07 19:30	
Americium 241	737	pCi/L	20	90	70	130			
Cesium 137	1140	pCi/L	20	81	70	130			
Sample ID: MB-R91797	Method Blank				Run: SUB-C91797			10/23/07 19:30	
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Sample ID: R07100295-004I	Sample Duplicate				Run: SUB-C91797			10/23/07 19:30	
Gross Gamma	1030	pCi/L	20				10	30	
Method: E903.0								Batch: C_16622	
Sample ID: C07101118-002AMS	Sample Matrix Spike				Run: SUB-C92505			11/07/07 14:09	
Radium 226	2.0	pCi/g-dry	0.49	94	70	130			
Sample ID: C07101118-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C92505			11/07/07 14:09	
Radium 226	2.0	pCi/g-dry	0.49	95	70	130	0.1	26.8	
Sample ID: LCS-16622	Laboratory Control Sample				Run: SUB-C92521			11/07/07 16:49	
Radium 226	62	pCi/L	0.20	99	70	130			
Sample ID: MB-16622	Method Blank				Run: SUB-C92521			11/07/07 16:49	
Radium 226	ND	pCi/L	0.004						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0								Batch: C_RA226-2398	
Sample ID: C07101080-001AMS	Sample Matrix Spike				Run: SUB-C92350			11/05/07 04:57	
Radium 226	20	pCi/L	0.20	84	70	130			
Sample ID: C07101080-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C92350			11/05/07 05:57	
Radium 226	22	pCi/L	0.20	93	70	130	9.0	27.5	
Sample ID: MB-RA226-2398	Method Blank				Run: SUB-C92350			11/05/07 20:03	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2398	Laboratory Control Sample				Run: SUB-C92350			11/05/07 21:03	
Radium 226	12	pCi/L	0.20	91	70	130			
Method: E907.0								Batch: C_16622	
Sample ID: LCS-16622	Laboratory Control Sample				Run: SUB-C92439			10/31/07 15:00	
Thorium 230	5.70	pCi/g-dry	0.10	97	70	130			
Sample ID: MB-16622	Method Blank				Run: SUB-C92439			10/31/07 15:00	
Thorium 230	ND	pCi/g-dry	0.0002						
Sample ID: C07100792-013BMS	Sample Matrix Spike				Run: SUB-C92755			11/05/07 15:00	
Thorium 230	3.25	pCi/g-dry	0.10	96	70	130			
Sample ID: C07100792-013BMSD	Sample Matrix Spike Duplicate				Run: SUB-C92755			11/05/07 15:00	
Thorium 230	3.39	pCi/g-dry	0.10	100	70	130	4.3	30	
Method: E907.0								Batch: C_R92458	
Sample ID: LCS-R92458	Laboratory Control Sample				Run: SUB-C92458			11/02/07 15:00	
Thorium 230	6.70	pCi/L	0.20	114	70	130			
Sample ID: C07101240-001FMS	Sample Matrix Spike				Run: SUB-C92458			11/02/07 15:00	
Thorium 230	58.1	pCi/L	0.20	100	70	130			
Sample ID: C07101240-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C92458			11/02/07 15:00	
Thorium 230	58.5	pCi/L	0.20	100	70	130	0.7	30	
Sample ID: MB-R92458	Method Blank				Run: SUB-C92458			11/02/07 15:00	
Thorium 230	ND	pCi/L	0.2						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M								Batch: C_16622	
Sample ID: C07100792-013BMS	Sample Matrix Spike				Run: SUB-C93065			11/09/07 09:45	
Lead 210	364	pCi/g-dry	0.10	91	70	130			
Sample ID: C07100792-013BMSD	Sample Matrix Spike Duplicate				Run: SUB-C93065			11/09/07 09:45	
Lead 210	405	pCi/g-dry	0.10	101	70	130	11	30	
Sample ID: LCS-R93065	Laboratory Control Sample				Run: SUB-C93065			11/09/07 09:45	
Lead 210	88.5	pCi/g-dry	0.10	110	70	130			
Sample ID: MB-R93065	Method Blank				Run: SUB-C93065			11/09/07 09:45	
Lead 210	ND	pCi/g-dry	0.05						
Method: E909.0M								Batch: C_R92590	
Sample ID: C07101240-002FMS	Sample Matrix Spike				Run: SUB-C92590			11/01/07 08:25	
Lead 210	500	pCi/L	1.0	124	70	130			
Sample ID: C07101240-002FMSD	Sample Matrix Spike Duplicate				Run: SUB-C92590			11/01/07 08:25	
Lead 210	540	pCi/L	1.0	134	70	130	7.6	30	S
Sample ID: MB-R92590	Method Blank				Run: SUB-C92590			11/01/07 08:25	
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R92590	Laboratory Control Sample				Run: SUB-C92590			11/01/07 08:25	
Lead 210	95	pCi/L	1.0	118	70	130			
Method: RMO-3008								Batch: C_16622	
Sample ID: C07100792-013BMS	Sample Matrix Spike				Run: SUB-C92546			11/06/07 13:30	
Polonium 210	8.38	pCi/g-dry	0.10	77	70	130			
Sample ID: C07100792-013BMSD	Sample Matrix Spike Duplicate				Run: SUB-C92546			11/06/07 13:30	
Polonium 210	10.4	pCi/g-dry	0.10	94	70	130	22	30	
Sample ID: MB-R92546	Method Blank				Run: SUB-C92546			11/06/07 13:30	
Polonium 210	ND	pCi/L	1						
Sample ID: LCS-R92546	Laboratory Control Sample				Run: SUB-C92546			11/06/07 13:30	
Polonium 210	15	pCi/L	1.0	66	70	130			S

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/26/07
Work Order: R07100295

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R93240
Sample ID: R07100295-004J	Sample Matrix Spike				Run: SUB-C93240				11/16/07 13:00
Polonium 210	75	pCi/L	1.0	67	70	130			S
Sample ID: R07100295-004J	Sample Matrix Spike Duplicate				Run: SUB-C93240				11/16/07 13:00
Polonium 210	100	pCi/L	1.0	90	70	130	29	30	
Sample ID: LCS-R93240	Laboratory Control Sample				Run: SUB-C93240				11/16/07 13:00
Polonium 210	19	pCi/L	1.0	83	70	130			
Sample ID: MB-R93240	Method Blank				Run: SUB-C93240				11/16/07 13:00
Polonium 210	ND	pCi/L	1						

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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page____ of____

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

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: POWERTECH DEWEY BURDOCK

Report Mail Address:

Contact Name, Phone, Fax, E-mail: Cory.foreman@respec.com 605.394.6400

Sampler Name if other than Contact:

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #:

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other_____

EDD/EDT ☐ Format_____

ANALYSIS REQUESTED

As Per Quote (No Pb210 No Pb210)

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

Receipt Temp 5.1 °C

Cooler ID(s)

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Solids/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID (LABORATORY USE ONLY)
1	DEWBURDBUC04	10/17/07	12:15	W				bottle set 4	R0710025
2	DEWBURDCHR01	10/17/07	14:00	W				bottle set 2	
3	DEWBURDBUC01	10/17/07	14:45	W				bottle set 1	
4	DEWBURDCHR05	10/17/07	16:00	W				bottle set 3	
5									
6									
7									
8									
9									
10									

Custody Record MUST be Signed

Relinquished by: Date/Time:

Relinquished by: [signature] Date/Time: 10/18/07 8:45

Shipped by:

Shipped by:

Received by: Date/Time:

Received by: [signature] Date/Time: 10/18/07 845

LABORATORY USE ONLY

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

Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

January 29, 2008

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

Workorder No.: R07110147 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 11/13/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07110147-001	DewBurdSub02	11/12/07 12:50	11/13/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07110147-002	DewBurdSub04	11/12/07 13:50	11/13/07	Aqueous	Same As Above
R07110147-003	DewBurdSub03	11/12/07 14:50	11/13/07	Aqueous	Same As Above
R07110147-004	DewBurdSub07	11/12/07 16:45	11/13/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-001
Client Sample ID: DewBurdSub02

Report Date: 01/29/08
Collection Date: 11/12/07 12:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	11/13/07 12:50/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	102	mg/L		5		1	A2320 B	11/26/07 16:19/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:19/sn
Bicarbonate as HCO3	124	mg/L		5		1	A2320 B	11/26/07 16:19/sn
Calcium	561	mg/L	D	1		10	E200.7	11/27/07 18:48/eli-c
Chloride	22	mg/L		1		5	E300.0	11/17/07 01:33/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	11/15/07 03:26/jmh
Magnesium	180	mg/L		0.5		1	E200.7	11/27/07 19:44/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:48/jmh
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	11/15/07 03:26/jmh
Potassium	21	mg/L		1		1	E200.7	11/27/07 19:44/eli-c
Silica	2.4	mg/L		0.5		1	E200.7	11/27/07 19:44/eli-c
Sodium	165	mg/L	D	0.8		1	E200.7	11/27/07 19:44/eli-c
Sulfate	2390	mg/L	D	40		50	E300.0	11/15/07 02:38/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3340	umhos/cm		5.0		1	A2510 B	11/16/07 18:22/jmh
pH	7.78	s.u.		0.01		1	A4500-H B	11/16/07 14:24/jmh
Sodium Adsorption Ratio (SAR)	1.6	unitless		0.10		1	Calculation	12/16/07 16:13/eli-c
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	11/14/07 17:18/jmh
Solids, Total Dissolved TDS @ 180 C	3900	mg/L		5		1	A2540 C	11/15/07 16:10/jmh
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	11/19/07 13:44/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	11/21/07 23:59/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/20/07 01:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/20/07 01:08/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	11/27/07 19:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/20/07 01:08/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	11/20/07 01:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/20/07 01:08/eli-c
Iron	0.08	mg/L		0.03		1	E200.7	11/27/07 19:44/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/20/07 01:08/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	11/20/07 01:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/20/07 01:08/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/20/07 01:08/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-001
Client Sample ID: DewBurdSub02

Report Date: 01/29/08
Collection Date: 11/12/07 12:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	11/20/07 01:08/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/26/07 12:14/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/20/07 01:08/eli-c
Uranium	0.171	mg/L		0.0003		1	E200.8	11/20/07 01:08/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/20/07 01:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/20/07 01:08/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	11/21/07 04:22/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 04:22/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	11/20/07 22:09/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/20/07 22:09/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/20/07 22:09/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	11/27/07 19:31/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/20/07 22:09/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/20/07 22:09/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	11/12/07 00:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/16/07 16:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/20/07 22:09/eli-c
Iron	0.23	mg/L		0.03		1	E200.7	11/27/07 19:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/20/07 22:09/eli-c
Manganese	0.02	mg/L		0.01		1	E200.8	11/20/07 22:09/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/20/07 22:09/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/20/07 22:09/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/20/07 22:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/20/07 22:09/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/20/07 22:09/eli-c
Uranium	0.162	mg/L		0.0003		1	E200.8	11/20/07 22:09/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/20/07 22:09/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/20/07 22:09/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	11/28/07 14:02/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/28/07 09:34/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	11/28/07 15:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-001
Client Sample ID: DewBurdSub02

Report Date: 01/29/08
Collection Date: 11/12/07 12:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	11/28/07 14:11/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/28/07 09:42/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	1.8	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	0.6	pCi/L		0.2		1	E903.0	11/26/07 23:57/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	11/26/07 23:57/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/28/07 15:00/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 19:59/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	132	pCi/L		1.0		1	E900.0	12/04/07 04:33/eli-c
Gross Alpha precision (±)	5.0	pCi/L				1	E900.0	12/04/07 04:33/eli-c
Gross Beta	83.3	pCi/L		2.0		1	E900.0	12/04/07 04:33/eli-c
Gross Beta precision (±)	8.1	pCi/L				1	E900.0	12/04/07 04:33/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	1.5	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	0.6	pCi/L		0.2		1	E903.0	11/26/07 12:39/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	11/26/07 12:39/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/28/07 15:00/eli-c
Gross Gamma	1060	pCi/L		20.0		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	462	pCi/L				1	E901.1	11/16/07 10:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.86	%				1	A1030 E	12/16/07 16:28/eli-c
Anions	52.4	meq/L				1	A1030 E	12/16/07 16:28/eli-c
Cations	50.5	meq/L				1	A1030 E	12/16/07 16:28/eli-c
Solids, Total Dissolved Calculated	3400	mg/L				1	A1030 E	12/16/07 16:28/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-001
Client Sample ID: DewBurdSub02

Report Date: 01/29/08
Collection Date: 11/12/07 12:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.15	dec. %				1	A1030 E	12/16/07 16:28/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R071I0I47-002
Client Sample ID: DewBurdSub04

Report Date: 01/29/08
Collection Date: 11/12/07 13:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	11/13/07 12:50/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	11/26/07 16:20/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:20/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	11/26/07 16:20/sn
Calcium	201	mg/L		0.5		1	E200.7	11/27/07 19:48/eli-c
Chloride	18	mg/L		1		1	E300.0	11/15/07 03:58/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	11/15/07 03:58/jmh
Magnesium	99.5	mg/L		0.5		1	E200.7	11/27/07 19:48/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:49/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/15/07 03:58/jmh
Potassium	46	mg/L		1		1	E200.7	11/27/07 19:48/eli-c
Silica	16.2	mg/L		0.5		1	E200.7	11/27/07 19:48/eli-c
Sodium	17.1	mg/L	D	0.8		1	E200.7	11/27/07 19:48/eli-c
Sulfate	1200	mg/L	D	40		50	E300.0	11/15/07 03:42/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1650	umhos/cm		5.0		1	A2510 B	11/16/07 18:23/jmh
pH	4.65	s.u.		0.01		1	A4500-H B	11/16/07 14:27/jmh
Sodium Adsorption Ratio (SAR)	0.25	unitless		0.10		1	Calculation	12/16/07 16:13/eli-c
Solids, Suspended Sediment SSC @ 105 C	12	mg/L		5		1	D3977	11/14/07 17:19/jmh
Solids, Total Dissolved TDS @ 180 C	1700	mg/L		5		1	A2540 C	11/15/07 16:10/jmh
Solids, Total Suspended TSS @ 105 C	23	mg/L		5		1	A2540 D	11/19/07 13:45/jmh
METALS - DISSOLVED								
Aluminum	1.2	mg/L		0.1		10	E200.8	11/22/07 00:05/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/20/07 01:28/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/20/07 01:28/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	11/27/07 19:48/eli-c
Cadmium	0.008	mg/L		0.005		1	E200.8	11/20/07 01:28/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	11/20/07 01:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/20/07 01:28/eli-c
Iron	1.48	mg/L		0.03		1	E200.7	11/27/07 19:48/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	11/20/07 01:28/eli-c
Manganese	20.4	mg/L		0.01		10	E200.8	11/22/07 00:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/20/07 01:28/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/20/07 01:28/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-002
Client Sample ID: DewBurdSub04

Report Date: 01/29/08
Collection Date: 11/12/07 13:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	0.43	mg/L		0.01		1	E200.8	11/20/07 01:28/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/26/07 12:41/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/20/07 01:28/eli-c
Uranium	0.0021	mg/L		0.0003		1	E200.8	11/20/07 01:28/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/20/07 01:28/eli-c
Zinc	0.37	mg/L		0.01		1	E200.8	11/20/07 01:28/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	11/21/07 04:28/eli-c
Uranium	0.0014	mg/L		0.0003		1	E200.8	11/21/07 04:28/eli-c
METALS - TOTAL								
Aluminum	1.5	mg/L		0.1		10	E200.8	11/20/07 22:15/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	11/20/07 22:15/eli-c
Barium	ND	mg/L		0.1		10	E200.8	11/20/07 22:15/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 19:35/eli-c
Cadmium	0.008	mg/L		0.005		10	E200.8	11/20/07 22:15/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	11/20/07 22:15/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.05		10	A3500-Cr B	11/12/07 00:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/16/07 16:26/eli-c
Copper	ND	mg/L		0.01		10	E200.8	11/20/07 22:15/eli-c
Iron	3.73	mg/L		0.03		1	E200.7	11/27/07 19:35/eli-c
Lead	ND	mg/L		0.001		10	E200.8	11/20/07 22:15/eli-c
Manganese	21.3	mg/L		0.01		10	E200.8	11/20/07 22:15/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/20/07 22:15/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	11/20/07 22:15/eli-c
Nickel	0.44	mg/L		0.05		10	E200.8	11/20/07 22:15/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/20/07 22:15/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	11/20/07 22:15/eli-c
Uranium	0.0024	mg/L		0.0003		10	E200.8	11/20/07 22:15/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	11/20/07 22:15/eli-c
Zinc	0.41	mg/L		0.01		10	E200.8	11/20/07 22:15/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 14:04/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/28/07 09:36/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	11/28/07 15:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-002
Client Sample ID: DewBurdSub04

Report Date: 01/29/08
Collection Date: 11/12/07 13:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 14:13/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/28/07 09:44/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	2.2	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	3.4	pCi/L		0.2		1	E903.0	11/27/07 00:57/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	11/27/07 00:57/eli-c
Thorium 230	0.9	pCi/L		0.2		1	E907.0	11/28/07 15:00/eli-c
Thorium 230 precision (±)	0.5	pCi/L				1	E907.0	11/28/07 15:00/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 20:59/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	13.6	pCi/L		1.0		1	E900.0	12/04/07 04:33/eli-c
Gross Alpha precision (±)	1.7	pCi/L				1	E900.0	12/04/07 04:33/eli-c
Gross Beta	51.3	pCi/L		2.0		1	E900.0	12/04/07 04:33/eli-c
Gross Beta precision (±)	4.2	pCi/L				1	E900.0	12/04/07 04:33/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	3.4	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	3.5	pCi/L		0.2		1	E903.0	11/26/07 12:39/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	11/26/07 12:39/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/28/07 15:00/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	11/16/07 10:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.902	%				1	A1030 E	12/16/07 16:29/eli-c
Anions	22.3	meq/L				1	A1030 E	12/16/07 16:29/eli-c
Cations	21.9	meq/L				1	A1030 E	12/16/07 16:29/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-002
Client Sample ID: DewBurdSub04

Report Date: 01/29/08
Collection Date: 11/12/07 13:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Solids, Total Dissolved Calculated	1450	mg/L				1	A1030 E	12/16/07 16:29/eli-c
TDS Balance (0.80 - 1.20)	1.18	dec. %				1	A1030 E	12/16/07 16:29/eli-c
- Ion Balance achieved using Sulfate from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-003
Client Sample ID: DewBurdSub03

Report Date: 01/29/08
Collection Date: 11/12/07 14:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	11/13/07 12:50/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	11/26/07 16:21/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:21/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	11/26/07 16:21/sn
Calcium	128	mg/L		0.5		1	E200.7	11/27/07 19:51/eli-c
Chloride	9	mg/L		1		1	E300.0	11/15/07 04:30/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	11/15/07 04:30/jmh
Magnesium	53.4	mg/L		0.5		1	E200.7	11/27/07 19:51/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:50/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/15/07 04:30/jmh
Potassium	35	mg/L		1		1	E200.7	11/27/07 19:51/eli-c
Silica	7.5	mg/L		0.5		1	E200.7	11/27/07 19:51/eli-c
Sodium	8.2	mg/L	D	0.8		1	E200.7	11/27/07 19:51/eli-c
Sulfate	699	mg/L	D	40		50	E300.0	11/15/07 04:14/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1080	umhos/cm		5.0		1	A2510 B	11/16/07 18:24/jmh
pH	4.58	s.u.		0.01		1	A4500-H B	11/16/07 14:28/jmh
Sodium Adsorption Ratio (SAR)	0.15	unitless		0.10		1	Calculation	12/16/07 16:13/eli-c
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	11/14/07 17:19/jmh
Solids, Total Dissolved TDS @ 180 C	970	mg/L		5		1	A2540 C	11/15/07 17:09/jmh
Solids, Total Suspended TSS @ 105 C	6	mg/L		5		1	A2540 D	11/19/07 13:46/jmh
METALS - DISSOLVED								
Aluminum	0.6	mg/L		0.1		10	E200.8	11/22/07 00:12/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/20/07 01:35/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/20/07 01:35/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 19:51/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/20/07 01:35/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	11/20/07 01:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/20/07 01:35/eli-c
Iron	0.12	mg/L		0.03		1	E200.7	11/27/07 19:51/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/20/07 01:35/eli-c
Manganese	11.6	mg/L		0.01		10	E200.8	11/22/07 00:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/20/07 01:35/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/20/07 01:35/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-003
Client Sample ID: DewBurdSub03

Report Date: 01/29/08
Collection Date: 11/12/07 14:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	0.23	mg/L		0.01		1	E200.8	11/20/07 01:35/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/26/07 12:48/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/20/07 01:35/eli-c
Uranium	0.0014	mg/L		0.0003		1	E200.8	11/20/07 01:35/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/20/07 01:35/eli-c
Zinc	0.16	mg/L		0.01		1	E200.8	11/20/07 01:35/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	11/21/07 04:35/eli-c
Uranium	0.0008	mg/L		0.0003		1	E200.8	11/21/07 04:35/eli-c
METALS - TOTAL								
Aluminum	0.7	mg/L		0.1		10	E200.8	11/20/07 22:22/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	11/20/07 22:22/eli-c
Barium	ND	mg/L		0.1		10	E200.8	11/20/07 22:22/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 19:38/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	11/20/07 22:22/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	11/20/07 22:22/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	11/12/07 00:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/16/07 16:26/eli-c
Copper	ND	mg/L		0.01		10	E200.8	11/20/07 22:22/eli-c
Iron	0.16	mg/L		0.03		1	E200.7	11/27/07 19:38/eli-c
Lead	ND	mg/L		0.001		10	E200.8	11/20/07 22:22/eli-c
Manganese	12.2	mg/L		0.01		10	E200.8	11/20/07 22:22/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/20/07 22:22/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	11/20/07 22:22/eli-c
Nickel	0.23	mg/L		0.05		10	E200.8	11/20/07 22:22/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/20/07 22:22/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	11/20/07 22:22/eli-c
Uranium	0.0014	mg/L		0.0003		10	E200.8	11/20/07 22:22/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	11/20/07 22:22/eli-c
Zinc	0.17	mg/L		0.01		10	E200.8	11/20/07 22:22/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 14:06/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/28/07 09:38/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	11/28/07 15:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-003
Client Sample ID: DewBurdSub03

Report Date: 01/29/08
Collection Date: 11/12/07 14:50
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 14:15/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/28/07 09:47/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	4.5	pCi/L		0.2		1	E903.0	11/27/07 01:57/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	11/27/07 01:57/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 15:15/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 22:00/eli-c
Thorium 230	1.3	pCi/L		0.2		1	E907.0	12/27/07 14:30/eli-c
Thorium 230 precision (±)	0.7	pCi/L				1	E907.0	12/27/07 14:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	16.6	pCi/L		1.0		1	E900.0	12/04/07 04:32/eli-c
Gross Alpha precision (±)	1.1	pCi/L				1	E900.0	12/04/07 04:32/eli-c
Gross Beta	38.8	pCi/L		2.0		1	E900.0	12/04/07 04:32/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	12/04/07 04:32/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	2.5	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	4.0	pCi/L		0.2		1	E903.0	11/26/07 12:39/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	11/26/07 12:39/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 15:15/eli-c
Gross Gamma	1270	pCi/L		20.0		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	230	pCi/L				1	E901.1	11/16/07 10:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.0673	%				1	A1030 E	12/16/07 16:30/eli-c
Anions	12.9	meq/L				1	A1030 E	12/16/07 16:30/eli-c
Cations	12.9	meq/L				1	A1030 E	12/16/07 16:30/eli-c
Solids, Total Dissolved Calculated	851	mg/L				1	A1030 E	12/16/07 16:30/eli-c
TDS Balance (0.80 - 1.20)	1.14	dec. %				1	A1030 E	12/16/07 16:30/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-003
Client Sample ID: DewBurdSub03

Report Date: 01/29/08
Collection Date: 11/12/07 14:50
Date Received: 11/13/07
Matrix: AQUEOUS

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

DATA QUALITY

- Ion Balance achieved using Sulfate from E200.7.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-004
Client Sample ID: DewBurdSub07

Report Date: 01/29/08
Collection Date: 11/12/07 16:45
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	11/13/07 12:50/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	11/26/07 16:22/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:22/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	11/26/07 16:22/sn
Calcium	45.6	mg/L		0.5		1	E200.7	11/27/07 19:54/eli-c
Chloride	7	mg/L		1		1	E300.0	11/15/07 05:02/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	11/15/07 05:02/jmh
Magnesium	26.3	mg/L		0.5		1	E200.7	11/27/07 19:54/eli-c
Nitrogen, Ammonia as N	2.4	mg/L		0.1		4	A4500-NH3 G	11/13/07 18:09/jmh
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	11/15/07 05:02/jmh
Potassium	27	mg/L		1		1	E200.7	11/27/07 19:54/eli-c
Silica	ND	mg/L		0.5		1	E200.7	11/27/07 19:54/eli-c
Sodium	6.0	mg/L	D	0.8		1	E200.7	11/27/07 19:54/eli-c
Sulfate	357	mg/L	D	40		50	E300.0	11/15/07 04:46/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	610	umhos/cm		5.0		1	A2510 B	11/16/07 18:26/jmh
pH	4.12	s.u.		0.01		1	A4500-H B	11/16/07 14:29/jmh
Sodium Adsorption Ratio (SAR)	0.17	unitless		0.10		1	Calculation	12/16/07 16:13/eli-c
Solids, Suspended Sediment SSC @ 105 C	16	mg/L		5		1	D3977	11/14/07 17:19/jmh
Solids, Total Dissolved TDS @ 180 C	450	mg/L		5		1	A2540 C	11/15/07 17:09/jmh
Solids, Total Suspended TSS @ 105 C	8	mg/L		5		1	A2540 D	11/19/07 13:47/jmh
METALS - DISSOLVED								
Aluminum	0.5	mg/L		0.1		10	E200.8	11/22/07 00:19/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	11/22/07 00:19/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/20/07 01:42/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 19:54/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/20/07 01:42/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	11/20/07 01:42/eli-c
Copper	ND	mg/L		0.01		10	E200.8	11/22/07 00:19/eli-c
Iron	0.48	mg/L		0.03		1	E200.7	11/27/07 19:54/eli-c
Lead	0.004	mg/L		0.001		1	E200.8	11/20/07 01:42/eli-c
Manganese	5.54	mg/L		0.01		1	E200.8	11/20/07 01:42/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/20/07 01:42/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/20/07 01:42/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-004
Client Sample ID: DewBurdSub07

Report Date: 01/29/08
Collection Date: 11/12/07 16:45
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	0.12	mg/L		0.01		10	E200.8	11/22/07 00:19/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/26/07 13:08/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/20/07 01:42/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	11/20/07 01:42/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/20/07 01:42/eli-c
Zinc	0.14	mg/L		0.01		10	E200.8	11/22/07 00:19/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	11/21/07 04:41/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 04:41/eli-c
METALS - TOTAL								
Aluminum	0.6	mg/L		0.1		1	E200.8	11/20/07 22:43/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/20/07 22:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/20/07 22:43/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 19:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/20/07 22:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/20/07 22:43/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.02		5	A3500-Cr B	11/12/07 00:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/16/07 16:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/20/07 22:43/eli-c
Iron	0.58	mg/L		0.03		1	E200.7	11/27/07 19:41/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	11/20/07 22:43/eli-c
Manganese	5.55	mg/L		0.01		1	E200.8	11/20/07 22:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/20/07 22:43/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/20/07 22:43/eli-c
Nickel	0.12	mg/L		0.05		1	E200.8	11/20/07 22:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/20/07 22:43/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/20/07 22:43/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	11/20/07 22:43/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/20/07 22:43/eli-c
Zinc	0.12	mg/L		0.01		1	E200.8	11/20/07 22:43/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 14:09/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/28/07 09:40/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	11/28/07 15:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-004
Client Sample ID: DewBurdSub07

Report Date: 01/29/08
Collection Date: 11/12/07 16:45
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 14:17/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	11/28/07 09:49/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	1.8	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	0.7	pCi/L		0.2		1	E903.0	11/27/07 02:58/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	11/27/07 02:58/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/28/07 15:00/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 23:00/eli-c
Thorium 230	0.9	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
Thorium 230 precision (±)	0.5	pCi/L				1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	5.1	pCi/L		1.0		1	E900.0	12/04/07 04:32/eli-c
Gross Alpha precision (±)	0.7	pCi/L				1	E900.0	12/04/07 04:32/eli-c
Gross Beta	25.8	pCi/L		2.0		1	E900.0	12/04/07 04:32/eli-c
Gross Beta precision (±)	1.8	pCi/L				1	E900.0	12/04/07 04:32/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	0.5	pCi/L		0.2		1	E903.0	11/26/07 12:39/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	11/26/07 12:39/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/28/07 15:00/eli-c
Gross Gamma	1290	pCi/L		20.0		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	224	pCi/L				1	E901.1	11/16/07 10:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.25	%				1	A1030 E	12/16/07 16:31/eli-c
Anions	6.18	meq/L				1	A1030 E	12/16/07 16:31/eli-c
Cations	6.03	meq/L				1	A1030 E	12/16/07 16:31/eli-c
Solids, Total Dissolved Calculated	399	mg/L				1	A1030 E	12/16/07 16:31/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110147-004
Client Sample ID: DewBurdSub07

Report Date: 01/29/08
Collection Date: 11/12/07 16:45
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.13	dec. %				1	A1030 E	12/16/07 16:31/eli-c
- Ion Balance achieved using Sulfate from E200.7.								

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071126A-ALK-SEL-W	
Sample ID: MBLK2_071126A	Method Blank				Run: PH_COND1-R_071126A			11/26/07 15:38	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS2_071126A	Laboratory Control Sample				Run: PH_COND1-R_071126A			11/26/07 15:41	
Alkalinity, Total as CaCO3	910	mg/L	5.0	91	90	110			
Sample ID: R07110147-004AMS	Sample Matrix Spike				Run: PH_COND1-R_071126A			11/26/07 16:25	
Alkalinity, Total as CaCO3	102	mg/L	5.0	96	80	120			
Sample ID: R07110147-004AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_071126A			11/26/07 16:29	
Alkalinity, Total as CaCO3	94.0	mg/L	5.0	89	80	120	8.2	10	
Method: A2510 B								Batch: 071116_1_COND-PROBE-W	
Sample ID: LCS1-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116A			11/16/07 18:09	
Conductivity @ 25 C	151	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116A			11/16/07 18:10	
Conductivity @ 25 C	4890	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116A			11/16/07 18:10	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071116	Method Blank				Run: PH_COND2-R_071116A			11/16/07 18:11	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07110147-001ADUP	Sample Duplicate				Run: PH_COND2-R_071116A			11/16/07 18:47	
Conductivity @ 25 C	3400	umhos/cm	5.0				1.8	10	
Method: A2540 C								Batch: 071115A-SLDS-TDS-W	
Sample ID: LCS1_071115A	Laboratory Control Sample				Run: BAL-4-R_071115A			11/15/07 15:53	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: MBLK1_071115A	Method Blank				Run: BAL-4-R_071115A			11/16/07 13:54	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R07110146-003AMS	Sample Matrix Spike				Run: BAL-4-R_071115A			11/15/07 16:04	
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	99	80	120			
Sample ID: R07110146-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071115A			11/15/07 16:05	
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	100	80	120	0.2	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 071119A-SLDS-TSS-W	
Sample ID: MBLK1_071119A	Method Blank				Run: BAL-4-R_071119A			11/19/07 13:41	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_071119A	Laboratory Control Sample				Run: BAL-4-R_071119A			11/19/07 13:42	
Solids, Total Suspended TSS @ 105 C	210	mg/L	5.0	106	85	115			
Sample ID: R07110147-001ADUP	Sample Duplicate				Run: BAL-4-R_071119A			11/19/07 13:44	
Solids, Total Suspended TSS @ 105 C	2.0	mg/L	5.0				0.0	20	
Method: A3114 B								Batch: C_SE3114-071128	
Sample ID: MBLK	Method Blank				Run: SUB-C93452			11/28/07 13:26	
Selenium	ND	mg/L	0.0004						
Sample ID: C07110603-001EMS	Sample Matrix Spike				Run: SUB-C93452			11/28/07 13:50	
Selenium	0.050	mg/L	0.0010	100	85	115			
Sample ID: C07110603-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93452			11/28/07 13:52	
Selenium	0.050	mg/L	0.0010	101	85	115	0.6	10	
Sample ID: 301-119-5	Laboratory Control Sample				Run: SUB-C93452			11/28/07 13:54	
Selenium	0.049	mg/L	0.0010	99	90	110			
Sample ID: R07110147-001H	Sample Matrix Spike				Run: SUB-C93452			11/28/07 14:19	
Selenium	0.050	mg/L	0.0010	97	85	115			
Sample ID: R07110147-001H	Sample Matrix Spike Duplicate				Run: SUB-C93452			11/28/07 14:21	
Selenium	0.054	mg/L	0.0010	104	85	115	6.9	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV3114-071128	
Sample ID: MBLK	Method Blank				Run: SUB-C93423			11/28/07 08:58	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C07110603-001EMS	Sample Matrix Spike				Run: SUB-C93423			11/28/07 09:21	
Selenium-IV	0.046	mg/L	0.0010	93	85	115			
Sample ID: C07110603-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93423			11/28/07 09:23	
Selenium-IV	0.048	mg/L	0.0010	95	85	115	2.7	10	
Sample ID: 301-119-5	Laboratory Control Sample				Run: SUB-C93423			11/28/07 09:25	
Selenium-IV	0.048	mg/L	0.0010	96	90	110			
Sample ID: R07110147-001H	Sample Matrix Spike				Run: SUB-C93423			11/28/07 09:51	
Selenium-IV	0.043	mg/L	0.0010	86	85	115			
Sample ID: R07110147-001H	Sample Matrix Spike Duplicate				Run: SUB-C93423			11/28/07 09:53	
Selenium-IV	0.044	mg/L	0.0010	87	85	115	1.5	10	
Method: A3500-Cr B								Batch: 111207A	
Sample ID: MBLK	Method Blank				Run: SPEC1_071112A			11/12/07 00:00	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_071112A			11/12/07 00:00	
Chromium, Hexavalent	0.21	mg/L	0.0050	104	80	120			
Sample ID: R07110147-001D	Sample Matrix Spike				Run: SPEC1_071112A			11/12/07 00:00	
Chromium, Hexavalent	0.21	mg/L	0.0050	105	80	120			
Sample ID: R07110147-002D	Sample Matrix Spike				Run: SPEC1_071112A			11/12/07 00:00	
Chromium, Hexavalent	1.6	mg/L	0.050	79	80	120			S
Sample ID: R07110147-003D	Sample Matrix Spike				Run: SPEC1_071112A			11/12/07 00:00	
Chromium, Hexavalent	0.17	mg/L	0.0050	85	80	120			
Sample ID: R07110147-004D	Sample Matrix Spike				Run: SPEC1_071112A			11/12/07 00:00	
Chromium, Hexavalent	0.87	mg/L	0.025	87	80	120			
Method: A4500-H B								Batch: 071116_1_PH-W	
Sample ID: LCS_pH-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116B			11/16/07 14:01	
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R07110147-001ADUP	Sample Duplicate				Run: PH_COND2-R_071116B			11/16/07 14:25	
pH	7.80	s.u.	0.010				0.3	1.25	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2007-11-13_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_071113A			11/13/07 16:08	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_071113A			11/13/07 16:09	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	91	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_071113A			11/13/07 16:10	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R07110016-001BMS	Sample Matrix Spike				Run: TECHAA2-R_071113A			11/13/07 17:43	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	97	80	120			
Method: A9222 D								Batch: 071113-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_071113A			11/13/07 12:50	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						
Method: E200.7								Batch: C_16890	
Sample ID: MB-16890	Method Blank				Run: SUB-C93405			11/27/07 18:06	
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	0.02	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS-16890	Laboratory Control Sample				Run: SUB-C93405			11/27/07 18:09	
Boron	0.43	mg/L	0.10	86	85	115			
Iron	0.45	mg/L	0.030	89	85	115			
Calcium	42	mg/L	0.50	84	85	115			S
Magnesium	42	mg/L	0.50	83	85	115			S
Potassium	44	mg/L	0.50	89	85	115			
Sodium	43	mg/L	0.53	87	85	115			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R93405	
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C93405			11/27/07 11:57	
Silica	2.0	mg/L	0.10	98	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	2.0	mg/L	0.030	99	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93405			11/27/07 12:00	
Calcium	24	mg/L	0.50	97	85	125			
Magnesium	24	mg/L	0.50	94	85	125			
Potassium	26	mg/L	0.50	104	85	125			
Sodium	24	mg/L	0.76	97	85	125			
Sample ID: R07110146-001C	Sample Matrix Spike				Run: SUB-C93405			11/27/07 15:02	
Boron	8.88	mg/L	0.10	89	70	130			
Iron	9.14	mg/L	0.046	88	70	130			
Calcium	619	mg/L	1.0	81	70	130			
Magnesium	482	mg/L	0.50	81	70	130			
Potassium	1100	mg/L	0.50	90	70	130			
Silica	16.2	mg/L	0.20	85	70	130			
Sodium	551	mg/L	7.6	80	70	130			
Silicon	7.58	mg/L	0.094	76	70	130			
Sample ID: R07110146-001C	Sample Matrix Spike Duplicate				Run: SUB-C93405			11/27/07 15:05	
Boron	9.32	mg/L	0.10	93	70	130	4.8	20	
Iron	9.49	mg/L	0.046	91	70	130	3.8	20	
Calcium	632	mg/L	1.0	84	70	130	2.1	20	
Magnesium	491	mg/L	0.50	82	70	130	1.7	20	
Potassium	1110	mg/L	0.50	91	70	130	1.6	20	
Silica	16.4	mg/L	0.20	86	70	130	1.0	20	
Sodium	577	mg/L	7.6	85	70	130	4.6	20	
Silicon	7.65	mg/L	0.094	77	70	130	1.0	20	
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C93405			11/27/07 21:56	
Silica	1.9	mg/L	0.10	96	85	125			
Boron	1.9	mg/L	0.10	93	85	125			
Calcium	ND	mg/L	0.50		85	125			S
Iron	1.9	mg/L	0.030	95	85	125			
Magnesium	ND	mg/L	0.50		85	125			S
Potassium	0.069	mg/L	0.50		85	125			S
Sodium	ND	mg/L	0.76		85	125			S
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93405			11/27/07 21:59	
Calcium	23	mg/L	0.50	94	85	125			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R93405	
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93405			11/27/07 21:59	
Magnesium	23	mg/L	0.50	93	85	125			
Potassium	26	mg/L	0.50	105	85	125			
Sodium	23	mg/L	0.76	94	85	125			
Sample ID: C07110667-001BMS	Sample Matrix Spike				Run: SUB-C93405			11/27/07 17:43	
Boron	0.966	mg/L	0.10	92	70	130			
Calcium	105	mg/L	0.50	80	70	130			
Iron	0.934	mg/L	0.030	93	70	130			
Magnesium	56.9	mg/L	0.50	87	70	130			
Potassium	116	mg/L	0.50	93	70	130			
Silica	50.9	mg/L	0.10		0	0			A
Sodium	58.9	mg/L	0.76	89	70	130			
Sample ID: C07110667-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C93405			11/27/07 17:46	
Boron	0.999	mg/L	0.10	95	70	130	3.4	20	
Calcium	108	mg/L	0.50	84	70	130	2.2	20	
Iron	0.952	mg/L	0.030	95	70	130	1.9	20	
Magnesium	57.5	mg/L	0.50	88	70	130	1.0	20	
Potassium	116	mg/L	0.50	93	70	130	0.1	20	
Silica	51.5	mg/L	0.10		0	0			A
Sodium	58.5	mg/L	0.76	89	70	130	0.7	20	
Sample ID: C07110903-001CMS	Sample Matrix Spike				Run: SUB-C93405			11/27/07 19:05	
Boron	9.63	mg/L	0.10	95	70	130			
Iron	9.43	mg/L	0.046	94	70	130			
Calcium	447	mg/L	1.0	89	70	130			
Magnesium	438	mg/L	0.50	88	70	130			
Potassium	1140	mg/L	0.50	95	70	130			
Silica	20.6	mg/L	0.20	89	70	130			
Sodium	702	mg/L	7.6	91	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07110903-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C93405			11/27/07 19:08	
Boron	9.78	mg/L	0.10	96	70	130	1.5	20	
Iron	9.53	mg/L	0.046	95	70	130	1.1	20	
Calcium	451	mg/L	1.0	90	70	130	0.7	20	
Magnesium	447	mg/L	0.50	89	70	130	2.1	20	
Potassium	1130	mg/L	0.50	94	70	130	1.5	20	
Silica	20.5	mg/L	0.20	87	70	130			
Sodium	707	mg/L	7.6	92	70	130	0.7	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16875
Sample ID: MB-16875	Method Blank				Run: SUB-C93209				11/21/07 02:47
Uranium	5E-05	mg/L	2E-05						
Sample ID: LCS1-16875	Laboratory Control Sample				Run: SUB-C93209				11/21/07 02:54
Uranium	0.0526	mg/L	0.00030	100	80	120			
Sample ID: R07110147-004K	Post Digestion Spike				Run: SUB-C93209				11/21/07 04:48
Thorium 232	0.0241	mg/L	0.0010	96	70	130			
Uranium	0.0241	mg/L	0.00030	95	70	130			
Sample ID: R07110147-004K	Post Digestion Spike Duplicate				Run: SUB-C93209				11/21/07 04:55
Thorium 232	0.0242	mg/L	0.0010	96	70	130	0.2	20	
Uranium	0.0241	mg/L	0.00030	95	70	130	0.2	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16890
Sample ID: MB-16890	Method Blank				Run: SUB-C93209				11/20/07 21:28
Aluminum	ND	mg/L	0.0002						
Arsenic	ND	mg/L	5E-05						
Barium	0.00010	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	ND	mg/L	5E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	3E-05						
Mercury	ND	mg/L	6E-06						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Silver	0.0005	mg/L	4E-05						
Thorium 232	ND	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	0.0005	mg/L	0.0003						
Sample ID: LCS1-16890	Laboratory Control Sample				Run: SUB-C93209				11/20/07 21:35
Aluminum	0.020	mg/L	0.10	101	80	120			
Arsenic	0.019	mg/L	0.0010	97	80	120			
Barium	0.021	mg/L	0.10	103	80	120			
Cadmium	0.020	mg/L	0.010	102	80	120			
Chromium	0.020	mg/L	0.050	98	80	120			
Copper	0.020	mg/L	0.010	99	80	120			
Lead	0.020	mg/L	0.050	101	80	120			
Manganese	0.020	mg/L	0.010	99	80	120			
Molybdenum	0.020	mg/L	0.10	102	80	120			
Nickel	0.020	mg/L	0.050	101	80	120			
Silver	0.020	mg/L	0.010	98	80	120			
Thorium 232	0.020	mg/L	0.0010	100	80	120			
Uranium	0.020	mg/L	0.00030	101	80	120			
Vanadium	0.019	mg/L	0.10	97	80	120			
Zinc	0.021	mg/L	0.010	102	80	120			
Sample ID: LCS-16890	Laboratory Control Sample				Run: SUB-C93209				11/20/07 21:42
Aluminum	0.45	mg/L	0.10	89	85	115			
Arsenic	0.46	mg/L	0.0010	92	85	115			
Barium	0.46	mg/L	0.10	92	85	115			
Cadmium	0.46	mg/L	0.010	92	85	115			
Chromium	0.45	mg/L	0.050	90	85	115			
Copper	0.44	mg/L	0.010	89	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16890
Sample ID: LCS-16890	Laboratory Control Sample				Run: SUB-C93209				11/20/07 21:42
Lead	0.45	mg/L	0.050	91	85	115			
Manganese	0.45	mg/L	0.010	91	85	115			
Molybdenum	0.45	mg/L	0.10	91	85	115			
Nickel	0.45	mg/L	0.050	91	85	115			
Silver	0.23	mg/L	0.010	115	85	115			
Uranium	0.46	mg/L	0.00032	91	85	115			
Vanadium	0.45	mg/L	0.10	90	85	115			
Zinc	0.45	mg/L	0.010	90	85	115			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93179
Sample ID: LRB	Method Blank				Run: SUB-C93179				11/19/07 10:45
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	0.0001	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93179				11/19/07 10:51
Arsenic	0.0511	mg/L	0.0010	102	85	115			
Barium	0.0508	mg/L	0.0010	102	85	115			
Cadmium	0.0524	mg/L	0.0010	105	85	115			
Chromium	0.0515	mg/L	0.0010	103	85	115			
Copper	0.0514	mg/L	0.0010	103	85	115			
Lead	0.0520	mg/L	0.0010	104	85	115			
Manganese	0.0520	mg/L	0.0010	104	85	115			
Mercury	0.00523	mg/L	0.0010	105	85	115			
Molybdenum	0.0521	mg/L	0.0010	104	85	115			
Nickel	0.0515	mg/L	0.0010	103	85	115			
Thorium 232	0.0527	mg/L	0.0010	105	85	115			
Uranium	0.0534	mg/L	0.00030	107	85	115			
Vanadium	0.0521	mg/L	0.0010	104	85	115			
Zinc	0.0536	mg/L	0.0010	105	85	115			
Sample ID: C07110547-012DMS4	Post Digestion Spike				Run: SUB-C93179				11/20/07 00:48
Arsenic	0.0519	mg/L	0.0010	102	70	130			
Barium	0.140	mg/L	0.10	103	70	130			
Cadmium	0.0505	mg/L	0.010	101	70	130			
Chromium	0.0456	mg/L	0.050	91	70	130			
Copper	0.0468	mg/L	0.010	93	70	130			
Lead	0.0520	mg/L	0.050	104	70	130			
Manganese	0.0497	mg/L	0.010	89	70	130			
Mercury	0.00578	mg/L	0.0010	116	70	130			
Molybdenum	0.0492	mg/L	0.10	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R93179	
Sample ID: C07110547-012DMS4	Post Digestion Spike				Run: SUB-C93179			11/20/07 00:48	
Nickel	0.0449	mg/L	0.050	90	70	130			
Thorium 232	0.0532	mg/L	0.0010	106	70	130			
Uranium	0.0548	mg/L	0.00030	107	70	130			
Vanadium	0.0471	mg/L	0.10	94	70	130			
Zinc	0.0551	mg/L	0.010	107	70	130			
Sample ID: C07110547-012DMSD4	Post Digestion Spike Duplicate				Run: SUB-C93179			11/20/07 00:54	
Arsenic	0.0516	mg/L	0.0010	101	70	130	0.4	20	
Barium	0.139	mg/L	0.10	101	70	130	0.6	20	
Cadmium	0.0506	mg/L	0.010	101	70	130	0.2	20	
Chromium	0.0458	mg/L	0.050	91	70	130	0.0	20	
Copper	0.0463	mg/L	0.010	92	70	130	0.9	20	
Lead	0.0518	mg/L	0.050	104	70	130	0.4	20	
Manganese	0.0500	mg/L	0.010	89	70	130	0.7	20	
Mercury	0.00570	mg/L	0.0010	114	70	130	1.3	20	
Molybdenum	0.0496	mg/L	0.10	96	70	130	0.0	20	
Nickel	0.0439	mg/L	0.050	88	70	130	0.0	20	
Thorium 232	0.0528	mg/L	0.0010	106	70	130	0.8	20	
Uranium	0.0546	mg/L	0.00030	107	70	130	0.4	20	
Vanadium	0.0473	mg/L	0.10	95	70	130	0.0	20	
Zinc	0.0500	mg/L	0.010	97	70	130	9.7	20	
Sample ID: C07110706-003DMS4	Post Digestion Spike				Run: SUB-C93179			11/20/07 02:29	
Arsenic	0.0898	mg/L	0.0010	103	70	130			
Barium	0.114	mg/L	0.10	102	70	130			
Cadmium	0.0507	mg/L	0.010	101	70	130			
Chromium	0.0476	mg/L	0.050	95	70	130			
Copper	0.0498	mg/L	0.010	98	70	130			
Lead	0.0518	mg/L	0.050	103	70	130			
Manganese	0.210	mg/L	0.010	92	70	130			
Mercury	0.00532	mg/L	0.0010	106	70	130			
Molybdenum	0.0514	mg/L	0.10	102	70	130			
Nickel	0.0498	mg/L	0.050	100	70	130			
Thorium 232	0.0541	mg/L	0.0010	108	70	130			
Uranium	0.0592	mg/L	0.00030	107	70	130			
Vanadium	0.0499	mg/L	0.10	98	70	130			
Zinc	0.0541	mg/L	0.010	98	70	130			
Sample ID: C07110706-003DMSD4	Post Digestion Spike Duplicate				Run: SUB-C93179			11/20/07 02:50	
Arsenic	0.0883	mg/L	0.0010	100	70	130	1.7	20	
Barium	0.111	mg/L	0.10	96	70	130	2.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93179
Sample ID: C07110706-003DMSD4	Post Digestion Spike Duplicate				Run: SUB-C93179			11/20/07 02:50	
Cadmium	0.0493	mg/L	0.010	99	70	130	2.8	20	
Chromium	0.0477	mg/L	0.050	95	70	130	0.0	20	
Copper	0.0485	mg/L	0.010	96	70	130	2.6	20	
Lead	0.0496	mg/L	0.050	99	70	130	0.0	20	
Manganese	0.213	mg/L	0.010	98	70	130	1.5	20	
Mercury	0.00503	mg/L	0.0010	101	70	130	5.6	20	
Molybdenum	0.0517	mg/L	0.10	102	70	130	0.0	20	
Nickel	0.0487	mg/L	0.050	97	70	130	0.0	20	
Thorium 232	0.0518	mg/L	0.0010	104	70	130	4.4	20	
Uranium	0.0571	mg/L	0.00030	103	70	130	3.5	20	
Vanadium	0.0497	mg/L	0.10	98	70	130	0.0	20	
Zinc	0.0543	mg/L	0.010	98	70	130	0.3	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R93267	
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93267			11/21/07 22:44	
Aluminum	0.0462	mg/L	0.0010	92	85	115			
Arsenic	0.0508	mg/L	0.0010	102	85	115			
Copper	0.0517	mg/L	0.0010	103	85	115			
Manganese	0.0497	mg/L	0.0010	99	85	115			
Nickel	0.0508	mg/L	0.0010	102	85	115			
Zinc	0.0523	mg/L	0.0010	102	85	115			
Sample ID: C07110795-006BMS4	Post Digestion Spike				Run: SUB-C93267			11/22/07 00:46	
Aluminum	1.17	mg/L	0.10	89	70	130			
Arsenic	1.55	mg/L	0.0015	103	70	130			
Copper	1.09	mg/L	0.010	87	70	130			
Manganese	2.45	mg/L	0.010	93	70	130			
Nickel	1.21	mg/L	0.050	97	70	130			
Zinc	1.27	mg/L	0.010	100	70	130			
Sample ID: C07110795-006BMSD4	Post Digestion Spike Duplicate				Run: SUB-C93267			11/22/07 00:53	
Aluminum	1.13	mg/L	0.10	86	70	130	3.6	20	
Arsenic	1.52	mg/L	0.0015	100	70	130	2.3	20	
Copper	1.09	mg/L	0.010	87	70	130	0.0	20	
Manganese	2.43	mg/L	0.010	91	70	130	0.9	20	
Nickel	1.22	mg/L	0.050	97	70	130	0.3	20	
Zinc	1.26	mg/L	0.010	99	70	130	0.9	20	
Sample ID: LRB	Method Blank				Run: SUB-C93267			11/21/07 22:37	
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Copper	ND	mg/L	7E-05						
Manganese	6E-05	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Zinc	0.001	mg/L	0.0003						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93352
Sample ID: LRB	Method Blank				Run: SUB-C93352				11/26/07 11:53
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93352				11/26/07 12:00
Silver	0.0196	mg/L	0.0010	98	85	115			
Sample ID: R07110147-001E	Post Digestion Spike				Run: SUB-C93352				11/26/07 12:20
Silver	0.188	mg/L	0.010	94	70	130			
Sample ID: R07110147-001E	Post Digestion Spike Duplicate				Run: SUB-C93352				11/26/07 12:27
Silver	0.190	mg/L	0.010	95	70	130	1.2	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32251
Sample ID: LFB0711142429-3	Laboratory Fortified Blank				Run: DIONEX_071114A				11/14/07 18:41
Chloride	4.81	mg/L	0.50	96	90	110			
Fluoride	1.96	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.43	mg/L	0.10	97	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0711142429-4	Laboratory Fortified Blank				Run: DIONEX_071114A				11/14/07 18:57
Chloride	4.95	mg/L	0.50	99	90	110			
Fluoride	2.02	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.50	mg/L	0.10	100	90	110			
Sulfate	14.5	mg/L	1.0	97	90	110			
Sample ID: R07110147-001AMS	Sample Matrix Spike				Run: DIONEX_071114A				11/15/07 02:54
Chloride	268	mg/L	2.0	94	80	120			
Fluoride	103	mg/L	3.2	103	80	120			
Nitrogen, Nitrate as N	125	mg/L	0.84	100	80	120			
Sulfate	2930	mg/L	36	73	80	120			S
Sample ID: R07110147-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071114A				11/15/07 03:10
Chloride	261	mg/L	2.0	91	80	120	2.8	10	
Fluoride	99.9	mg/L	3.2	100	80	120	3.1	10	
Nitrogen, Nitrate as N	121	mg/L	0.84	97	80	120	2.8	10	
Sulfate	2940	mg/L	36	73	80	120	0.1	10	S
Sample ID: R07110122-002BMS	Sample Matrix Spike				Run: DIONEX_071114A				11/15/07 06:53
Chloride	192	mg/L	0.80	80	80	120			
Fluoride	41.3	mg/L	1.3	103	80	120			
Nitrogen, Nitrate as N	50.5	mg/L	0.34	95	80	120			
Sulfate	913	mg/L	14	73	80	120			S
Sample ID: R07110122-002BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071114A				11/15/07 07:09
Chloride	190	mg/L	0.80	78	80	120	1.4	10	S
Fluoride	40.7	mg/L	1.3	102	80	120	1.4	10	
Nitrogen, Nitrate as N	49.1	mg/L	0.34	92	80	120	2.8	10	
Sulfate	898	mg/L	14	68	80	120	1.7	10	S

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32294
Sample ID: LFB0711160116-3	Laboratory Fortified Blank				Run: DIONEX_071116A				11/16/07 19:43
Chloride	4.74	mg/L	0.50	95	90	110			
Sample ID: LFB0711160116-4	Laboratory Fortified Blank				Run: DIONEX_071116A				11/16/07 19:59
Chloride	4.91	mg/L	0.50	98	90	110			
Sample ID: R07110196-001AMS	Sample Matrix Spike				Run: DIONEX_071116A				11/16/07 23:42
Chloride	17.2	mg/L	0.50	87	80	120			
Sample ID: R07110196-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071116A				11/16/07 23:58
Chloride	17.2	mg/L	0.50	86	80	120	0.2	10	
Method: E900.0									Batch: C_GrAB-0360
Sample ID: MB-GrAB-0360	Method Blank				Run: SUB-C93851				11/30/07 22:31
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0360	Laboratory Control Sample				Run: SUB-C93851				11/30/07 22:32
Gross Alpha	200	pCi/L	1.0	98	70	130			
Sample ID: Cs137-GrAB-0360	Laboratory Control Sample				Run: SUB-C93851				11/30/07 22:32
Gross Beta	90	pCi/L	2.0	97	70	130			
Sample ID: C07110713-001EMS	Sample Matrix Spike				Run: SUB-C93851				11/30/07 22:32
Gross Alpha	400	pCi/L	1.0	82	70	130			
Sample ID: C07110713-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93851				11/30/07 22:31
Gross Alpha	400	pCi/L	1.0	81	70	130	1.2	12.4	
Sample ID: C07110713-001EMS	Sample Matrix Spike				Run: SUB-C93851				11/30/07 22:31
Gross Beta	200	pCi/L	2.0	93	70	130			
Sample ID: C07110713-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93851				11/30/07 22:31
Gross Beta	200	pCi/L	2.0	87	70	130	6.7	15.6	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R93000
Sample ID: LCS-R93000	Laboratory Control Sample				Run: SUB-C93000				11/16/07 10:50
Cesium 137	1100	pCi/L	20	82	70	130			
Potassium 40	7000	pCi/L	20	105	70	130			
Sample ID: MB-R93000	Method Blank				Run: SUB-C93000				11/16/07 10:50
Gross Gamma	ND	pCi/L	20						
Sample ID: C07110603-010HDUP	Sample Duplicate				Run: SUB-C93000				11/16/07 10:50
Gross Gamma	2000	pCi/L	20				13	30	
Method: E903.0									Batch: C_16875
Sample ID: C07110557-001FMS	Sample Matrix Spike				Run: SUB-C93643				12/02/07 05:53
Radium 226	60	pCi/L	0.20	97	70	130			
Sample ID: C07110557-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C93643				12/02/07 06:53
Radium 226	54	pCi/L	0.20	86	70	130	10	30.1	
Sample ID: LCS-16875	Laboratory Control Sample				Run: SUB-C93643				12/03/07 03:02
Radium 226	11	pCi/L	0.20	88	70	130			
Sample ID: MB-16875	Method Blank				Run: SUB-C93643				12/03/07 04:02
Radium 226	ND	pCi/L	0.2						
Method: E903.0									Batch: C_RA226-2446
Sample ID: C07110687-003DMS	Sample Matrix Spike				Run: SUB-C93382				11/26/07 16:54
Radium 226	21	pCi/L	0.20	102	70	130			
Sample ID: C07110687-003DMSD	Sample Matrix Spike Duplicate				Run: SUB-C93382				11/26/07 17:54
Radium 226	23	pCi/L	0.20	109	70	130	6.9	27.9	
Sample ID: MB-RA226-2446	Method Blank				Run: SUB-C93382				11/27/07 03:58
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2446	Laboratory Control Sample				Run: SUB-C93382				11/27/07 05:59
Radium 226	12	pCi/L	0.20	98	70	130			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2447
Sample ID: C07110704-001AMS	Sample Matrix Spike				Run: SUB-C93327				11/26/07 13:48
Radium 226	22	pCi/L	0.20	94	70	130			
Sample ID: C07110704-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93327				11/26/07 13:48
Radium 226	22	pCi/L	0.20	92	70	130	1.3	27.5	
Sample ID: MB-RA226-2447	Method Blank				Run: SUB-C93327				11/26/07 13:48
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2447	Laboratory Control Sample				Run: SUB-C93327				11/26/07 13:48
Radium 226	13	pCi/L	0.20	100	70	130			
Method: E907.0									Batch: C_16875
Sample ID: C07110603-008IDUP	Sample Duplicate				Run: SUB-C93872				11/26/07 14:10
Thorium 230	0.233	pCi/L	0.20		70	130	2.6	30	
Sample ID: C07110603-009IMS	Sample Matrix Spike				Run: SUB-C93872				11/26/07 14:10
Thorium 230	3.25	pCi/L	0.20	87	70	130			
Sample ID: LCS-16875	Laboratory Control Sample				Run: SUB-C93872				11/26/07 14:10
Thorium 230	54.8	pCi/L	0.21	94	70	130			
Sample ID: MB-16875	Method Blank				Run: SUB-C93872				11/26/07 14:10
Thorium 230	ND	pCi/L	0.2						
Method: E907.0									Batch: C_R93922
Sample ID: LCS-R93922	Laboratory Control Sample				Run: SUB-C93922				11/28/07 15:00
Thorium 230	5.70	pCi/L	0.20	97	70	130			
Sample ID: C07110687-002DMS	Sample Matrix Spike				Run: SUB-C93922				11/28/07 15:00
Thorium 230	18.0	pCi/L	0.20	92	70	130			
Sample ID: C07110687-002DMSD	Sample Matrix Spike Duplicate				Run: SUB-C93922				11/28/07 15:00
Thorium 230	18.5	pCi/L	0.20	94	70	130	2.7	30	
Sample ID: MB-R93922	Method Blank				Run: SUB-C93922				11/28/07 15:00
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R95122
Sample ID: LCS-R95122	Laboratory Control Sample				Run: SUB-C95122				12/27/07 15:15
Thorium 230	5.30	pCi/L	0.20	108	70	130			
Sample ID: C07120686-002AMS	Sample Matrix Spike				Run: SUB-C95122				12/27/07 15:15
Thorium 230	15.2	pCi/L	0.20	93	70	130			
Sample ID: C07120686-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C95122				12/27/07 15:15
Thorium 230	15.1	pCi/L	0.20	93	70	130	0.7	30	
Sample ID: MB-R95122	Method Blank				Run: SUB-C95122				12/27/07 15:15
Thorium 230	ND	pCi/L	0.2						
Method: E907.0									Batch: C_R95271
Sample ID: C07120475-003AMS	Sample Matrix Spike				Run: SUB-C95271				12/27/07 14:30
Thorium 230	53.2	pCi/Filter	0.20	92	70	130			
Sample ID: C07120475-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C95271				12/27/07 14:30
Thorium 230	56.3	pCi/Filter	0.20	96	70	130	5.7	30	
Sample ID: LCS-17292	Laboratory Control Sample				Run: SUB-C95271				12/27/07 14:30
Thorium 230	6.10	pCi/Filter	0.20	103	70	130			
Sample ID: MB-17292	Method Blank				Run: SUB-C95271				12/27/07 14:30
Thorium 230	ND	pCi/Filter	0.2						
Method: E909.0M									Batch: C_16875
Sample ID: C07110603-001IMS	Sample Matrix Spike				Run: SUB-C93672				12/03/07 04:30
Lead 210	330	pCi/L	1.0	83	70	130			
Sample ID: C07110603-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C93672				12/03/07 04:30
Lead 210	360	pCi/L	1.0	89	70	130	6.7	30	
Sample ID: MB-R93672	Method Blank				Run: SUB-C93672				12/03/07 04:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R93672	Laboratory Control Sample				Run: SUB-C93672				12/03/07 04:30
Lead 210	85	pCi/L	1.0	106	70	130			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110147

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_R93516
Sample ID: C07110728-001AMS	Sample Matrix Spike				Run: SUB-C93516				11/21/07 07:30
Lead 210	390	pCi/L	1.0	97	70	130			
Sample ID: C07110728-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93516				11/21/07 07:30
Lead 210	440	pCi/L	1.0	109	70	130	12	30	
Sample ID: MB-R93516	Method Blank				Run: SUB-C93516				11/21/07 07:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R93516	Laboratory Control Sample				Run: SUB-C93516				11/21/07 07:30
Lead 210	98	pCi/L	1.0	122	70	130			
Method: RMO-3008									Batch: C_16875
Sample ID: C07110603-006IMS	Sample Matrix Spike				Run: SUB-C93514				11/26/07 12:30
Polonium 210	24	pCi/L	1.0	85	70	130			
Sample ID: C07110603-006IMSD	Sample Matrix Spike Duplicate				Run: SUB-C93514				11/26/07 12:30
Polonium 210	21	pCi/L	1.0	73	70	130	15	30	
Sample ID: LCS-R93514	Laboratory Control Sample				Run: SUB-C93514				11/26/07 12:30
Polonium 210	19	pCi/L	1.0	86	70	130			
Sample ID: MB-R93514	Method Blank				Run: SUB-C93514				11/26/07 12:30
Polonium 210	ND	pCi/L	1						
Method: RMO-3008									Batch: C_R93504
Sample ID: C07110759-004HMS	Sample Matrix Spike				Run: SUB-C93504				11/20/07 13:30
Polonium 210	180	pCi/L	1.0	81	70	130			
Sample ID: C07110759-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C93504				11/20/07 13:30
Polonium 210	170	pCi/L	1.0	76	70	130	6.2	30	
Sample ID: LCS-R93504	Laboratory Control Sample				Run: SUB-C93504				11/20/07 13:30
Polonium 210	17	pCi/L	1.0	77	70	130			
Sample ID: MB-R93504	Method Blank				Run: SUB-C93504				11/20/07 13:30
Polonium 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT - Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: PowerTech Dewey Burdock	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: 3824 Jet Dr. Rapid City, SD 57703	Contact Name: Cory Foreman Phone/Fax: Cory.Foreman@respec.com 605.394.6400	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:	Invoice Contact & Phone: ↑	Purchase Order:	Quote/Bottle Order:

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

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

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

ANALYSIS REQUESTED: As per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: SW

Shipped by:

Cooler ID(s):

Receipt Temp: 3.9 °C CICA

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX												
1	DewBurd Sub02	11/12/07	1250	W											Set 4	
2	DewBurd Sub04	11/12/07	1350	W											Set 2	
3	DewBurd Sub03	11/12/07	1450	W											Set 1	
4	DewBurd Sub07	11/12/07	1645	W											Set 3	
5																
6																
7																
8																
9																
10																

LABORATORY USE ONLY: R07110847

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Relinquished by (print):	Date/Time: 11/13/07 0807	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: _____	Lab Disposal: _____		Received by Laboratory: Linda Larson	Date/Time: 11/13/07 807	Signature:

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

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ANALYTICAL SUMMARY REPORT

January 29, 2008

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

Workorder No.: R07110229 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 11/19/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07110229-001	DewBurdCHR01	11/19/07 9:45	11/19/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07110229-002	DewBurdBVC01	11/19/07 11:30	11/19/07	Aqueous	Same As Above
R07110229-003	DewBurdBVC04	11/19/07 12:30	11/19/07	Aqueous	Same As Above
R07110229-004	DewBurdCHR05	11/19/07 15:00	11/19/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-001
Client Sample ID: DewBurdCHR01

Report Date: 01/29/08
Collection Date: 11/19/07 09:45
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	11/20/07 09:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	322	mg/L		5		1	A2320 B	12/03/07 15:45/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/03/07 15:45/sn
Bicarbonate as HCO3	393	mg/L		5		1	A2320 B	12/03/07 15:45/sn
Calcium	411	mg/L	D	1		10	E200.7	12/03/07 16:53/eli-c
Chloride	176	mg/L		1		20	E300.0	11/20/07 20:42/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	11/20/07 21:29/jmh
Magnesium	201	mg/L		0.5		1	E200.7	12/04/07 16:49/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	11/29/07 16:36/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/20/07 21:29/jmh
Potassium	15	mg/L		1		10	E200.7	12/03/07 16:53/eli-c
Silica	12.4	mg/L		0.5		10	E200.7	12/03/07 16:53/eli-c
Sodium	1530	mg/L	D	8		10	E200.7	12/03/07 16:53/eli-c
Sulfate	4520	mg/L	D	40		50	E300.0	11/21/07 19:32/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	7530	umhos/cm		5.0		1	A2510 B	11/26/07 15:30/jmh
pH	7.63	s.u.		0.01		1	A4500-H B	11/26/07 15:06/jmh
Sodium Adsorption Ratio (SAR)	15	meq/L		0.10		1	Calculation	12/24/07 14:51/sec
Solids, Suspended Sediment SSC @ 105 C	10	mg/L		5		1	D3977	11/27/07 15:14/jmh
Solids, Total Dissolved TDS @ 180 C	7100	mg/L		5		1	A2540 C	11/26/07 15:46/jmh
Solids, Total Suspended TSS @ 105 C	8	mg/L		5		1	A2540 D	11/19/07 19:01/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	11/27/07 00:01/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	11/27/07 00:01/eli-c
Barium	ND	mg/L		0.1		10	E200.8	11/27/07 00:01/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	12/04/07 16:49/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	11/27/07 00:01/eli-c
Chromium	ND	mg/L		0.01		10	E200.8	11/27/07 00:01/eli-c
Copper	ND	mg/L		0.01		10	E200.8	11/27/07 00:01/eli-c
Iron	0.06	mg/L		0.03		1	E200.7	12/04/07 16:49/eli-c
Lead	ND	mg/L		0.001		10	E200.8	11/27/07 00:01/eli-c
Manganese	3.01	mg/L		0.01		10	E200.8	11/27/07 00:01/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/27/07 00:01/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	11/27/07 00:01/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-001
Client Sample ID: DewBurdCHR01

Report Date: 01/29/08
Collection Date: 11/19/07 09:45
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		10	E200.8	11/27/07 00:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/27/07 23:51/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	11/27/07 00:01/eli-c
Uranium	0.0310	mg/L		0.0003		10	E200.8	11/27/07 00:01/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	11/27/07 00:01/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	11/27/07 00:01/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/03/07 13:24/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	12/03/07 13:24/eli-c
METALS - TOTAL								
Aluminum	0.1	mg/L		0.1		5	E200.8	11/29/07 23:29/eli-c
Arsenic	ND	mg/L		0.001		5	E200.8	11/29/07 04:25/eli-c
Barium	ND	mg/L		0.1		5	E200.8	11/29/07 04:25/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	12/04/07 17:02/eli-c
Cadmium	ND	mg/L		0.005		5	E200.8	11/29/07 04:25/eli-c
Chromium	ND	mg/L		0.05		5	E200.8	11/29/07 04:25/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	11/20/07 18:07/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/24/07 14:52/sec
Copper	ND	mg/L		0.01		5	E200.8	11/29/07 04:25/eli-c
Iron	0.61	mg/L		0.03		1	E200.7	12/04/07 17:02/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/26/07 16:28/eli-c
Manganese	2.66	mg/L		0.01		5	E200.8	11/29/07 04:25/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/27/07 22:59/eli-c
Molybdenum	ND	mg/L		0.1		5	E200.8	11/29/07 04:25/eli-c
Nickel	ND	mg/L		0.05		5	E200.8	11/29/07 04:25/eli-c
Silver	ND	mg/L		0.005		5	E200.8	11/29/07 04:25/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/26/07 16:28/eli-c
Uranium	0.0316	mg/L		0.0003		1	E200.8	11/26/07 16:28/eli-c
Vanadium	ND	mg/L		0.1		5	E200.8	11/29/07 04:25/eli-c
Zinc	0.02	mg/L		0.01		5	E200.8	11/29/07 04:25/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/03/07 14:59/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:40/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-001
Client Sample ID: DewBurdCHR01

Report Date: 01/29/08
Collection Date: 11/19/07 09:45
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/03/07 15:08/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:49/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/27/07 08:00/eli-c
Polonium 210	1.7	pCi/L		1.0		1	RMO-3008	11/28/07 12:30/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	11/28/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/04/07 15:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/29/07 14:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/04/07 11:15/eli-c
Polonium 210	2.3	pCi/L		1.0		1	RMO-3008	12/05/07 12:00/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	12/05/07 12:00/eli-c
Radium 226	0.6	pCi/L		0.2		1	E903.0	12/11/07 09:36/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	12/11/07 09:36/eli-c
Thorium 230	3.8	pCi/L		0.2		1	E907.0	12/05/07 15:00/eli-c
Thorium 230 precision (±)	1.0	pCi/L				1	E907.0	12/05/07 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	27.0	pCi/L		1.0		1	E900.0	12/06/07 20:59/eli-c
Gross Alpha precision (±)	5.3	pCi/L				1	E900.0	12/06/07 20:59/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	12/06/07 20:59/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	11/28/07 11:35/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	11/28/07 11:35/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/24/07 11:00/eli-c
Polonium 210	4.0	pCi/L		1.0		1	RMO-3008	12/24/07 11:00/eli-c
Polonium 210 precision (±)	1.9	pCi/L				1	RMO-3008	12/24/07 11:00/eli-c
Radium 226	0.6	pCi/L		0.2		1	E903.0	12/24/07 11:00/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	12/24/07 11:00/eli-c
Thorium 230	3.8	pCi/L		0.2		1	E907.0	12/24/07 11:00/eli-c
Thorium 230 precision (±)	1.0	pCi/L				1	E907.0	12/24/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.593	%				1	A1030 E	12/24/07 14:55/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-001
Client Sample ID: DewBurdCHR01

Report Date: 01/29/08
Collection Date: 11/19/07 09:45
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Anions	105	meq/L				1	A1030 E	12/24/07 14:55/sec
Cations	104	meq/L				1	A1030 E	12/24/07 14:55/sec
Solids, Total Dissolved Calculated	7040	mg/L				1	A1030 E	12/24/07 14:55/sec
TDS Balance (0.80 - 1.20)	1.00	dec. %				1	A1030 E	12/24/07 14:55/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-002
Client Sample ID: DewBurdBVC01

Report Date: 01/29/08
Collection Date: 11/19/07 11:30
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	30	CFU/100ml	D	2		2	A9222 D	11/20/07 09:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	196	mg/L		5		1	A2320 B	12/03/07 15:48/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/03/07 15:48/sn
Bicarbonate as HCO3	239	mg/L		5		1	A2320 B	12/03/07 15:48/sn
Calcium	379	mg/L	D	1		10	E200.7	12/03/07 16:56/eli-c
Chloride	1370	mg/L	D	4		100	E300.0	11/21/07 19:48/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	11/20/07 22:01/jmh
Magnesium	209	mg/L		0.5		1	E200.7	12/04/07 16:52/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	11/29/07 16:38/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/20/07 22:01/jmh
Potassium	11	mg/L		1		10	E200.7	12/03/07 16:56/eli-c
Silica	1.6	mg/L		0.5		1	E200.7	12/04/07 16:52/eli-c
Sodium	1240	mg/L	D	8		10	E200.7	12/03/07 16:56/eli-c
Sulfate	2540	mg/L	D	70		100	E300.0	11/21/07 19:48/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	7290	umhos/cm		5.0		1	A2510 B	11/26/07 15:31/jmh
pH	7.77	s.u.		0.01		1	A4500-H B	11/26/07 15:07/jmh
Sodium Adsorption Ratio (SAR)	13	meq/L		0.10		1	Calculation	12/24/07 14:51/sec
Solids, Suspended Sediment SSC @ 105 C	20	mg/L		5		1	D3977	11/27/07 15:14/jmh
Solids, Total Dissolved TDS @ 180 C	6100	mg/L		5		1	A2540 C	11/26/07 15:46/jmh
Solids, Total Suspended TSS @ 105 C	20	mg/L		5		1	A2540 D	11/19/07 19:01/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	11/27/07 00:08/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	11/27/07 00:08/eli-c
Barium	ND	mg/L		0.1		10	E200.8	11/27/07 00:08/eli-c
Boron	0.6	mg/L		0.1		1	E200.7	12/04/07 16:52/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	11/27/07 00:08/eli-c
Chromium	ND	mg/L		0.01		10	E200.8	11/27/07 00:08/eli-c
Copper	ND	mg/L		0.01		10	E200.8	11/27/07 00:08/eli-c
Iron	0.18	mg/L		0.03		1	E200.7	12/04/07 16:52/eli-c
Lead	ND	mg/L		0.001		10	E200.8	11/27/07 00:08/eli-c
Manganese	0.23	mg/L		0.01		10	E200.8	11/27/07 00:08/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/27/07 00:08/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	11/27/07 00:08/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-002
Client Sample ID: DewBurdBVC01

Report Date: 01/29/08
Collection Date: 11/19/07 11:30
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		10	E200.8	11/27/07 00:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/27/07 23:59/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	11/27/07 00:08/eli-c
Uranium	0.0182	mg/L		0.0003		10	E200.8	11/27/07 00:08/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	11/27/07 00:08/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	11/27/07 00:08/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/03/07 13:31/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/03/07 13:31/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		5	E200.8	11/29/07 23:36/eli-c
Arsenic	ND	mg/L		0.001		5	E200.8	11/29/07 04:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/27/07 23:06/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	12/04/07 17:06/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/27/07 23:06/eli-c
Chromium	ND	mg/L		0.05		5	E200.8	11/29/07 04:32/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	11/20/07 17:55/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/24/07 14:52/sec
Copper	ND	mg/L		0.01		5	E200.8	11/29/07 04:32/eli-c
Iron	0.05	mg/L		0.03		1	E200.7	12/04/07 17:06/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/26/07 16:36/eli-c
Manganese	0.18	mg/L		0.01		5	E200.8	11/29/07 04:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/27/07 23:06/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/27/07 23:06/eli-c
Nickel	ND	mg/L		0.05		5	E200.8	11/29/07 04:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/27/07 23:06/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/26/07 16:36/eli-c
Uranium	0.0180	mg/L		0.0003		1	E200.8	11/26/07 16:36/eli-c
Vanadium	ND	mg/L		0.1		5	E200.8	11/29/07 04:32/eli-c
Zinc	0.03	mg/L		0.01		5	E200.8	11/29/07 04:32/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/03/07 15:01/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:42/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-002
Client Sample ID: DewBurdBVC01

Report Date: 01/29/08
Collection Date: 11/19/07 11:30
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/03/07 15:10/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:51/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	4.6	pCi/L		1.0		1	E909.0M	11/27/07 08:00/eli-c
Lead 210 precision (±)	1.7	pCi/L				1	E909.0M	11/27/07 08:00/eli-c
Polonium 210	1.9	pCi/L		1.0		1	RMO-3008	11/28/07 12:30/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	11/28/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/04/07 15:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/29/07 14:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/04/07 11:15/eli-c
Polonium 210	2.5	pCi/L		1.0		1	RMO-3008	12/05/07 12:00/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	12/05/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/11/07 09:36/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/05/07 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	65.8	pCi/L		1.0		1	E900.0	12/06/07 20:59/eli-c
Gross Alpha precision (±)	6.6	pCi/L				1	E900.0	12/06/07 20:59/eli-c
Gross Beta	44.4	pCi/L		2.0		1	E900.0	12/06/07 20:59/eli-c
Gross Beta precision (±)	14.1	pCi/L				1	E900.0	12/06/07 20:59/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	11/28/07 11:35/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	11/28/07 11:35/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	4.6	pCi/L		1.0		1	E909.0M	12/24/07 11:00/eli-c
Lead 210 precision (±)	1.7	pCi/L				1	E909.0M	12/24/07 11:00/eli-c
Polonium 210	4.4	pCi/L		1.0		1	RMO-3008	12/24/07 11:00/eli-c
Polonium 210 precision (±)	2.1	pCi/L				1	RMO-3008	12/24/07 11:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/24/07 11:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/24/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.71	%				1	A1030 E	12/24/07 14:56/sec
Anions	95.3	meq/L				1	A1030 E	12/24/07 14:56/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-002
Client Sample ID: DewBurdBVC01

Report Date: 01/29/08
Collection Date: 11/19/07 11:30
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	90.3	meq/L				1	A1030 E	12/24/07 14:56/sec
Solids, Total Dissolved Calculated	5860	mg/L				1	A1030 E	12/24/07 14:56/sec
TDS Balance (0.80 - 1.20)	1.04	dec. %				1	A1030 E	12/24/07 14:56/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-003
Client Sample ID: DewBurdBVC04

Report Date: 01/29/08
Collection Date: 11/19/07 12:30
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	11/20/07 09:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	176	mg/L		5		1	A2320 B	12/03/07 15:50/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/03/07 15:50/sn
Bicarbonate as HCO3	215	mg/L		5		1	A2320 B	12/03/07 15:50/sn
Calcium	426	mg/L	D	1		10	E200.7	12/03/07 16:59/eli-c
Chloride	1040	mg/L	D	4		100	E300.0	11/21/07 20:04/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	11/20/07 22:33/jmh
Magnesium	140	mg/L		0.5		1	E200.7	12/04/07 16:56/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	11/29/07 16:40/sn
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	11/20/07 22:33/jmh
Potassium	7	mg/L		1		1	E200.7	12/04/07 16:56/eli-c
Silica	9.1	mg/L		0.5		1	E200.7	12/04/07 16:56/eli-c
Sodium	736	mg/L	D	8		10	E200.7	12/03/07 16:59/eli-c
Sulfate	1920	mg/L	D	10		20	E300.0	11/20/07 22:17/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5460	umhos/cm		5.0		1	A2510 B	11/26/07 15:33/jmh
pH	7.97	s.u.		0.01		1	A4500-H B	11/26/07 15:08/jmh
Sodium Adsorption Ratio (SAR)	7.9	meq/L		0.10		1	Calculation	12/24/07 14:51/sec
Solids, Suspended Sediment SSC @ 105 C	14	mg/L		5		1	D3977	11/27/07 15:15/jmh
Solids, Total Dissolved TDS @ 180 C	4500	mg/L		5		1	A2540 C	11/26/07 15:47/jmh
Solids, Total Suspended TSS @ 105 C	16	mg/L		5		1	A2540 D	11/19/07 19:01/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	11/27/07 00:15/eli-c
Arsenic	0.001	mg/L		0.001		10	E200.8	11/27/07 00:15/eli-c
Barium	ND	mg/L		0.1		10	E200.8	11/27/07 00:15/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	12/04/07 16:56/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	11/27/07 00:15/eli-c
Chromium	ND	mg/L		0.01		10	E200.8	11/27/07 00:15/eli-c
Copper	ND	mg/L		0.01		10	E200.8	11/27/07 00:15/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/04/07 16:56/eli-c
Lead	ND	mg/L		0.001		10	E200.8	11/27/07 00:15/eli-c
Manganese	0.10	mg/L		0.01		10	E200.8	11/27/07 00:15/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/27/07 00:15/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	11/27/07 00:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-003
Client Sample ID: DewBurdBVC04

Report Date: 01/29/08
Collection Date: 11/19/07 12:30
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		10	E200.8	11/27/07 00:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/28/07 00:36/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	11/27/07 00:15/eli-c
Uranium	0.0189	mg/L		0.0003		10	E200.8	11/27/07 00:15/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	11/27/07 00:15/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	11/27/07 00:15/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/03/07 13:39/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/03/07 13:39/eli-c
METALS - TOTAL								
Aluminum	0.2	mg/L		0.1		5	E200.8	11/30/07 00:14/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	11/27/07 23:14/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/27/07 23:14/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	12/04/07 17:09/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/27/07 23:14/eli-c
Chromium	ND	mg/L		0.05		5	E200.8	11/29/07 04:40/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	11/20/07 17:48/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/24/07 14:52/sec
Copper	ND	mg/L		0.01		5	E200.8	11/29/07 04:40/eli-c
Iron	0.31	mg/L		0.03		1	E200.7	12/04/07 17:09/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/26/07 16:43/eli-c
Manganese	0.10	mg/L		0.01		5	E200.8	11/29/07 04:40/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/27/07 23:14/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/27/07 23:14/eli-c
Nickel	ND	mg/L		0.05		5	E200.8	11/29/07 04:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/27/07 23:14/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/26/07 16:43/eli-c
Uranium	0.0177	mg/L		0.0003		1	E200.8	11/26/07 16:43/eli-c
Vanadium	ND	mg/L		0.1		5	E200.8	11/29/07 04:40/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/27/07 23:14/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	0.004	mg/L		0.001		1	A3114 B	12/03/07 15:04/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:44/eli-c
Selenium-VI	0.004	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-003
Client Sample ID: DewBurdBVC04

Report Date: 01/29/08
Collection Date: 11/19/07 12:30
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	0.004	mg/L		0.001		1	A3114 B	12/03/07 15:25/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 10:06/eli-c
Selenium-VI	0.004	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/27/07 08:00/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	11/28/07 12:30/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	11/28/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/04/07 15:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/29/07 14:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/04/07 11:15/eli-c
Polonium 210	1.7	pCi/L		1.0		1	RMO-3008	12/05/07 12:00/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	12/05/07 12:00/eli-c
Radium 226	0.8	pCi/L		0.2		1	E903.0	12/11/07 09:36/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	12/11/07 09:36/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/05/07 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	34.7	pCi/L		1.0		1	E900.0	12/06/07 20:59/eli-c
Gross Alpha precision (±)	11.0	pCi/L				1	E900.0	12/06/07 20:59/eli-c
Gross Beta	48.1	pCi/L		2.0		1	E900.0	12/06/07 20:59/eli-c
Gross Beta precision (±)	27.4	pCi/L				1	E900.0	12/06/07 20:59/eli-c
Gross Gamma	1080	pCi/L		20.0		1	E901.1	11/28/07 11:35/eli-c
Gross Gamma precision (±)	172	pCi/L				1	E901.1	11/28/07 11:35/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/24/07 11:00/eli-c
Polonium 210	3.0	pCi/L		1.0		1	RMO-3008	12/24/07 11:00/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	12/24/07 11:00/eli-c
Radium 226	0.8	pCi/L		0.2		1	E903.0	12/24/07 11:00/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	12/24/07 11:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/24/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.84	%				1	A1030 E	12/24/07 14:56/sec
Anions	67.4	meq/L				1	A1030 E	12/24/07 14:56/sec

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-003
Client Sample ID: DewBurdBVC04

Report Date: 01/29/08
Collection Date: 11/19/07 12:30
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	65.0	meq/L				1	A1030 E	12/24/07 14:56/sec
Solids, Total Dissolved Calculated	4110	mg/L				1	A1030 E	12/24/07 14:56/sec
TDS Balance (0.80 - 1.20)	1.09	dec. %				1	A1030 E	12/24/07 14:56/sec
- Ion Balance achieved using Sulfate from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-004
Client Sample ID: DewBurdCHR05

Report Date: 01/29/08
Collection Date: 11/19/07 15:00
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	26	CFU/100ml	D	2		2	A9222 D	11/20/07 09:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	12/03/07 15:54/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/03/07 15:54/sn
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	12/03/07 15:54/sn
Calcium	389	mg/L	D	1		10	E200.7	12/03/07 17:02/eli-c
Chloride	912	mg/L	D	2		50	E300.0	11/21/07 20:19/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/21/07 00:09/jmh
Magnesium	164	mg/L		0.5		1	E200.7	12/04/07 16:59/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	11/29/07 16:42/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/21/07 00:09/jmh
Potassium	12	mg/L		1		1	E200.7	12/04/07 16:59/eli-c
Silica	4.4	mg/L		0.5		1	E200.7	12/04/07 16:59/eli-c
Sodium	974	mg/L	D	8		10	E200.7	12/03/07 17:02/eli-c
Sulfate	2340	mg/L	D	40		50	E300.0	11/21/07 20:19/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6090	umhos/cm		5.0		1	A2510 B	11/26/07 15:35/jmh
pH	7.95	s.u.		0.01		1	A4500-H B	11/26/07 15:09/jmh
Sodium Adsorption Ratio (SAR)	10	meq/L		0.10		1	Calculation	12/24/07 14:51/sec
Solids, Suspended Sediment SSC @ 105 C	17	mg/L		5		1	D3977	11/27/07 15:15/jmh
Solids, Total Dissolved TDS @ 180 C	5200	mg/L		5		1	A2540 C	11/26/07 15:47/jmh
Solids, Total Suspended TSS @ 105 C	16	mg/L		5		1	A2540 D	11/19/07 19:01/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	11/27/07 00:22/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	11/27/07 00:22/eli-c
Barium	ND	mg/L		0.1		10	E200.8	11/27/07 00:22/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	12/04/07 16:59/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	11/27/07 00:22/eli-c
Chromium	ND	mg/L		0.01		10	E200.8	11/27/07 00:22/eli-c
Copper	ND	mg/L		0.01		10	E200.8	11/27/07 00:22/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/04/07 16:59/eli-c
Lead	ND	mg/L		0.001		10	E200.8	11/27/07 00:22/eli-c
Manganese	0.16	mg/L		0.01		10	E200.8	11/27/07 00:22/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/27/07 00:22/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	11/27/07 00:22/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-004
Client Sample ID: DewBurdCHR05

Report Date: 01/29/08
Collection Date: 11/19/07 15:00
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		10	E200.8	11/27/07 00:22/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/28/07 00:44/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	11/27/07 00:22/eli-c
Uranium	0.0151	mg/L		0.0003		10	E200.8	11/27/07 00:22/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	11/27/07 00:22/eli-c
Zinc	ND	mg/L		0.01		10	E200.8	11/27/07 00:22/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/03/07 13:46/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/03/07 13:46/eli-c
METALS - TOTAL								
Aluminum	0.1	mg/L		0.1		5	E200.8	11/30/07 00:21/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	11/26/07 17:20/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/26/07 17:20/eli-c
Boron	0.3	mg/L		0.1		1	E200.7	12/04/07 17:12/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/27/07 23:21/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/26/07 17:20/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	11/20/07 18:07/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	12/24/07 14:52/sec
Copper	ND	mg/L		0.01		1	E200.8	11/26/07 17:20/eli-c
Iron	0.24	mg/L		0.03		1	E200.7	12/04/07 17:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/26/07 17:20/eli-c
Manganese	0.23	mg/L		0.01		1	E200.8	11/26/07 17:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/27/07 23:21/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/26/07 17:20/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/26/07 17:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/26/07 17:20/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	11/26/07 17:20/eli-c
Uranium	0.0143	mg/L		0.0003		1	E200.8	11/26/07 17:20/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/26/07 17:20/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	11/26/07 17:20/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/03/07 15:06/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:46/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-004
Client Sample ID: DewBurdCHR05

Report Date: 01/29/08
Collection Date: 11/19/07 15:00
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/03/07 15:27/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 10:08/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/27/07 08:00/eli-c
Polonium 210	1.5	pCi/L		1.0		1	RMO-3008	11/28/07 12:30/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	11/28/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/04/07 15:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/29/07 14:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/04/07 11:15/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	12/05/07 12:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	12/05/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/11/07 09:36/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/05/07 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	16.8	pCi/L		1.0		1	E900.0	12/06/07 20:59/eli-c
Gross Alpha precision (±)	5.0	pCi/L				1	E900.0	12/06/07 20:59/eli-c
Gross Beta	38.0	pCi/L		2.0		1	E900.0	12/06/07 20:59/eli-c
Gross Beta precision (±)	14.0	pCi/L				1	E900.0	12/06/07 20:59/eli-c
Gross Gamma	967	pCi/L		20.0		1	E901.1	11/28/07 11:35/eli-c
Gross Gamma precision (±)	180	pCi/L				1	E901.1	11/28/07 11:35/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/24/07 11:00/eli-c
Polonium 210	2.8	pCi/L		1.0		1	RMO-3008	12/24/07 11:00/eli-c
Polonium 210 precision (±)	1.6	pCi/L				1	RMO-3008	12/24/07 11:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/24/07 11:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/24/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.58	%				1	A1030 E	12/24/07 14:57/sec
Anions	78.0	meq/L				1	A1030 E	12/24/07 14:57/sec
Cations	75.6	meq/L				1	A1030 E	12/24/07 14:57/sec
Solids, Total Dissolved Calculated	4900	mg/L				1	A1030 E	12/24/07 14:57/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110229-004
Client Sample ID: DewBurdCHR05

Report Date: 01/29/08
Collection Date: 11/19/07 15:00
Date Received: 11/19/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.06	dec. %				1	A1030 E	12/24/07 14:57/sec

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071203A-ALK-SEL-W	
Sample ID: MBLK1_071203A	Method Blank				Run: PH_COND1-R_071203A			12/03/07 15:31	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_071203A	Laboratory Control Sample				Run: PH_COND1-R_071203A			12/03/07 15:32	
Alkalinity, Total as CaCO3	1000	mg/L	5.0	102	90	110			
Sample ID: R07110246-006BMS	Sample Matrix Spike				Run: PH_COND1-R_071203A			12/03/07 16:51	
Alkalinity, Total as CaCO3	310	mg/L	5.0	91	80	120			
Sample ID: R07110246-006BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_071203A			12/03/07 16:57	
Alkalinity, Total as CaCO3	300	mg/L	5.0	83	80	120	2.6	20	
Method: A2510 B								Batch: 071126_1_COND-PROBE-W	
Sample ID: LCS1-1_071126	Laboratory Control Sample				Run: PH_COND2-R_071126A			11/26/07 15:20	
Conductivity @ 25 C	151	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_071126	Laboratory Control Sample				Run: PH_COND2-R_071126A			11/26/07 15:20	
Conductivity @ 25 C	4960	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_071126	Laboratory Control Sample				Run: PH_COND2-R_071126A			11/26/07 15:22	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071126	Method Blank				Run: PH_COND2-R_071126A			11/26/07 15:23	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07110227-001ADUP	Sample Duplicate				Run: PH_COND2-R_071126A			11/26/07 15:27	
Conductivity @ 25 C	1020	umhos/cm	5.0				0.0	10	
Method: A2540 C								Batch: 071126A-SLDS-TDS-W	
Sample ID: MBLK1_071126A	Method Blank				Run: BAL-4-R_071126B			11/26/07 15:42	
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: LCS1_071126A	Laboratory Control Sample				Run: BAL-4-R_071126B			11/26/07 15:43	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	105	90	110			
Sample ID: R07110245-002BMS	Sample Matrix Spike				Run: BAL-4-R_071126B			11/26/07 15:49	
Solids, Total Dissolved TDS @ 180 C	1900	mg/L	5.0	95	80	120			
Sample ID: R07110245-002BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071126B			11/26/07 15:50	
Solids, Total Dissolved TDS @ 180 C	1900	mg/L	5.0	110	80	120	1.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 071119A-SLDS-TSS-W	
Sample ID: MBLK1_071119A	Method Blank				Run: BAL-4-R_071119A			11/19/07 13:41	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_071119A	Laboratory Control Sample				Run: BAL-4-R_071119A			11/19/07 13:42	
Solids, Total Suspended TSS @ 105 C	210	mg/L	5.0	106	85	115			
Method: A3114 B								Batch: C_16944	
Sample ID: MB-16944	Method Blank				Run: SUB-C93347			11/26/07 16:54	
Selenium	ND	mg/L	0.0004						
Sample ID: LCS-16944	Laboratory Control Sample				Run: SUB-C93347			11/26/07 17:30	
Selenium	0.50	mg/L	0.0088	101	90	110			
Sample ID: R07110229-003H	Sample Matrix Spike				Run: SUB-C93669			12/03/07 15:46	
Selenium	0.052	mg/L	0.0010	96	85	115			
Sample ID: R07110229-003H	Sample Matrix Spike Duplicate				Run: SUB-C93669			12/03/07 15:48	
Selenium	0.050	mg/L	0.0010	92	85	115	4.1	10	
Method: A3114 B								Batch: C_SE3114-071203	
Sample ID: MBLK	Method Blank				Run: SUB-C93637			12/03/07 09:29	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: R07110184-001E	Sample Matrix Spike				Run: SUB-C93637			12/03/07 09:53	
Selenium-IV	0.050	mg/L	0.0010	99	85	115			
Sample ID: R07110184-001E	Sample Matrix Spike Duplicate				Run: SUB-C93637			12/03/07 09:55	
Selenium-IV	0.050	mg/L	0.0010	99	85	115	0.0	10	
Sample ID: 301-119-5	Laboratory Control Sample				Run: SUB-C93637			12/03/07 09:57	
Selenium-IV	0.050	mg/L	0.0010	100	90	110			
Sample ID: R07110229-003H	Sample Matrix Spike				Run: SUB-C93637			12/03/07 10:10	
Selenium-IV	0.052	mg/L	0.0010	105	85	115			
Sample ID: R07110229-003H	Sample Matrix Spike Duplicate				Run: SUB-C93637			12/03/07 10:12	
Selenium-IV	0.051	mg/L	0.0010	103	85	115	2.1	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-071203B	
Sample ID: MBLK	Method Blank				Run: SUB-C93669			12/03/07 14:47	
Selenium	ND	mg/L	0.0004						
Sample ID: C07110759-001EMS	Sample Matrix Spike				Run: SUB-C93669			12/03/07 15:12	
Selenium	0.049	mg/L	0.0010	97	85	115			
Sample ID: C07110759-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93669			12/03/07 15:14	
Selenium	0.050	mg/L	0.0010	101	85	115	3.6	10	
Sample ID: 301-119-4	Laboratory Control Sample				Run: SUB-C93669			12/03/07 15:16	
Selenium	0.050	mg/L	0.0010	100	90	110			
Method: A3500-Cr B								Batch: 071120A-CR-HEX-W	
Sample ID: MBLK1_071120A	Method Blank				Run: SPEC1_071120A			11/20/07 17:43	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS1_071120A	Laboratory Control Sample				Run: SPEC1_071120A			11/20/07 17:46	
Chromium, Hexavalent	0.21	mg/L	0.0050	103	80	120			
Sample ID: R07110229-001DMS	Sample Matrix Spike				Run: SPEC1_071120A			11/20/07 17:46	
Chromium, Hexavalent	0.20	mg/L	0.0050	102	80	120			
Sample ID: R07110229-002DMS	Sample Matrix Spike				Run: SPEC1_071120A			11/20/07 17:47	
Chromium, Hexavalent	0.21	mg/L	0.0050	103	80	120			
Sample ID: R07110229-003DMS	Sample Matrix Spike				Run: SPEC1_071120A			11/20/07 17:48	
Chromium, Hexavalent	0.21	mg/L	0.0050	103	80	120			
Sample ID: R07110229-004DMS	Sample Matrix Spike				Run: SPEC1_071120A			11/20/07 17:48	
Chromium, Hexavalent	0.21	mg/L	0.0050	103	80	120			
Method: A4500-H B								Batch: 071126_1_PH-W	
Sample ID: LCS_pH-1_071126	Laboratory Control Sample				Run: PH_COND2-R_071126A			11/26/07 15:00	
pH	6.86	s.u.	0.010	100	98.55	101.45			
Sample ID: R07110216-001BDUP	Sample Duplicate				Run: PH_COND2-R_071126A			11/26/07 15:05	
pH	8.26	s.u.	0.010				0.2	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2007-11-29_2_NH3_01	
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_071129A			11/29/07 14:58	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	90	90	110			
Sample ID: LFB-5	Laboratory Fortified Blank				Run: TECHAA2-R_071129A			11/29/07 14:59	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	95	90	110			
Sample ID: MBLK-6	Method Blank				Run: TECHAA2-R_071129A			11/29/07 15:00	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: R07110229-001BDUP	Sample Duplicate				Run: TECHAA2-R_071129A			11/29/07 16:37	
Nitrogen, Ammonia as N	ND	mg/L	0.10				0.0	10	
Sample ID: R07110229-002BMS	Sample Matrix Spike				Run: TECHAA2-R_071129A			11/29/07 16:39	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	90	80	120			
Method: A9222 D								Batch: 071120-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_071120A			11/20/07 09:00	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						
Sample ID: R07110208-001A	Sample Duplicate				Run: MEMFILT_071120A			11/20/07 09:00	
Bacteria, Fecal Coliform	ND	CFU/100ml	2.0				0.0	10	
Method: E200.7								Batch: C_16944	
Sample ID: MB-16944	Method Blank				Run: SUB-C93677			12/03/07 14:51	
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS-16944	Laboratory Control Sample				Run: SUB-C93677			12/03/07 15:01	
Boron	0.45	mg/L	0.10	90	85	115			
Iron	0.48	mg/L	0.030	95	85	115			
Sample ID: R07110229-001F	Sample Matrix Spike				Run: SUB-C93677			12/03/07 17:25	
Boron	9.00	mg/L	0.13	88	70	130			
Iron	9.41	mg/L	0.087	89	70	130			
Sample ID: R07110229-001F	Sample Matrix Spike Duplicate				Run: SUB-C93677			12/03/07 17:29	
Boron	9.31	mg/L	0.13	92	70	130	3.4	20	
Iron	9.46	mg/L	0.087	89	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R93677
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C93677				12/03/07 12:19
Calcium	ND	mg/L	0.50		85	125			S
Potassium	0.093	mg/L	0.50		85	125			S
Sodium	ND	mg/L	0.76		85	125			S
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93677				12/03/07 12:22
Calcium	26	mg/L	0.50	102	85	125			
Potassium	28	mg/L	0.50	111	85	125			
Sodium	27	mg/L	0.76	109	85	125			
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C93677				12/03/07 13:44
Silica	2.0	mg/L	0.10	101	85	125			
Sample ID: C07111052-001EMS1	Sample Matrix Spike				Run: SUB-C93677				12/03/07 17:55
Calcium	61.3	mg/L	0.50	86	70	130			
Potassium	54.4	mg/L	0.50	82	70	130			
Sodium	124	mg/L	0.76	88	70	130			
Sample ID: C07111052-001EMSD1	Sample Matrix Spike Duplicate				Run: SUB-C93677				12/03/07 17:58
Calcium	62.1	mg/L	0.50	87	70	130	1.3	20	
Potassium	55.2	mg/L	0.50	84	70	130	1.5	20	
Sodium	123	mg/L	0.76	86	70	130	0.9	20	
Method: E200.7									Batch: C_R93762
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C93762				12/04/07 10:30
Silica	2.0	mg/L	0.10	99	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	2.0	mg/L	0.030	99	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93762				12/04/07 10:33
Magnesium	26	mg/L	0.50	105	85	125			
Potassium	27	mg/L	0.50	110	85	125			
Sample ID: LCS-17008	Laboratory Control Sample				Run: SUB-C93762				12/04/07 11:48
Boron	0.48	mg/L	0.10	95	85	115			
Iron	0.50	mg/L	0.030	99	85	115			
Magnesium	45	mg/L	0.50	91	85	115			
Potassium	47	mg/L	0.50	95	85	115			
Silica	0.49	mg/L	0.10	99	85	115			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7_8									Batch: C_R93762
Sample ID: C07110911-007CMS	Sample Matrix Spike				Run: SUB-C93762				12/04/07 12:31
Boron	0.92	mg/L	0.10	92	70	130			
Iron	1.0	mg/L	0.030	88	70	130			
Magnesium	66	mg/L	0.50	82	70	130			
Potassium	110	mg/L	0.50	89	70	130			
Silica	9.9	mg/L	0.10		0	0			A
Sample ID: C07110911-007CMSD	Sample Matrix Spike Duplicate				Run: SUB-C93762				12/04/07 12:34
Boron	0.92	mg/L	0.10	92	70	130	0.5	20	
Iron	1.0	mg/L	0.030	88	70	130	0.5	20	
Magnesium	66	mg/L	0.50	81	70	130	0.6	20	
Potassium	110	mg/L	0.50	86	70	130	3.0	20	
Silica	10.0	mg/L	0.10		70	130	0.7	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16944
Sample ID: MB-16944	Method Blank				Run: SUB-C93362				11/26/07 14:59
Arsenic	ND	mg/L	0.0001						
Barium	0.0003	mg/L	8E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	ND	mg/L	0.0002						
Copper	0.0001	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	0.0003	mg/L	5E-05						
Mercury	ND	mg/L	3E-05						
Molybdenum	0.0003	mg/L	0.0002						
Nickel	ND	mg/L	6E-05						
Silver	ND	mg/L	0.0002						
Thorium 232	ND	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	0.0001						
Zinc	0.002	mg/L	0.002						
Sample ID: LCS1-16944	Laboratory Control Sample				Run: SUB-C93362				11/26/07 15:07
Arsenic	0.020	mg/L	0.0010	100	80	120			
Barium	0.021	mg/L	0.10	105	80	120			
Cadmium	0.019	mg/L	0.010	96	80	120			
Chromium	0.021	mg/L	0.050	103	80	120			
Copper	0.021	mg/L	0.010	102	80	120			
Lead	0.020	mg/L	0.050	102	80	120			
Manganese	0.020	mg/L	0.010	99	80	120			
Molybdenum	0.020	mg/L	0.10	96	80	120			
Nickel	0.021	mg/L	0.050	103	80	120			
Silver	0.021	mg/L	0.010	105	80	120			
Thorium 232	0.019	mg/L	0.0010	93	80	120			
Uranium	0.019	mg/L	0.00030	95	80	120			
Vanadium	0.020	mg/L	0.10	100	80	120			
Zinc	0.023	mg/L	0.010	102	80	120			
Sample ID: LCS-16944	Laboratory Control Sample				Run: SUB-C93432				11/27/07 22:14
Aluminum	0.52	mg/L	0.10	103	85	115			
Arsenic	0.51	mg/L	0.0013	101	85	115			
Barium	0.49	mg/L	0.10	97	85	115			
Cadmium	0.48	mg/L	0.010	97	85	115			
Chromium	0.49	mg/L	0.050	98	85	115			
Copper	0.51	mg/L	0.010	102	85	115			
Lead	0.49	mg/L	0.050	97	85	115			
Manganese	0.50	mg/L	0.010	100	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16944
Sample ID: LCS-16944	Laboratory Control Sample				Run: SUB-C93432				11/27/07 22:14
Molybdenum	0.47	mg/L	0.10	95	85	115			
Nickel	0.50	mg/L	0.050	101	85	115			
Silver	0.19	mg/L	0.010	96	85	115			
Uranium	0.49	mg/L	0.00038	98	85	115			
Vanadium	0.49	mg/L	0.10	97	85	115			
Zinc	0.52	mg/L	0.017	103	85	115			
Sample ID: R07110229-004F	Post Digestion Spike				Run: SUB-C93565				11/30/07 00:29
Aluminum	0.504	mg/L	0.10	154	70	130			S
Arsenic	0.274	mg/L	0.0010	109	70	130			
Barium	0.326	mg/L	0.10	115	70	130			
Cadmium	0.261	mg/L	0.010	104	70	130			
Chromium	0.266	mg/L	0.050	106	70	130			
Copper	0.253	mg/L	0.010	98	70	130			
Lead	0.277	mg/L	0.050	111	70	130			
Manganese	0.484	mg/L	0.010	109	70	130			
Mercury	0.0290	mg/L	0.0010	116	70	130			
Molybdenum	0.285	mg/L	0.10	113	70	130			
Nickel	0.254	mg/L	0.050	97	70	130			
Silver	0.103	mg/L	0.010	103	70	130			
Thorium 232	0.285	mg/L	0.0010	114	70	130			
Uranium	0.304	mg/L	0.00030	116	70	130			
Vanadium	0.273	mg/L	0.10	109	70	130			
Zinc	0.265	mg/L	0.010	97	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: R07110229-004F	Post Digestion Spike Duplicate				Run: SUB-C93565				11/30/07 00:36
Aluminum	0.661	mg/L	0.10	217	70	130	27	20	SR
Arsenic	0.270	mg/L	0.0010	108	70	130	1.2	20	
Barium	0.321	mg/L	0.10	113	70	130	1.6	20	
Cadmium	0.265	mg/L	0.010	105	70	130	1.5	20	
Chromium	0.266	mg/L	0.050	106	70	130	0.0	20	
Copper	0.256	mg/L	0.010	100	70	130	1.2	20	
Lead	0.277	mg/L	0.050	111	70	130	0.2	20	
Manganese	0.485	mg/L	0.010	109	70	130	0.1	20	
Mercury	0.0287	mg/L	0.0010	115	70	130	0.7	20	
Molybdenum	0.288	mg/L	0.10	114	70	130	1.1	20	
Nickel	0.263	mg/L	0.050	101	70	130	3.3	20	
Silver	0.107	mg/L	0.010	107	70	130	3.4	20	
Thorium 232	0.292	mg/L	0.0010	117	70	130	2.2	20	
Uranium	0.305	mg/L	0.00030	116	70	130	0.3	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16944
Sample ID: R07110229-004F	Post Digestion Spike Duplicate				Run: SUB-C93565				11/30/07 00:36
Vanadium	0.271	mg/L	0.10	109	70	130	0.6	20	
Zinc	0.283	mg/L	0.010	104	70	130	6.3	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Method: E200.8									Batch: C_17017
Sample ID: MB-17017	Method Blank				Run: SUB-C93696				12/03/07 13:01
Thorium 232	0.0002	mg/L							
Uranium	ND	mg/L	4E-05						
Sample ID: LCS1-17017	Laboratory Control Sample				Run: SUB-C93696				12/03/07 13:09
Uranium	0.0631	mg/L	0.00030	100	80	120			
Sample ID: R07110229-004K	Post Digestion Spike				Run: SUB-C93696				12/03/07 13:54
Thorium 232	0.0252	mg/L	0.0010	105	70	130			
Uranium	0.0250	mg/L	0.00030	105	70	130			
Sample ID: R07110229-004K	Post Digestion Spike Duplicate				Run: SUB-C93696				12/03/07 14:24
Thorium 232	0.0257	mg/L	0.0010	107	70	130	2.0	20	
Uranium	0.0253	mg/L	0.00030	106	70	130	1.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93352
Sample ID: LRB	Method Blank				Run: SUB-C93352				11/26/07 11:53
Aluminum	0.002	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	ND	mg/L	4E-05						
Copper	0.0001	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93352				11/26/07 12:00
Aluminum	0.0525	mg/L	0.0010	102	85	115			
Arsenic	0.0515	mg/L	0.0010	103	85	115			
Barium	0.0518	mg/L	0.0010	103	85	115			
Cadmium	0.0519	mg/L	0.0010	104	85	115			
Chromium	0.0512	mg/L	0.0010	102	85	115			
Copper	0.0522	mg/L	0.0010	104	85	115			
Lead	0.0523	mg/L	0.0010	104	85	115			
Manganese	0.0516	mg/L	0.0010	103	85	115			
Mercury	0.00513	mg/L	0.0010	103	85	115			
Molybdenum	0.0515	mg/L	0.0010	103	85	115			
Nickel	0.0513	mg/L	0.0010	103	85	115			
Thorium 232	0.0522	mg/L	0.0010	104	85	115			
Uranium	0.0518	mg/L	0.00030	104	85	115			
Vanadium	0.0514	mg/L	0.0010	103	85	115			
Zinc	0.0533	mg/L	0.0010	103	85	115			
Sample ID: R07110184-004C	Post Digestion Spike				Run: SUB-C93352				11/26/07 19:09
Arsenic	0.507	mg/L	0.0010	101	70	130			
Barium	0.523	mg/L	0.10	100	70	130			
Cadmium	0.508	mg/L	0.010	102	70	130			
Chromium	0.515	mg/L	0.050	102	70	130			
Copper	0.513	mg/L	0.010	102	70	130			
Lead	0.512	mg/L	0.050	102	70	130			
Manganese	0.826	mg/L	0.010	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R93352	
Sample ID: R07110184-004C	Post Digestion Spike				Run: SUB-C93352			11/26/07 19:09	
Mercury	0.0531	mg/L	0.0010	106	70	130			
Molybdenum	0.508	mg/L	0.10	101	70	130			
Nickel	0.512	mg/L	0.050	102	70	130			
Thorium 232	0.508	mg/L	0.0010	102	70	130			
Uranium	0.505	mg/L	0.00030	101	70	130			
Vanadium	0.514	mg/L	0.10	103	70	130			
Zinc	0.421	mg/L	0.010	84	70	130			
Sample ID: R07110184-004C	Post Digestion Spike Duplicate				Run: SUB-C93352			11/26/07 19:29	
Arsenic	0.517	mg/L	0.0010	103	70	130	2.0	20	
Barium	0.525	mg/L	0.10	100	70	130	0.3	20	
Cadmium	0.515	mg/L	0.010	103	70	130	1.3	20	
Chromium	0.520	mg/L	0.050	103	70	130	0.9	20	
Copper	0.512	mg/L	0.010	102	70	130	0.1	20	
Lead	0.518	mg/L	0.050	104	70	130	1.1	20	
Manganese	0.830	mg/L	0.010	100	70	130	0.5	20	
Mercury	0.0529	mg/L	0.0010	106	70	130	0.4	20	
Molybdenum	0.516	mg/L	0.10	103	70	130	1.5	20	
Nickel	0.518	mg/L	0.050	104	70	130	1.1	20	
Thorium 232	0.510	mg/L	0.0010	102	70	130	0.4	20	
Uranium	0.507	mg/L	0.00030	101	70	130	0.3	20	
Vanadium	0.523	mg/L	0.10	105	70	130	1.9	20	
Zinc	0.445	mg/L	0.010	89	70	130	5.7	20	
Sample ID: C07110998-002BMS4	Post Digestion Spike				Run: SUB-C93352			11/26/07 23:14	
Arsenic	0.0539	mg/L	0.0010	104	70	130			
Barium	0.458	mg/L	0.10		70	130			A
Cadmium	0.0478	mg/L	0.010	95	70	130			
Chromium	0.0479	mg/L	0.050	92	70	130			
Copper	0.0528	mg/L	0.010	93	70	130			
Lead	0.0524	mg/L	0.050	105	70	130			
Manganese	0.0468	mg/L	0.010	92	70	130			
Mercury	0.00541	mg/L	0.0010	106	70	130			
Molybdenum	0.0527	mg/L	0.10	104	70	130			
Nickel	0.0542	mg/L	0.050	97	70	130			
Thorium 232	0.0557	mg/L	0.0010	111	70	130			
Uranium	0.126	mg/L	0.00030	106	70	130			
Vanadium	0.0514	mg/L	0.10	96	70	130			
Zinc	0.0408	mg/L	0.010	80	70	130			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R93352	
Sample ID: C07110998-002BMSD4	Post Digestion Spike Duplicate				Run: SUB-C93352			11/26/07 23:20	
Arsenic	0.0524	mg/L	0.0010	101	70	130	2.8	20	
Barium	0.459	mg/L	0.10		70	130	0.1	20	A
Cadmium	0.0471	mg/L	0.010	93	70	130	1.4	20	
Chromium	0.0482	mg/L	0.050	93	70	130	0.0	20	
Copper	0.0517	mg/L	0.010	91	70	130	2.1	20	
Lead	0.0518	mg/L	0.050	104	70	130	1.2	20	
Manganese	0.0467	mg/L	0.010	92	70	130	0.2	20	
Mercury	0.00555	mg/L	0.0010	109	70	130	2.5	20	
Molybdenum	0.0534	mg/L	0.10	105	70	130	0.0	20	
Nickel	0.0529	mg/L	0.050	95	70	130	2.4	20	
Thorium 232	0.0554	mg/L	0.0010	111	70	130	0.6	20	
Uranium	0.125	mg/L	0.00030	104	70	130	0.9	20	
Vanadium	0.0520	mg/L	0.10	97	70	130	0.0	20	
Zinc	0.0445	mg/L	0.010	87	70	130	8.5	20	
Method: E200.8								Batch: C_R93432	
Sample ID: LRB	Method Blank				Run: SUB-C93432			11/27/07 14:37	
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93432			11/27/07 14:44	
Silver	0.0434	mg/L	0.0010	109	85	115			
Sample ID: C07110770-011BMS4	Post Digestion Spike				Run: SUB-C93432			11/28/07 00:59	
Silver	0.174	mg/L	0.010	87	70	130			
Sample ID: C07110770-011BMSD4	Post Digestion Spike Duplicate				Run: SUB-C93432			11/28/07 01:07	
Silver	0.183	mg/L	0.010	91	70	130	5.0	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32339
Sample ID: LFB0711202015-3	Laboratory Fortified Blank				Run: DIONEX_071120A				11/20/07 19:38
Chloride	4.65	mg/L	0.50	93	90	110			
Fluoride	2.02	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.48	mg/L	0.10	99	90	110			
Sulfate	14.5	mg/L	1.0	97	90	110			
Sample ID: LFB0711202015-4	Laboratory Fortified Blank				Run: DIONEX_071120A				11/20/07 19:54
Chloride	4.68	mg/L	0.50	94	90	110			
Fluoride	1.95	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.40	mg/L	0.10	96	90	110			
Sulfate	14.2	mg/L	1.0	95	90	110			
Sample ID: R07110229-001AMS	Sample Matrix Spike				Run: DIONEX_071120A				11/20/07 20:58
Chloride	257	mg/L	0.80	81	80	120			
Fluoride	39.6	mg/L	1.3	99	80	120			
Nitrogen, Nitrate as N	46.7	mg/L	0.34	93	80	120			
Sulfate	4900	mg/L	14		80	120			A
Sample ID: R07110229-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071120A				11/20/07 21:13
Chloride	254	mg/L	0.80	78	80	120	1.3	10	S
Fluoride	39.1	mg/L	1.3	98	80	120	1.3	10	
Nitrogen, Nitrate as N	45.7	mg/L	0.34	91	80	120	2.3	10	
Sulfate	4840	mg/L	14		80	120	1.3	10	A
Sample ID: R07110229-004AMS	Sample Matrix Spike				Run: DIONEX_071120A				11/20/07 23:37
Chloride	972	mg/L	0.80		80	120			A
Fluoride	40.6	mg/L	1.3	101	80	120			
Nitrogen, Nitrate as N	48.5	mg/L	0.34	97	80	120			
Sulfate	2620	mg/L	14		80	120			A
Sample ID: R07110229-004AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071120A				11/20/07 23:53
Chloride	973	mg/L	0.80		80	120	0.1	10	A
Fluoride	40.0	mg/L	1.3	100	80	120	1.5	10	
Nitrogen, Nitrate as N	44.9	mg/L	0.34	90	80	120	7.7	10	
Sulfate	2630	mg/L	14		80	120	0.3	10	A

Qualifiers:

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ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32359
Sample ID: LFB0711215036-3	Laboratory Fortified Blank				Run: DIONEX_071121A				11/21/07 18:12
Chloride	4.87	mg/L	0.50	97	90	110			
Sulfate	14.7	mg/L	1.0	98	90	110			
Sample ID: LFB0711215036-4	Laboratory Fortified Blank				Run: DIONEX_071121A				11/21/07 18:28
Chloride	4.65	mg/L	0.50	93	90	110			
Sulfate	14.5	mg/L	1.0	97	90	110			
Sample ID: R07110255-001BMS	Sample Matrix Spike				Run: DIONEX_071121A				11/21/07 19:00
Chloride	24.4	mg/L	0.50		80	120			A
Sulfate	38.4	mg/L	1.0	81	80	120			
Sample ID: R07110255-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071121A				11/21/07 19:16
Chloride	24.6	mg/L	0.50		80	120	0.9	10	A
Sulfate	38.3	mg/L	1.0	81	80	120	0.2	10	
Method: E900.0									Batch: C_GrAB-0362
Sample ID: MB-GrAB-0362	Method Blank				Run: SUB-C93940				12/05/07 03:47
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0362	Laboratory Control Sample				Run: SUB-C93940				12/05/07 03:47
Gross Alpha	300	pCi/L	1.0	105	70	130			
Sample ID: Cs137-GrAB-0362	Laboratory Control Sample				Run: SUB-C93940				12/05/07 03:47
Gross Beta	90	pCi/L	2.0	91	70	130			
Sample ID: C07110703-001AMS	Sample Matrix Spike				Run: SUB-C93940				12/05/07 03:47
Gross Alpha	221	pCi/L	1.0	90	70	130			
Sample ID: C07110703-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93940				12/05/07 03:47
Gross Alpha	195	pCi/L	1.0	79	70	130	13	13	
Sample ID: C07110703-001AMS	Sample Matrix Spike				Run: SUB-C93940				12/05/07 03:47
Gross Beta	72.2	pCi/L	2.0	68	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the low response is considered to be matrix related. The batch is approved.									
Sample ID: C07110703-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93940				12/05/07 03:47
Gross Beta	86.6	pCi/L	2.0	83	70	130	18	20	

Qualifiers:

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S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1								Batch: C_R93522	
Sample ID: LCS-R93522	Laboratory Control Sample				Run: SUB-C93522			11/28/07 11:35	
Cesium 137	1160	pCi/L	20	82	70	130			
Potassium 40	7190	pCi/L	20	108	70	130			
Sample ID: MB-R93522	Method Blank				Run: SUB-C93522			11/28/07 11:35	
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Sample ID: R07110229-002I	Sample Duplicate				Run: SUB-C93522			11/28/07 11:35	
Bismuth 212	ND	pCi/L	20				0.0	30	
Bismuth 214	ND	pCi/L	20				0.0	30	
Cesium 134	ND	pCi/L	20				0.0	30	
Cesium 137	ND	pCi/L	20				0.0	30	
Cobalt 60	ND	pCi/L	20				0.0	30	
Iodine 125	ND	pCi/L	20				0.0	30	
Iodine 131	ND	pCi/L	20				0.0	30	
Lead 212	ND	pCi/L	20				0.0	30	
Lead 214	ND	pCi/L	20				0.0	30	
Manganese 54	ND	pCi/L	20				0.0	30	
Potassium 40	ND	pCi/L	20				0.0	30	
Radium 223	ND	pCi/L	20				0.0	30	
Radium 224	ND	pCi/L	20				0.0	30	
Thallium 208	ND	pCi/L	20				0.0	30	
Thorium 228	ND	pCi/L	20				0.0	30	
Thorium 234	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1								Batch: C_R93522	
Sample ID: R07110229-002I	Sample Duplicate				Run: SUB-C93522			11/28/07 11:35	
Zinc 65	ND	pCi/L	20				0.0	30	
Radium 228	ND	pCi/L	20				0.0	30	
Gross Gamma	ND	pCi/L	20				0.0	30	
Method: E903.0								Batch: C_RA226-2461	
Sample ID: C07110974-001DMS	Sample Matrix Spike				Run: SUB-C93741			12/04/07 15:46	
Radium 226	20	pCi/L	0.20	92	70	130			
Sample ID: C07110974-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C93741			12/04/07 17:06	
Radium 226	23	pCi/L	0.20	103	70	130	11	29.7	
Sample ID: MB-RA226-2461	Method Blank				Run: SUB-C93741			12/04/07 17:06	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2461	Laboratory Control Sample				Run: SUB-C93741			12/04/07 17:06	
Radium 226	12	pCi/L	0.20	95	70	130			
Method: E907.0								Batch: C_17017	
Sample ID: MB-17017	Method Blank				Run: SUB-C94041			12/05/07 15:00	
Thorium 230	ND	pCi/L	0.2						
Sample ID: C07111076-001ADUP	Sample Duplicate				Run: SUB-C94041			12/05/07 15:00	
Thorium 230	ND	pCi/Filter	0.20				0.0	30	
Sample ID: C07111076-002AMS	Sample Matrix Spike				Run: SUB-C94041			12/05/07 15:00	
Thorium 230	63.9	pCi/Filter	0.20	116	70	130			
Method: E907.0								Batch: C_R93936	
Sample ID: LCS-R93936	Laboratory Control Sample				Run: SUB-C93936			11/29/07 14:30	
Thorium 230	6.40	pCi/L	0.20	108	70	130			
Sample ID: C07110728-007AMS	Sample Matrix Spike				Run: SUB-C93936			11/29/07 14:30	
Thorium 230	69.2	pCi/L	0.20	118	70	130			
Sample ID: C07110728-007AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93936			11/29/07 14:30	
Thorium 230	60.3	pCi/L	0.20	103	70	130	14	30	
Sample ID: MB-R93936	Method Blank				Run: SUB-C93936			11/29/07 14:30	
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_17017
Sample ID: C07111199-002AMS	Sample Matrix Spike				Run: SUB-C93925				12/04/07 11:15
Lead 210	786	pCi/Filter	1.0	68	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the low response is considered to be matrix related. The batch is approved.									
Sample ID: C07111199-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93925				12/04/07 11:15
Lead 210	679	pCi/Filter	1.0	55	70	130	15	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the low response is considered to be matrix related. The batch is approved.									
Sample ID: MB-R93925	Method Blank				Run: SUB-C93925				12/04/07 11:15
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R93925	Laboratory Control Sample				Run: SUB-C93925				12/04/07 11:15
Lead 210	64	pCi/L	1.0	80	70	130			
Method: E909.0M									Batch: C_R93744
Sample ID: C07110947-004AMS	Sample Matrix Spike				Run: SUB-C93744				11/27/07 08:00
Lead 210	400	pCi/L	1.0	99	70	130			
Sample ID: C07110947-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93744				11/27/07 08:00
Lead 210	400	pCi/L	1.0	100	70	130	1.1	30	
Sample ID: MB-R93744	Method Blank				Run: SUB-C93744				11/27/07 08:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R93744	Laboratory Control Sample				Run: SUB-C93744				11/27/07 08:00
Lead 210	70	pCi/L	1.0	87	70	130			
Method: RMO-3008									Batch: C_17017
Sample ID: LCS-17017	Laboratory Control Sample				Run: SUB-C93991				12/05/07 12:00
Polonium 210	16	pCi/L	1.0	73	70	130			
Sample ID: MB-17017	Method Blank				Run: SUB-C93991				12/05/07 12:00
Polonium 210	ND	pCi/L	1						

Qualifiers:

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S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/29/08
Work Order: R07110229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R93732
Sample ID: C07110982-002EMS	Sample Matrix Spike				Run: SUB-C93732				11/28/07 12:30
Polonium 210	190	pCi/L	1.0	85	70	130			
Sample ID: C07110982-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93732				11/28/07 12:30
Polonium 210	200	pCi/L	1.0	87	70	130	2.0	30	
Sample ID: LCS-R93732	Laboratory Control Sample				Run: SUB-C93732				11/28/07 12:30
Polonium 210	19	pCi/L	1.0	84	70	130			
Sample ID: MB-R93732	Method Blank				Run: SUB-C93732				11/28/07 12:30
Polonium 210	ND	pCi/L	1						

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

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: Powertech Dewey Burdock	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: RESPEC	Contact Name: cory.foreman@respec.com Phone/Fax: 394-6800	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address: RESPEC	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

☐ DW ☐ GSA ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☐ A2LA ☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC

ANALYSIS REQUESTED: As per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: SW

Shipped by:

Cooler ID(s):

Receipt Temp 4.2 °C on ice

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Comments	LABORATORY USE ONLY
1	Dew Burd CHR01	11/19/07	0945	W	Bottle Set 5	B071102 29-001
2	Dew Burd BVC01	11/19/07	1130	W	Set 6	002
3	Dew Burd BVC04	11/19/07	1230	W	Set 9	003
4	Dew Burd CHR05	11/19/07	15:00	W	Set 11	004
5						
6						
7						
8						
9						
10						

Custody Record MUST be Signed

Relinquished by (print): Eric Krantz	Date/Time: 11/17/07 1730	Signature:	Received by (print): Steve Froiland
Relinquished by (print):	Date/Time:	Signature:	Received by (print):
Sample Disposal: Return to Client: _____	Lab Disposal: _____		Received by Laboratory:

Received by (print): Steve Froiland Date/Time: 11-19-07 1730 Signature: Steve Froiland

Received by (print): Date/Time: Signature:

Received by Laboratory: Date/Time: Signature:

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

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ANALYTICAL SUMMARY REPORT

January 30, 2008

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

Workorder No.: R07110302 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 11/28/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07110302-001	DewBurdSub08	11/27/07 8:35	11/28/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07110302-002	DewBurdSub06	11/27/07 9:36	11/28/07	Aqueous	Same As Above
R07110302-003	DewBurdSub11	11/27/07 10:08	11/28/07	Aqueous	Same As Above
R07110302-004	DewBurdBK01	11/27/07 21:45	11/28/07	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-001
Client Sample ID: DewBurdSub08

Report Date: 01/30/08
Collection Date: 11/27/07 08:35
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	2	CFU/100ml	D	2		2	A9222 D	11/28/07 10:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	136	mg/L		5		1	A2320 B	12/11/07 18:01/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:01/sn
Bicarbonate as HCO3	166	mg/L		5		1	A2320 B	12/11/07 18:01/sn
Calcium	134	mg/L		0.5		1	E200.7	12/19/07 16:56/eli-c
Chloride	26	mg/L		1		5	E300.0	11/30/07 01:44/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/29/07 00:03/jmh
Magnesium	55.9	mg/L		0.5		1	E200.7	12/19/07 16:56/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:00/sn
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	11/29/07 00:03/jmh
Potassium	13	mg/L		1		1	E200.7	12/19/07 16:56/eli-c
Silica	7.0	mg/L		0.5		1	E200.7	12/19/07 16:56/eli-c
Sodium	576	mg/L	D	8		10	E200.7	12/19/07 15:18/eli-c
Sulfate	1580	mg/L	D	40		50	E300.0	11/28/07 23:47/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3160	umhos/cm		5.0		1	A2510 B	12/02/07 13:22/jmh
pH	7.59	s.u.		0.01		1	A4500-H B	12/02/07 13:43/jmh
Sodium Adsorption Ratio (SAR)	11	meq/L		0.10		1	Calculation	01/16/08 18:29/sec
Solids, Suspended Sediment SSC @ 105 C	11	mg/L		5		1	D3977	12/04/07 15:16/jmh
Solids, Total Dissolved TDS @ 180 C	2600	mg/L		5		1	A2540 C	12/03/07 13:35/jmh
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	12/03/07 12:17/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/08/07 00:13/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/08/07 00:13/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/08/07 00:13/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	12/19/07 16:56/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/08/07 00:13/eli-c
Chromium	ND	mg/L		0.01		10	E200.8	12/08/07 00:13/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/08/07 00:13/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/19/07 16:56/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/08/07 00:13/eli-c
Manganese	0.09	mg/L		0.01		10	E200.8	12/08/07 00:13/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/08/07 00:13/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/08/07 00:13/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-001
Client Sample ID: DewBurdSub08

Report Date: 01/30/08
Collection Date: 11/27/07 08:35
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		10	E200.8	12/08/07 00:13/eli-c
Silver	ND	mg/L		0.005		10	E200.8	12/08/07 00:13/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	12/08/07 00:13/eli-c
Uranium	0.0028	mg/L		0.0003		10	E200.8	12/08/07 00:13/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/08/07 00:13/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	12/08/07 00:13/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/13/07 20:36/eli-c
Uranium	0.0010	mg/L		0.0003		1	E200.8	12/13/07 20:36/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	12/29/07 03:47/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/29/07 03:47/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/01/08 05:43/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	01/02/08 18:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/29/07 03:47/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/29/07 03:47/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	11/28/07 15:06/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	01/16/08 18:32/sec
Copper	ND	mg/L		0.01		1	E200.8	12/29/07 03:47/eli-c
Iron	0.10	mg/L		0.03		1	E200.7	01/02/08 18:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/29/07 03:47/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	12/29/07 03:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/29/07 03:47/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/29/07 03:47/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/01/08 05:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/29/07 03:47/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/29/07 03:47/eli-c
Uranium	0.0020	mg/L		0.0003		1	E200.8	12/29/07 03:47/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/29/07 03:47/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/29/07 03:47/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/30/07 10:26/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 09:34/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-001
Client Sample ID: DewBurdSub08

Report Date: 01/30/08
Collection Date: 11/27/07 08:35
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/30/07 11:01/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 10:20/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	4.6	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	0.5	pCi/L		0.2		1	E903.0	12/18/07 01:54/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/18/07 01:54/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/17/07 16:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/13/07 08:00/eli-c
Polonium 210	2.3	pCi/L		1.0		1	RMO-3008	12/18/07 12:00/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	12/18/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/19/07 11:19/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:10/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	4.8	pCi/L		1.0		1	E900.0	12/19/07 21:05/eli-c
Gross Alpha precision (±)	2.5	pCi/L				1	E900.0	12/19/07 21:05/eli-c
Gross Beta	9.7	pCi/L		2.0		1	E900.0	12/19/07 21:05/eli-c
Gross Beta precision (±)	7.1	pCi/L				1	E900.0	12/19/07 21:05/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	4.6	pCi/L		1.0		1	E909.0M	01/05/08 14:23/sec
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	01/05/08 14:23/sec
Polonium 210	2.3	pCi/L		1.0		1	RMO-3008	01/05/08 14:23/sec
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	01/05/08 14:23/sec
Radium 226	0.5	pCi/L		0.2		1	E903.0	01/05/08 14:23/sec
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	01/05/08 14:23/sec
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/05/08 14:23/sec
DATA QUALITY								
A/C Balance (± 5)	0.414	%				1	A1030 E	01/16/08 18:44/sec
Anions	36.4	meq/L				1	A1030 E	01/16/08 18:44/sec
Cations	36.7	meq/L				1	A1030 E	01/16/08 18:44/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-001
Client Sample ID: DewBurdSub08

Report Date: 01/30/08
Collection Date: 11/27/07 08:35
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Solids, Total Dissolved Calculated	2470	mg/L				1	A1030 E	01/16/08 18:44/sec
TDS Balance (0.80 - 1.20)	1.05	dec. %				1	A1030 E	01/16/08 18:44/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-002
Client Sample ID: DewBurdSub06

Report Date: 01/30/08
Collection Date: 11/27/07 09:36
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	11/28/07 10:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	12/11/07 18:02/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:02/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	12/11/07 18:02/sn
Calcium	471	mg/L	D	1		10	E200.7	12/19/07 15:21/eli-c
Chloride	7	mg/L		1		1	E300.0	11/29/07 01:39/jmh
Fluoride	5.5	mg/L		0.1		1	E300.0	11/29/07 01:39/jmh
Magnesium	707	mg/L		0.5		10	E200.7	12/19/07 15:21/eli-c
Nitrogen, Ammonia as N	3.4	mg/L	D	0.2		10	A4500-NH3 G	12/04/07 16:03/sn
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	11/29/07 01:39/jmh
Potassium	29	mg/L		1		1	E200.7	12/19/07 16:59/eli-c
Silica	34.1	mg/L		0.5		10	E200.7	12/19/07 15:21/eli-c
Sodium	86.1	mg/L	D	0.8		1	E200.7	12/19/07 16:59/eli-c
Sulfate	5700	mg/L	D	40		50	E300.0	11/29/07 00:51/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6390	umhos/cm		5.0		1	A2510 B	12/02/07 13:23/jmh
pH	3.20	s.u.		0.01		1	A4500-H B	12/02/07 13:44/jmh
Sodium Adsorption Ratio (SAR)	0.59	meq/L		0.10		1	Calculation	01/16/08 18:29/sec
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	12/04/07 15:17/jmh
Solids, Total Dissolved TDS @ 180 C	8600	mg/L		5		1	A2540 C	12/03/07 13:36/jmh
Solids, Total Suspended TSS @ 105 C	5	mg/L		5		1	A2540 D	12/03/07 12:18/jmh
METALS - DISSOLVED								
Aluminum	131	mg/L		0.1		10	E200.8	12/08/07 00:20/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	01/07/08 21:17/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/08/07 00:20/eli-c
Boron	ND	mg/L		0.1		1	E200.7	12/19/07 16:59/eli-c
Cadmium	0.026	mg/L		0.005		1	E200.8	01/07/08 21:17/eli-c
Chromium	ND	mg/L		0.01		10	E200.8	12/08/07 00:20/eli-c
Copper	0.10	mg/L		0.01		1	E200.8	01/07/08 21:17/eli-c
Iron	5.74	mg/L		0.03		1	E200.7	12/19/07 16:59/eli-c
Lead	0.001	mg/L		0.001		10	E200.8	12/08/07 00:20/eli-c
Manganese	249	mg/L		0.01		10	E200.7	12/19/07 15:21/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/08/07 00:20/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/08/07 00:20/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-002
Client Sample ID: DewBurdSub06

Report Date: 01/30/08
Collection Date: 11/27/07 09:36
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	5.58	mg/L		0.01		10	E200.8	12/08/07 00:20/eli-c
Silver	ND	mg/L		0.005		10	E200.8	12/08/07 00:20/eli-c
Thorium 232	0.010	mg/L		0.005		10	E200.8	12/08/07 00:20/eli-c
Uranium	5.84	mg/L		0.0003		1	E200.8	01/07/08 21:17/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/08/07 00:20/eli-c
Zinc	4.45	mg/L		0.01		1	E200.8	01/07/08 21:17/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/13/07 20:43/eli-c
Uranium	0.0013	mg/L		0.0003		1	E200.8	12/13/07 20:43/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	12/29/07 03:55/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	01/07/08 21:24/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/29/07 03:55/eli-c
Boron	ND	mg/L		0.1		1	E200.7	01/02/08 18:54/eli-c
Cadmium	0.027	mg/L		0.005		1	E200.8	01/07/08 21:24/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/29/07 03:55/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.02		5	A3500-Cr B	11/28/07 15:40/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	01/16/08 18:32/sec
Copper	0.10	mg/L		0.01		1	E200.8	01/07/08 21:24/eli-c
Iron	5.93	mg/L		0.03		1	E200.7	01/02/08 18:54/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	12/29/07 03:55/eli-c
Manganese	246	mg/L		0.01		10	E200.7	01/02/08 15:41/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/29/07 03:55/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/29/07 03:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/29/07 03:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/29/07 03:55/eli-c
Thorium 232	0.010	mg/L		0.005		1	E200.8	12/29/07 03:55/eli-c
Uranium	5.83	mg/L		0.0003		1	E200.8	01/07/08 21:24/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/29/07 03:55/eli-c
Zinc	4.46	mg/L		0.01		1	E200.8	01/07/08 21:24/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	0.014	mg/L		0.001		1	A3114 B	12/30/07 10:28/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 09:36/eli-c
Selenium-VI	0.014	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-002
Client Sample ID: DewBurdSub06

Report Date: 01/30/08
Collection Date: 11/27/07 09:36
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	0.013	mg/L		0.001		1	A3114 B	12/30/07 11:03/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 10:22/eli-c
Selenium-VI	0.013	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	1.7	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Polonium 210 precision (±)	1.6	pCi/L				1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	2.0	pCi/L		0.2		1	E903.0	12/18/07 02:54/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	12/18/07 02:54/eli-c
Thorium 230	27.8	pCi/L		0.2		1	E907.0	12/27/07 15:15/eli-c
Thorium 230 precision (±)	9.7	pCi/L				1	E907.0	12/27/07 15:15/eli-c
- Th230 was analyzed on two separate aliquots with low tracer recoveries; this poor response is matrix related.								
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/13/07 08:00/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	12/18/07 12:00/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	12/18/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/19/07 11:19/eli-c
Thorium 230	1	pCi/L		0.2		1	E907.0	12/12/07 16:10/eli-c
Thorium 230 precision (±)	0.6	pCi/L				1	E907.0	12/12/07 16:10/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	6780	pCi/L		1.0		1	E900.0	12/30/07 04:12/eli-c
Gross Alpha precision (±)	47.0	pCi/L				1	E900.0	12/30/07 04:12/eli-c
Gross Beta	3200	pCi/L		2.0		1	E900.0	12/30/07 04:12/eli-c
Gross Beta precision (±)	42.3	pCi/L				1	E900.0	12/30/07 04:12/eli-c
Gross Gamma	264	pCi/L		20.0		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	88.5	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	01/05/08 14:23/sec
Polonium 210	3.1	pCi/L		1.0		1	RMO-3008	01/05/08 14:23/sec
Polonium 210 precision (±)	2.1	pCi/L				1	RMO-3008	01/05/08 14:23/sec
Radium 226	2.0	pCi/L		0.2		1	E903.0	01/05/08 14:23/sec
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	01/05/08 14:23/sec
Thorium 230	28.8	pCi/L		0.2		1	E907.0	01/05/08 14:23/sec
Thorium 230 precision (±)	9.7	pCi/L				1	E907.0	01/05/08 14:23/sec

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-002
Client Sample ID: DewBurdSub06

Report Date: 01/30/08
Collection Date: 11/27/07 09:36
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)	-0.00889	%				1	A1030 E	01/17/08 13:51/sec
Anions	119	meq/L				1	A1030 E	01/17/08 13:51/sec
Cations	119	meq/L				1	A1030 E	01/17/08 13:51/sec
Solids, Total Dissolved Calculated	7020	mg/L				1	A1030 E	01/17/08 13:51/sec
TDS Balance (0.80 - 1.20)	1.23	dec. %				1	A1030 E	01/17/08 13:51/sec

- TDS balance may have been adversely affected by hydratable solids (Sodium and Magnesium Sulfates).

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: R07110302-003
Client Sample ID: DewBurdSub11

Report Date: 01/30/08
Collection Date: 11/27/07 10:08
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	12	CFU/100ml	D	2		2	A9222 D	11/28/07 10:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	56	mg/L		5		1	A2320 B	12/11/07 18:04/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:04/sn
Bicarbonate as HCO3	68	mg/L		5		1	A2320 B	12/11/07 18:04/sn
Calcium	14.8	mg/L		0.5		1	E200.7	12/19/07 17:03/eli-c
Chloride	2	mg/L		1		1	E300.0	11/29/07 02:11/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	11/29/07 02:11/jmh
Magnesium	4.2	mg/L		0.5		1	E200.7	12/19/07 17:03/eli-c
Nitrogen, Ammonia as N	2.1	mg/L	D	0.2		10	A4500-NH3 G	12/04/07 16:05/sn
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	11/29/07 02:11/jmh
Potassium	11	mg/L		1		1	E200.7	12/19/07 17:03/eli-c
Silica	7.1	mg/L		0.5		1	E200.7	12/19/07 17:03/eli-c
Sodium	5.1	mg/L	D	0.8		1	E200.7	12/19/07 17:03/eli-c
Sulfate	25	mg/L		1		1	E300.0	11/29/07 02:11/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	188	umhos/cm		5.0		1	A2510 B	12/02/07 13:24/jmh
pH	6.41	s.u.		0.01		1	A4500-H B	12/02/07 13:46/jmh
Sodium Adsorption Ratio (SAR)	0.30	meq/L		0.10		1	Calculation	01/16/08 18:29/sec
Solids, Suspended Sediment SSC @ 105 C	120	mg/L		5		1	D3977	12/04/07 15:18/jmh
Solids, Total Dissolved TDS @ 180 C	140	mg/L	H	5		1	A2540 C	01/23/08 15:08/ch
Solids, Total Suspended TSS @ 105 C	120	mg/L		5		1	A2540 D	12/03/07 15:30/jmh
- H-Original analysis was done within hold time. Data is from recheck analysis.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/08/07 00:26/eli-c
Arsenic	0.002	mg/L		0.001		10	E200.8	12/08/07 00:26/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/08/07 00:26/eli-c
Boron	ND	mg/L		0.1		1	E200.7	12/19/07 17:03/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/08/07 00:26/eli-c
Chromium	ND	mg/L		0.01		10	E200.8	12/08/07 00:26/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/08/07 00:26/eli-c
Iron	0.61	mg/L		0.03		1	E200.7	12/19/07 17:03/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/08/07 00:26/eli-c
Manganese	1.52	mg/L		0.01		10	E200.8	12/08/07 00:26/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/08/07 00:26/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/08/07 00:26/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-003
Client Sample ID: DewBurdSub11

Report Date: 01/30/08
Collection Date: 11/27/07 10:08
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		10	E200.8	12/08/07 00:26/eli-c
Silver	ND	mg/L		0.005		10	E200.8	12/08/07 00:26/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	12/08/07 00:26/eli-c
Uranium	0.0009	mg/L		0.0003		10	E200.8	12/08/07 00:26/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/08/07 00:26/eli-c
Zinc	0.03	mg/L		0.01		10	E200.8	12/08/07 00:26/eli-c
METALS - SUSPENDED								
Thorium 232	0.001	mg/L		0.001		1	E200.8	12/13/07 20:49/eli-c
Uranium	0.0017	mg/L		0.0003		1	E200.8	12/13/07 20:49/eli-c
METALS - TOTAL								
Aluminum	0.5	mg/L		0.1		1	E200.8	12/29/07 04:03/eli-c
Arsenic	0.005	mg/L		0.001		1	E200.8	12/29/07 04:03/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/01/08 05:50/eli-c
Boron	ND	mg/L		0.1		1	E200.7	01/02/08 18:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/29/07 04:03/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/29/07 04:03/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	11/28/07 15:07/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	01/16/08 18:32/sec
Copper	ND	mg/L		0.01		1	E200.8	12/29/07 04:03/eli-c
Iron	31.8	mg/L		0.03		1	E200.7	01/02/08 18:57/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	12/29/07 04:03/eli-c
Manganese	1.66	mg/L		0.01		1	E200.8	12/29/07 04:03/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/29/07 04:03/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/29/07 04:03/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/01/08 05:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/29/07 04:03/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/29/07 04:03/eli-c
Uranium	0.0016	mg/L		0.0003		1	E200.8	12/29/07 04:03/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/29/07 04:03/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/29/07 04:03/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/30/07 10:30/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 09:38/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-003
Client Sample ID: DewBurdSub11

Report Date: 01/30/08
Collection Date: 11/27/07 10:08
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/30/07 11:06/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 10:24/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/18/07 03:55/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 15:15/eli-c
- Th230 was analyzed on two separate aliquots with low tracer recoveries; this poor response is matrix related.								
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/13/07 08:00/eli-c
Polonium 210	1.8	pCi/L		1.0		1	RMO-3008	12/18/07 12:00/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	12/18/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/19/07 11:19/eli-c
Thorium 230	3.0	pCi/L		0.2		1	E907.0	12/12/07 16:10/eli-c
Thorium 230 precision (±)	0.8	pCi/L				1	E907.0	12/12/07 16:10/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	2.0	pCi/L		1.0		1	E900.0	12/19/07 21:05/eli-c
Gross Alpha precision (±)	0.6	pCi/L				1	E900.0	12/19/07 21:05/eli-c
Gross Beta	9.1	pCi/L		2.0		1	E900.0	12/19/07 21:05/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	12/19/07 21:05/eli-c
Gross Gamma	1100	pCi/L		20.0		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	202	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	01/05/08 14:23/sec
Polonium 210	1.8	pCi/L		1.0		1	RMO-3008	01/05/08 14:23/sec
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	01/05/08 14:23/sec
Radium 226	ND	pCi/L		0.2		1	E903.0	01/05/08 14:23/sec
Thorium 230	3.0	pCi/L		0.2		1	E907.0	01/05/08 14:23/sec
Thorium 230 precision (±)	0.8	pCi/L				1	E907.0	01/05/08 14:23/sec
DATA QUALITY								
A/C Balance (± 5)	4.50	%				1	A1030 E	01/24/08 14:34/sec
Anions	1.72	meq/L				1	A1030 E	01/24/08 14:34/sec
Cations	1.88	meq/L				1	A1030 E	01/24/08 14:34/sec

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-003
Client Sample ID: DewBurdSub11

Report Date: 01/30/08
Collection Date: 11/27/07 10:08
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Solids, Total Dissolved Calculated	97.0	mg/L				1	A1030 E	01/24/08 14:34/sec
TDS Balance (0.80 - 1.20)	1.48	dec. %				1	A1030 E	01/24/08 14:34/sec

- The TDS has been rechecked, the TDS balance may not be appropriate for low sample results. This batch is approved.

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: R07110302-004
Client Sample ID: DewBurdBK01

Report Date: 01/30/08
Collection Date: 11/27/07 21:45
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	11/28/07 10:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	12/11/07 18:07/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:07/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	12/11/07 18:07/sn
Calcium	ND	mg/L		0.5		1	E200.7	12/19/07 17:06/eli-c
Chloride	ND	mg/L		1		1	E300.0	11/29/07 02:26/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	11/29/07 02:26/jmh
Magnesium	ND	mg/L		0.5		1	E200.7	12/19/07 17:06/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:06/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/29/07 02:26/jmh
Potassium	ND	mg/L		1		1	E200.7	12/19/07 17:06/eli-c
Silica	ND	mg/L		0.5		1	E200.7	12/19/07 17:06/eli-c
Sodium	ND	mg/L	D	0.8		1	E200.7	12/19/07 17:06/eli-c
Sulfate	ND	mg/L		1		1	E300.0	11/29/07 02:26/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	12/02/07 13:27/jmh
pH	5.52	s.u.		0.01		1	A4500-H B	12/02/07 13:48/jmh
Sodium Adsorption Ratio (SAR)	0.16	meq/L		0.10		1	Calculation	01/16/08 18:29/sec
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	12/04/07 15:18/jmh
Solids, Total Dissolved TDS @ 180 C	6	mg/L	H	5		1	A2540 C	01/31/08 14:59/jmh
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	12/03/07 12:20/jmh
Initial analysis within hold. Analysis rechecked and value reported.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/08/07 00:33/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/08/07 00:33/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/08/07 00:33/eli-c
Boron	ND	mg/L		0.1		1	E200.7	12/19/07 17:06/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/08/07 00:33/eli-c
Chromium	ND	mg/L		0.01		10	E200.8	12/08/07 00:33/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/08/07 00:33/eli-c
Iron	0.08	mg/L		0.03		1	E200.7	12/19/07 17:06/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/08/07 00:33/eli-c
Manganese	ND	mg/L		0.01		10	E200.8	12/08/07 00:33/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/08/07 00:33/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/08/07 00:33/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-004
Client Sample ID: DewBurdBK01

Report Date: 01/30/08
Collection Date: 11/27/07 21:45
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		10	E200.8	12/08/07 00:33/eli-c
Silver	ND	mg/L		0.005		10	E200.8	12/08/07 00:33/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	12/08/07 00:33/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	12/08/07 00:33/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/08/07 00:33/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	12/08/07 00:33/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/13/07 20:56/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/13/07 20:56/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	12/29/07 04:33/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/29/07 04:33/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/29/07 04:33/eli-c
Boron	ND	mg/L		0.1		1	E200.7	01/02/08 19:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/29/07 04:33/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/29/07 04:33/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	11/28/07 15:08/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	01/16/08 18:32/sec
Copper	ND	mg/L		0.01		1	E200.8	12/29/07 04:33/eli-c
Iron	0.06	mg/L		0.03		1	E200.7	01/02/08 19:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/29/07 04:33/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	12/29/07 04:33/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/29/07 04:33/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/29/07 04:33/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/29/07 04:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/29/07 04:33/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/29/07 04:33/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/29/07 04:33/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/29/07 04:33/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/29/07 04:33/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/30/07 10:32/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 09:40/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110302-004
Client Sample ID: DewBurdBK01

Report Date: 01/30/08
Collection Date: 11/27/07 21:45
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/30/07 11:08/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 10:27/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/18/07 04:55/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/17/07 16:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/13/07 08:00/eli-c
Polonium 210	2.0	pCi/L		1.0		1	RMO-3008	12/18/07 12:00/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	12/18/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/19/07 12:26/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:10/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	ND	pCi/L		1.0		1	E900.0	12/19/07 21:05/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	12/19/07 21:05/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	01/05/08 14:23/sec
Polonium 210	2.0	pCi/L		1.0		1	RMO-3008	01/05/08 14:23/sec
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	01/05/08 14:23/sec
Radium 226	ND	pCi/L		0.2		1	E903.0	01/05/08 14:23/sec
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/05/08 14:23/sec
DATA QUALITY								
Anions	ND	meq/L				1	A1030 E	01/16/08 18:50/sec
Cations	0.00526	meq/L				1	A1030 E	01/16/08 18:50/sec

- The Ion and TDS balances are not appropriate for near blank results.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071211A-ALK-SEL-W	
Sample ID: MBLK1_071211A	Method Blank				Run: PH_COND1-R_071211A			12/11/07 17:56	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_071211A	Laboratory Control Sample				Run: PH_COND1-R_071211A			12/11/07 17:57	
Alkalinity, Total as CaCO3	1010	mg/L	5.0	101	90	110			
Sample ID: R07110303-008AMS	Sample Matrix Spike				Run: PH_COND1-R_071211A			12/11/07 18:30	
Alkalinity, Total as CaCO3	16.0	mg/L	5.0	11	80	120			S
- S=Surrogate recovery outside QC advisory limits due to sample matrix interference.									
Sample ID: R07110303-008AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_071211A			12/11/07 18:30	
Alkalinity, Total as CaCO3	18.0	mg/L	5.0	13	80	120	12	10	SR
- S=Surrogate recovery outside QC advisory limits due to sample matrix interference.									
Method: A2510 B								Batch: 071202_1_COND-PROBE-W	
Sample ID: LCS1-1_071202	Laboratory Control Sample				Run: PH_COND2-R_071202A			12/02/07 13:11	
Conductivity @ 25 C	152	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_071202	Laboratory Control Sample				Run: PH_COND2-R_071202A			12/02/07 13:12	
Conductivity @ 25 C	5010	umhos/cm	5.0	100	90	110			
Sample ID: LCS_COND-1_071202	Laboratory Control Sample				Run: PH_COND2-R_071202A			12/02/07 13:13	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071202	Method Blank				Run: PH_COND2-R_071202A			12/02/07 13:13	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07110302-003ADUP	Sample Duplicate				Run: PH_COND2-R_071202A			12/02/07 13:25	
Conductivity @ 25 C	188	umhos/cm	5.0				0.0	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 071203A-SLDS-TDS-W	
Sample ID: MBLK1_071203A	Method Blank				Run: BAL-4-R_071203A			12/03/07 13:11	
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: LCS1_071203A	Laboratory Control Sample				Run: BAL-4-R_071203A			12/03/07 13:12	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	106	90	110			
Sample ID: R07110299-005AMS	Sample Matrix Spike				Run: BAL-4-R_071203A			12/03/07 13:28	
Solids, Total Dissolved TDS @ 180 C	750	mg/L	5.0	97	80	120			
Sample ID: R07110299-005AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071203A			12/03/07 13:29	
Solids, Total Dissolved TDS @ 180 C	760	mg/L	5.0	101	80	120	1.1	10	
Sample ID: R07110303-002AMS	Sample Matrix Spike				Run: BAL-4-R_071203A			12/03/07 13:42	
Solids, Total Dissolved TDS @ 180 C	3100	mg/L	5.0	88	80	120			
Sample ID: R07110303-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071203A			12/03/07 13:43	
Solids, Total Dissolved TDS @ 180 C	3100	mg/L	5.0	102	80	120	0.9	10	
Method: A2540 C								Batch: 080122A-SLDS-TDS-W	
Sample ID: MBLK1_080122A	Method Blank				Run: BAL-4-R_080122B			01/22/08 13:52	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080122A	Laboratory Control Sample				Run: BAL-4-R_080122B			01/22/08 13:54	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	106	90	110			
Sample ID: R08010166-010AMS	Sample Matrix Spike				Run: BAL-4-R_080122B			01/22/08 14:14	
Solids, Total Dissolved TDS @ 180 C	430	mg/L	5.0	108	80	120			
Sample ID: R08010166-010AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080122B			01/22/08 14:15	
Solids, Total Dissolved TDS @ 180 C	430	mg/L	5.0	106	80	120	0.9	10	
Method: A2540 D								Batch: 071203A-SLDS-TSS-W	
Sample ID: MBLK1_071203A	Method Blank				Run: BAL-4-R_071203B			12/03/07 12:00	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_071203A	Laboratory Control Sample				Run: BAL-4-R_071203B			12/03/07 12:02	
Solids, Total Suspended TSS @ 105 C	190	mg/L	5.0	97	85	115			
Sample ID: R07110302-002ADUP	Sample Duplicate				Run: BAL-4-R_071203B			12/03/07 12:18	
Solids, Total Suspended TSS @ 105 C	8.0	mg/L	5.0				46	20	R

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-071230	
Sample ID: MBLK	Method Blank				Run: SUB-C94924			12/30/07 10:22	
Selenium	ND	mg/L	0.0004						
Sample ID: R07120148-005G	Sample Matrix Spike				Run: SUB-C94924			12/30/07 10:45	
Selenium	0.044	mg/L	0.0010	87	85	115			
Sample ID: R07120148-005G	Sample Matrix Spike Duplicate				Run: SUB-C94924			12/30/07 10:47	
Selenium	0.046	mg/L	0.0010	93	85	115	5.6	10	
Sample ID: 288-12-1	Laboratory Control Sample				Run: SUB-C94924			12/30/07 10:49	
Selenium	0.045	mg/L	0.0010	90	90	110			
Sample ID: R07120148-005H	Sample Matrix Spike				Run: SUB-C94924			12/30/07 11:20	
Selenium	0.046	mg/L	0.0010	92	85	115			
Sample ID: R07120148-005H	Sample Matrix Spike Duplicate				Run: SUB-C94924			12/30/07 11:23	
Selenium	0.045	mg/L	0.0010	90	85	115	1.8	10	
Method: A3114 B								Batch: C_SEIV3114-071229	
Sample ID: MBLK	Method Blank				Run: SUB-C94906			12/29/07 09:32	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: R07120148-005G	Sample Matrix Spike				Run: SUB-C94906			12/29/07 09:54	
Selenium-IV	0.045	mg/L	0.0010	90	85	115			
Sample ID: R07120148-005G	Sample Matrix Spike Duplicate				Run: SUB-C94906			12/29/07 09:56	
Selenium-IV	0.047	mg/L	0.0010	93	85	115	3.2	10	
Sample ID: 288-7-1	Laboratory Control Sample				Run: SUB-C94906			12/29/07 10:03	
Selenium-IV	0.045	mg/L	0.0010	90	90	110			
Sample ID: R07120148-005H	Sample Matrix Spike				Run: SUB-C94906			12/29/07 10:50	
Selenium-IV	0.044	mg/L	0.0010	88	85	115			
- Matrix spike recoveries outside the acceptance criteria of 85 to 115 percent are considered matrix related, not system related. Reported values are within method specifications.									
Sample ID: R07120148-005H	Sample Matrix Spike Duplicate				Run: SUB-C94906			12/29/07 10:52	
Selenium-IV	0.042	mg/L	0.0010	83	85	115	5.1	10	S
- Matrix spike duplicate recoveries outside the acceptance criteria of 85 to 115 percent are considered matrix related, not system related. Reported values are within method specifications.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B								Batch: 071128A-CR-HEX-W	
Sample ID: MBLK1_071128A	Method Blank				Run: SPEC1_071128A			11/28/07 15:06	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS1_071128A	Laboratory Control Sample				Run: SPEC1_071128A			11/28/07 15:06	
Chromium, Hexavalent	0.19	mg/L	0.0050	96	80	120			
Sample ID: R07110302-001D	Sample Matrix Spike				Run: SPEC1_071128A			11/28/07 15:07	
Chromium, Hexavalent	0.19	mg/L	0.0050	96	80	120			
Sample ID: R07110302-002D	Sample Matrix Spike				Run: SPEC1_071128A			11/28/07 15:40	
Chromium, Hexavalent	0.81	mg/L	0.025	81	80	120			
Sample ID: R07110302-003D	Sample Matrix Spike				Run: SPEC1_071128A			11/28/07 15:08	
Chromium, Hexavalent	0.19	mg/L	0.0050	93	80	120			
Sample ID: R07110302-004D	Sample Matrix Spike				Run: SPEC1_071128A			11/28/07 15:08	
Chromium, Hexavalent	0.20	mg/L	0.0050	100	80	120			
Method: A4500-H B								Batch: 071202_1_PH-W	
Sample ID: LCS_pH-1_071202	Laboratory Control Sample				Run: PH_COND2-R_071202A			12/02/07 13:42	
pH	6.86	s.u.	0.010	100	98.55	101.45			
Sample ID: R07110302-003ADUP	Sample Duplicate				Run: PH_COND2-R_071202A			12/02/07 13:46	
pH	6.47	s.u.	0.010				0.9	1.25	
Method: A4500-NH3 G								Batch: A2007-12-04_2_NH3_01	
Sample ID: MBLK-1	Method Blank				Run: TECHAA2-R_071104A			12/04/07 15:47	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_071104A			12/04/07 15:50	
Nitrogen, Ammonia as N	0.28	mg/L	0.10	112	90	110			S
Sample ID: LFB-5	Laboratory Fortified Blank				Run: TECHAA2-R_071104A			12/04/07 15:51	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	90	110			
Sample ID: R07110302-001BDUP	Sample Duplicate				Run: TECHAA2-R_071104A			12/04/07 16:02	
Nitrogen, Ammonia as N	ND	mg/L	0.10				0.0	10	
Sample ID: R07110302-002BMS	Sample Matrix Spike				Run: TECHAA2-R_071104A			12/04/07 16:04	
Nitrogen, Ammonia as N	5.6	mg/L	0.21	89	80	120			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A9222 D								Batch: 071128-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_071128A			11/28/07 10:00	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R94543
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C94543				12/19/07 11:01
Silica	2.0	mg/L	0.10	99	85	125			
Boron	1.9	mg/L	0.10	97	85	125			
Iron	2.0	mg/L	0.030	101	85	125			
Manganese	2.1	mg/L	0.010	104	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C94543				12/19/07 11:05
Calcium	25	mg/L	0.50	100	85	125			
Magnesium	24	mg/L	0.50	94	85	125			
Potassium	26	mg/L	0.50	104	85	125			
Sodium	24	mg/L	0.76	97	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: SUB-C94543				12/19/07 11:11
Silica	ND	mg/L	0.10		0	0			
Boron	0.0098	mg/L	0.10		0	0			
Calcium	ND	mg/L	0.50		0	0			
Iron	ND	mg/L	0.030		0	0			
Magnesium	ND	mg/L	0.50		0	0			
Manganese	ND	mg/L	0.010		0	0			
Potassium	0.032	mg/L	0.50		0	0			
Sodium	ND	mg/L	0.76		0	0			
Sample ID: C07120180-001EMS	Sample Matrix Spike				Run: SUB-C94543				12/19/07 15:11
Boron	9.14	mg/L	0.10	91	70	130			
Iron	9.31	mg/L	0.046	93	70	130			
Manganese	9.72	mg/L	0.010	96	70	130			
Calcium	543	mg/L	1.0	85	70	130			
Magnesium	486	mg/L	0.50	85	70	130			
Potassium	1130	mg/L	0.50	94	70	130			
Silica	17.7	mg/L	0.20	87	70	130			
Sodium	427	mg/L	7.6	84	70	130			
Sample ID: C07120180-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C94543				12/19/07 15:14
Boron	9.27	mg/L	0.10	93	70	130	1.4	20	
Iron	9.40	mg/L	0.046	93	70	130	1.0	20	
Manganese	9.74	mg/L	0.010	97	70	130	0.2	20	
Calcium	539	mg/L	1.0	85	70	130	0.7	20	
Magnesium	482	mg/L	0.50	84	70	130	0.8	20	
Potassium	1110	mg/L	0.50	92	70	130	2.3	20	
Silica	17.8	mg/L	0.20	88	70	130	0.8	20	
Sodium	420	mg/L	7.6	82	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17091
Sample ID: MB-17091	Method Blank				Run: SUB-C93999				12/10/07 20:59
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	ND	mg/L	5E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Manganese	0.0002	mg/L	3E-05						
Mercury	2E-05	mg/L	6E-06						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Silver	0.0009	mg/L	4E-05						
Thorium 232	ND	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LCS1-17091	Laboratory Control Sample				Run: SUB-C93999				12/10/07 21:05
Arsenic	0.018	mg/L	0.0010	90	80	120			
Barium	0.018	mg/L	0.10	92	80	120			
Cadmium	0.018	mg/L	0.010	91	80	120			
Chromium	0.019	mg/L	0.050	94	80	120			
Copper	0.018	mg/L	0.010	90	80	120			
Lead	0.018	mg/L	0.050	92	80	120			
Manganese	0.019	mg/L	0.010	93	80	120			
Molybdenum	0.019	mg/L	0.10	93	80	120			
Nickel	0.018	mg/L	0.050	91	80	120			
Silver	0.019	mg/L	0.010	88	80	120			
Thorium 232	0.019	mg/L	0.0010	93	80	120			
Uranium	0.019	mg/L	0.00030	95	80	120			
Vanadium	0.018	mg/L	0.10	92	80	120			
Zinc	0.020	mg/L	0.010	90	80	120			
Sample ID: LCS-17091	Laboratory Control Sample				Run: SUB-C93999				12/10/07 21:12
Arsenic	0.51	mg/L	0.0010	101	80	120			
Barium	0.50	mg/L	0.10	101	80	120			
Cadmium	0.50	mg/L	0.010	100	80	120			
Chromium	0.51	mg/L	0.050	103	80	120			
Copper	0.49	mg/L	0.010	97	80	120			
Lead	0.50	mg/L	0.050	100	80	120			
Manganese	0.51	mg/L	0.010	103	80	120			
Molybdenum	0.51	mg/L	0.10	101	80	120			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_17091	
Sample ID: LCS-17091	Laboratory Control Sample				Run: SUB-C93999			12/10/07 21:12	
Nickel	0.49	mg/L	0.050	99	80	120			
Silver	0.24	mg/L	0.010	117	80	120			
Uranium	0.52	mg/L	0.00032	104	80	120			
Vanadium	0.51	mg/L	0.10	102	80	120			
Zinc	0.51	mg/L	0.010	102	80	120			
Sample ID: R07110302-004F	Post Digestion Spike				Run: SUB-C94942			12/29/07 04:40	
Aluminum	0.0476	mg/L	0.10	95	70	130			
Arsenic	0.0497	mg/L	0.0010	99	70	130			
Barium	0.0493	mg/L	0.10	99	70	130			
Cadmium	0.0500	mg/L	0.010	100	70	130			
Chromium	0.0507	mg/L	0.050	101	70	130			
Copper	0.0498	mg/L	0.010	100	70	130			
Lead	0.0492	mg/L	0.050	98	70	130			
Manganese	0.0510	mg/L	0.010	101	70	130			
Mercury	0.00518	mg/L	0.0010	104	70	130			
Molybdenum	0.0485	mg/L	0.10	97	70	130			
Nickel	0.0478	mg/L	0.050	96	70	130			
Silver	0.0135	mg/L	0.010	68	70	130			S
Thorium 232	0.0461	mg/L	0.0010	92	70	130			
Uranium	0.0473	mg/L	0.00030	95	70	130			
Vanadium	0.0500	mg/L	0.10	100	70	130			
Zinc	0.0532	mg/L	0.010	106	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: R07110302-004F	Post Digestion Spike Duplicate				Run: SUB-C94942			12/29/07 04:48	
Aluminum	0.0463	mg/L	0.10	93	70	130	0.0	20	
Arsenic	0.0500	mg/L	0.0010	100	70	130	0.6	20	
Barium	0.0468	mg/L	0.10	94	70	130	0.0	20	
Cadmium	0.0496	mg/L	0.010	99	70	130	0.7	20	
Chromium	0.0489	mg/L	0.050	98	70	130	0.0	20	
Copper	0.0481	mg/L	0.010	96	70	130	3.3	20	
Lead	0.0487	mg/L	0.050	97	70	130	0.0	20	
Manganese	0.0494	mg/L	0.010	98	70	130	3.3	20	
Mercury	0.00482	mg/L	0.0010	96	70	130	7.1	20	
Molybdenum	0.0485	mg/L	0.10	97	70	130	0.0	20	
Nickel	0.0469	mg/L	0.050	94	70	130	0.0	20	
Silver	0.0140	mg/L	0.010	70	70	130	3.8	20	
Thorium 232	0.0461	mg/L	0.0010	92	70	130	0.0	20	
Uranium	0.0463	mg/L	0.00030	93	70	130	2.2	20	
Vanadium	0.0493	mg/L	0.10	99	70	130	0.0	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17091
Sample ID: R07110302-004F	Post Digestion Spike Duplicate				Run: SUB-C94942				12/29/07 04:48
Zinc	0.0520	mg/L	0.010	104	70	130	2.4	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: R07110302-003F	Post Digestion Spike				Run: SUB-C94975				01/01/08 05:58
Aluminum	0.105	mg/L	0.10	101	70	130			
Arsenic	0.0487	mg/L	0.0010	96	70	130			
Barium	0.0522	mg/L	0.10	100	70	130			
Cadmium	0.0485	mg/L	0.010	97	70	130			
Chromium	0.0483	mg/L	0.050	97	70	130			
Copper	0.0481	mg/L	0.010	96	70	130			
Lead	0.0496	mg/L	0.050	99	70	130			
Manganese	0.203	mg/L	0.010	87	70	130			
Mercury	0.00512	mg/L	0.0010	102	70	130			
Molybdenum	0.0489	mg/L	0.10	98	70	130			
Nickel	0.0476	mg/L	0.050	94	70	130			
Silver	0.0170	mg/L	0.010	85	70	130			
Thorium 232	0.0403	mg/L	0.0010	81	70	130			
Uranium	0.0378	mg/L	0.00030	75	70	130			
Vanadium	0.0483	mg/L	0.10	96	70	130			
Zinc	0.0513	mg/L	0.010	96	70	130			
Sample ID: R07110302-003F	Post Digestion Spike Duplicate				Run: SUB-C94975				01/01/08 06:05
Aluminum	0.0962	mg/L	0.10	83	70	130	0.0	20	
Arsenic	0.0495	mg/L	0.0010	98	70	130	1.8	20	
Barium	0.0504	mg/L	0.10	97	70	130	0.0	20	
Cadmium	0.0492	mg/L	0.010	98	70	130	1.4	20	
Chromium	0.0486	mg/L	0.050	97	70	130	0.0	20	
Copper	0.0483	mg/L	0.010	96	70	130	0.5	20	
Lead	0.0492	mg/L	0.050	98	70	130	0.0	20	
Manganese	0.205	mg/L	0.010	90	70	130	0.9	20	
Mercury	0.00497	mg/L	0.0010	99	70	130	3.0	20	
Molybdenum	0.0496	mg/L	0.10	99	70	130	0.0	20	
Nickel	0.0489	mg/L	0.050	96	70	130	0.0	20	
Silver	0.0187	mg/L	0.010	93	70	130	9.5	20	
Thorium 232	0.0489	mg/L	0.0010	98	70	130	19	20	
Uranium	0.0492	mg/L	0.00030	98	70	130	26	20	R
Vanadium	0.0493	mg/L	0.10	98	70	130	0.0	20	
Zinc	0.0520	mg/L	0.010	97	70	130	1.3	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17122
Sample ID: MB-17122	Method Blank				Run: SUB-C94238				12/13/07 16:21
Uranium	5E-05	mg/L							
Sample ID: LCS1-17122	Laboratory Control Sample				Run: SUB-C94238				12/13/07 20:16
Uranium	0.0527	mg/L	0.00030	100	80	120			
Sample ID: R07110302-004K	Post Digestion Spike				Run: SUB-C94238				12/13/07 21:16
Uranium	0.0511	mg/L	0.00030	102	70	130			
Sample ID: R07110302-004K	Post Digestion Spike Duplicate				Run: SUB-C94238				12/13/07 21:23
Uranium	0.0518	mg/L	0.00030	103	70	130	1.3	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93947
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93947				12/07/07 11:38
Aluminum	0.0492	mg/L	0.0010	98	85	115			
Arsenic	0.0514	mg/L	0.0010	103	85	115			
Barium	0.0501	mg/L	0.0010	100	85	115			
Cadmium	0.0497	mg/L	0.0010	99	85	115			
Chromium	0.0508	mg/L	0.0010	101	85	115			
Copper	0.0519	mg/L	0.0010	104	85	115			
Lead	0.0506	mg/L	0.0010	101	85	115			
Manganese	0.0505	mg/L	0.0010	100	85	115			
Mercury	0.00520	mg/L	0.0010	104	85	115			
Molybdenum	0.0495	mg/L	0.0010	99	85	115			
Nickel	0.0514	mg/L	0.0010	103	85	115			
Silver	0.0195	mg/L	0.0010	98	85	115			
Thorium 232	0.0501	mg/L	0.0010	100	85	115			
Uranium	0.0498	mg/L	0.00030	100	85	115			
Vanadium	0.0512	mg/L	0.0010	102	85	115			
Zinc	0.0537	mg/L	0.0010	107	85	115			
Sample ID: LRB	Method Blank				Run: SUB-C93947				12/07/07 13:13
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	6E-05	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	0.0004	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	4E-05	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: R07110303-004C	Post Digestion Spike				Run: SUB-C93947				12/07/07 17:52
Aluminum	0.499	mg/L	0.10	100	70	130			
Arsenic	0.517	mg/L	0.0010	103	70	130			
Barium	0.540	mg/L	0.10	103	70	130			
Cadmium	0.506	mg/L	0.010	101	70	130			
Chromium	0.496	mg/L	0.050	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93947
Sample ID: R07110303-004C	Post Digestion Spike				Run: SUB-C93947				12/07/07 17:52
Copper	0.496	mg/L	0.010	98	70	130			
Lead	0.513	mg/L	0.050	103	70	130			
Manganese	2.98	mg/L	0.010		70	130			A
Mercury	0.0527	mg/L	0.0010	105	70	130			
Molybdenum	0.545	mg/L	0.10	109	70	130			
Nickel	0.502	mg/L	0.050	97	70	130			
Silver	0.171	mg/L	0.010	85	70	130			
Thorium 232	0.532	mg/L	0.0010	106	70	130			
Uranium	0.569	mg/L	0.00030	105	70	130			
Vanadium	0.510	mg/L	0.10	102	70	130			
Zinc	0.498	mg/L	0.010	96	70	130			
Sample ID: R07110303-004C	Post Digestion Spike Duplicate				Run: SUB-C93947				12/07/07 17:59
Aluminum	0.488	mg/L	0.10	98	70	130	2.3	20	
Arsenic	0.509	mg/L	0.0010	102	70	130	1.6	20	
Barium	0.526	mg/L	0.10	100	70	130	2.6	20	
Cadmium	0.496	mg/L	0.010	99	70	130	2.1	20	
Chromium	0.491	mg/L	0.050	97	70	130	0.9	20	
Copper	0.487	mg/L	0.010	96	70	130	1.8	20	
Lead	0.511	mg/L	0.050	102	70	130	0.2	20	
Manganese	2.99	mg/L	0.010		70	130	0.5	20	A
Mercury	0.0537	mg/L	0.0010	107	70	130	1.9	20	
Molybdenum	0.532	mg/L	0.10	106	70	130	2.4	20	
Nickel	0.489	mg/L	0.050	95	70	130	2.7	20	
Silver	0.174	mg/L	0.010	87	70	130	1.9	20	
Thorium 232	0.530	mg/L	0.0010	106	70	130	0.4	20	
Uranium	0.567	mg/L	0.00030	105	70	130	0.4	20	
Vanadium	0.507	mg/L	0.10	101	70	130	0.6	20	
Zinc	0.494	mg/L	0.010	95	70	130	0.8	20	
Sample ID: C07120198-001BMS4	Post Digestion Spike				Run: SUB-C93947				12/08/07 00:47
Aluminum	0.045	mg/L	0.10	90	70	130			
Arsenic	0.067	mg/L	0.0010	97	70	130			
Barium	0.16	mg/L	0.10	90	70	130			
Cadmium	0.048	mg/L	0.010	96	70	130			
Chromium	0.047	mg/L	0.050	91	70	130			
Copper	0.048	mg/L	0.010	94	70	130			
Lead	0.050	mg/L	0.050	99	70	130			
Manganese	0.051	mg/L	0.010	92	70	130			
Mercury	0.0049	mg/L	0.0010	98	70	130			
Molybdenum	0.052	mg/L	0.10	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93947
Sample ID: C07120198-001BMS4	Post Digestion Spike				Run: SUB-C93947				12/08/07 00:47
Nickel	0.048	mg/L	0.050	93	70	130			
Silver	0.018	mg/L	0.010	89	70	130			
Thorium 232	0.051	mg/L	0.0010	101	70	130			
Uranium	0.051	mg/L	0.00030	100	70	130			
Vanadium	0.049	mg/L	0.10	95	70	130			
Zinc	0.065	mg/L	0.010	97	70	130			
Sample ID: C07120198-001BMSD4	Post Digestion Spike Duplicate				Run: SUB-C93947				12/08/07 00:54
Aluminum	0.045	mg/L	0.10	91	70	130	0.0	20	
Arsenic	0.068	mg/L	0.0010	98	70	130	1.3	20	
Barium	0.16	mg/L	0.10	90	70	130	0.1	20	
Cadmium	0.048	mg/L	0.010	96	70	130	0.1	20	
Chromium	0.047	mg/L	0.050	92	70	130	0.0	20	
Copper	0.048	mg/L	0.010	94	70	130	0.0	20	
Lead	0.050	mg/L	0.050	99	70	130	0.0	20	
Manganese	0.051	mg/L	0.010	93	70	130	1.6	20	
Mercury	0.0050	mg/L	0.0010	100	70	130	1.6	20	
Molybdenum	0.052	mg/L	0.10	98	70	130	0.0	20	
Nickel	0.049	mg/L	0.050	96	70	130	0.0	20	
Silver	0.019	mg/L	0.010	93	70	130	3.8	20	
Thorium 232	0.051	mg/L	0.0010	102	70	130	1.4	20	
Uranium	0.052	mg/L	0.00030	101	70	130	1.0	20	
Vanadium	0.049	mg/L	0.10	95	70	130	0.0	20	
Zinc	0.064	mg/L	0.010	95	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R95304
Sample ID: LRB	Method Blank				Run: SUB-C95304				01/07/08 21:02
Arsenic	ND	mg/L	0.0002						
Cadmium	0.0002	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Uranium	0.0001	mg/L	4E-05						
Zinc	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C95304				01/07/08 21:09
Arsenic	0.0515	mg/L	0.0010	103	85	115			
Cadmium	0.0512	mg/L	0.0010	102	85	115			
Copper	0.0520	mg/L	0.0010	104	85	115			
Uranium	0.0505	mg/L	0.00030	101	85	115			
Zinc	0.0548	mg/L	0.0021	110	85	115			
Sample ID: R07110302-002F	Post Digestion Spike				Run: SUB-C95304				01/07/08 21:32
Arsenic	0.0514	mg/L	0.0010	96	70	130			
Cadmium	0.0777	mg/L	0.010	102	70	130			
Copper	0.155	mg/L	0.010	110	70	130			
Uranium	6.12	mg/L	0.00030		70	130			A
Zinc	4.51	mg/L	0.010		70	130			A
Sample ID: R07110302-002F	Post Digestion Spike Duplicate				Run: SUB-C95304				01/07/08 21:40
Arsenic	0.0513	mg/L	0.0010	96	70	130	0.2	20	
Cadmium	0.0751	mg/L	0.010	97	70	130	3.4	20	
Copper	0.154	mg/L	0.010	109	70	130	0.1	20	
Uranium	6.01	mg/L	0.00030		70	130	1.7	20	A
Zinc	4.55	mg/L	0.010		70	130	0.9	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32405
Sample ID: LFB0711284127-3	Laboratory Fortified Blank				Run: DIONEX_071128A				11/28/07 21:08
Chloride	4.57	mg/L	0.50	91	90	110			
Fluoride	1.91	mg/L	0.10	96	90	110			
Nitrogen, Nitrate as N	2.36	mg/L	0.10	94	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: LFB0711284127-4	Laboratory Fortified Blank				Run: DIONEX_071128A				11/28/07 21:24
Chloride	4.86	mg/L	0.50	97	90	110			
Fluoride	2.04	mg/L	0.10	102	90	110			
Nitrogen, Nitrate as N	2.35	mg/L	0.10	94	90	110			
Sulfate	14.2	mg/L	1.0	94	90	110			
Sample ID: R07110265-001BMS	Sample Matrix Spike				Run: DIONEX_071128A				11/28/07 23:00
Chloride	13.4	mg/L	0.50	71	80	120			S
Fluoride	2.38	mg/L	0.10	91	80	120			
Nitrogen, Nitrate as N	2.52	mg/L	0.10	101	80	120			
Sulfate	121	mg/L	1.0		80	120			A
Sample ID: R07110265-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071128A				11/28/07 23:15
Chloride	13.3	mg/L	0.50	70	80	120	0.3	10	S
Fluoride	2.26	mg/L	0.10	85	80	120	5.2	10	
Nitrogen, Nitrate as N	2.52	mg/L	0.10	101	80	120	0.0	10	
Sulfate	121	mg/L	1.0		80	120	0.5	10	A
Sample ID: R07110302-002AMS	Sample Matrix Spike				Run: DIONEX_071128A				11/29/07 01:07
Chloride	266	mg/L	2.0	98	80	120			
Fluoride	123	mg/L	3.2	109	80	120			
Nitrogen, Nitrate as N	128	mg/L	0.84	102	80	120			
Sulfate	6060	mg/L	36		80	120			A
Sample ID: R07110302-002AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071128A				11/29/07 01:23
Chloride	248	mg/L	2.0	90	80	120	7.0	10	
Fluoride	115	mg/L	3.2	102	80	120	6.2	10	
Nitrogen, Nitrate as N	123	mg/L	0.84	98	80	120	4.0	10	
Sulfate	6160	mg/L	36		80	120	1.6	10	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte		Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	**E300.0**									Batch: R32437
Sample ID:	**LFB0711291936-3**	Laboratory Fortified Blank				Run: DIONEX_071129A				11/29/07 20:57
Chloride		4.94	mg/L	0.50	99	90	110			
Sample ID:	**LFB0711291936-4**	Laboratory Fortified Blank				Run: DIONEX_071129A				11/29/07 21:13
Chloride		4.87	mg/L	0.50	97	90	110			
Sample ID:	**R07110265-001BMS**	Sample Matrix Spike				Run: DIONEX_071129A				11/30/07 00:56
Chloride		32.5	mg/L	0.50	89	80	120			
Sample ID:	**R07110265-001BMSD**	Sample Matrix Spike Duplicate				Run: DIONEX_071129A				11/30/07 01:12
Chloride		32.9	mg/L	0.50	90	80	120	1.2	10	
Method:	**E900.0**									Batch: C_GrAB-0369
Sample ID:	**UNAT-GrAB-0369**	Laboratory Control Sample				Run: SUB-C94568				12/17/07 22:28
Gross Alpha		300	pCi/L	1.0	104	70	130			
Sample ID:	**C07111231-001HMS**	Sample Matrix Spike				Run: SUB-C94568				12/17/07 22:28
Gross Beta		280	pCi/L	2.0	85	70	130			
Sample ID:	**C07111231-001HMSD**	Sample Matrix Spike Duplicate				Run: SUB-C94568				12/17/07 22:28
Gross Beta		280	pCi/L	2.0	85	70	130	0.2	15.9	
Sample ID:	**RB-GrAB-0369**	Method Blank				Run: SUB-C94568				12/17/07 22:28
Gross Alpha		ND	pCi/L	1						
Gross Beta		ND	pCi/L	2						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0374	
Sample ID: RB-GrAB-0374	Method Blank				Run: SUB-C94955			12/29/07 11:04	
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0374	Laboratory Control Sample				Run: SUB-C94955			12/29/07 11:04	
Gross Alpha	300	pCi/L	1.0	111	70	130			
Sample ID: Cs137-GrAB-0374	Laboratory Control Sample				Run: SUB-C94955			12/29/07 11:04	
Gross Beta	100	pCi/L	2.0	100	70	130			
Sample ID: C07120963-005CMS	Sample Matrix Spike				Run: SUB-C94955			12/29/07 11:04	
Gross Alpha	520	pCi/L	1.0	106	70	130			
Sample ID: C07120963-005CMSD	Sample Matrix Spike Duplicate				Run: SUB-C94955			12/29/07 11:04	
Gross Alpha	480	pCi/L	1.0	98	70	130	7.7	12.5	
Sample ID: C07120963-005CMS	Sample Matrix Spike				Run: SUB-C94955			12/29/07 11:04	
Gross Beta	180	pCi/L	2.0	88	70	130			
Sample ID: C07120963-005CMSD	Sample Matrix Spike Duplicate				Run: SUB-C94955			12/29/07 11:04	
Gross Beta	170	pCi/L	2.0	87	70	130	0.9	15.8	
Sample ID: R07110302-002I	Sample Duplicate				Run: SUB-C94955			12/30/07 04:12	
Gross Alpha	6610	pCi/L	1.0				2.6	11.4	
Gross Beta	3100	pCi/L	2.0				3.2	12.7	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R94634
Sample ID: LCS-R94634	Laboratory Control Sample				Run: SUB-C94634				12/05/07 10:50
Cesium 137	1180	pCi/L	20	84	70	130			
Potassium 40	7170	pCi/L	20	107	70	130			
Sample ID: MB-R94634	Method Blank				Run: SUB-C94634				12/05/07 10:50
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Method: E903.0									Batch: C_17122
Sample ID: C07111001-001AMS	Sample Matrix Spike				Run: SUB-C94513				12/19/07 11:19
Radium 226	0.00013	uCi/kg	2.0E-07	79	70	130			
Sample ID: C07111001-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C94513				12/19/07 11:19
Radium 226	0.00013	uCi/kg	2.0E-07	90	70	130	5.5	23.3	
Sample ID: MB-17122	Method Blank				Run: SUB-C94513				12/19/07 12:26
Radium 226	ND	pCi/L	0.004						
Sample ID: LCS-17122	Laboratory Control Sample				Run: SUB-C94513				12/19/07 12:26
Radium 226	13	pCi/L	0.20	103	70	130			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2485
Sample ID: C07120310-001BMS	Sample Matrix Spike				Run: SUB-C94471				12/18/07 06:56
Radium 226	19	pCi/L	0.20	92	70	130			
Sample ID: C07120320-001DDUP	Sample Duplicate				Run: SUB-C94471				12/18/07 08:57
Radium 226	ND	pCi/L	0.20				0.0	1792.8	
Sample ID: MB-RA226-2485	Method Blank				Run: SUB-C94471				12/18/07 12:58
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2485	Laboratory Control Sample				Run: SUB-C94471				12/18/07 13:59
Radium 226	11	pCi/L	0.20	86	70	130			
Method: E907.0									Batch: C_17122
Sample ID: C07120387-002AMS	Sample Matrix Spike				Run: SUB-C94647				12/12/07 16:10
Thorium 230	51.5	pCi/Filter	0.20	92	70	130			
Sample ID: C07120387-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C94647				12/12/07 16:10
Thorium 230	55.3	pCi/Filter	0.20	100	70	130	7.1	30	
Sample ID: LCS-17122	Laboratory Control Sample				Run: SUB-C94647				12/12/07 16:10
Thorium 230	52.8	pCi/Filter	0.20	94	70	130			
Sample ID: MB-17122	Method Blank				Run: SUB-C94647				12/12/07 16:10
Thorium 230	ND	pCi/Filter	0.004						
Method: E907.0									Batch: C_R94649
Sample ID: C07120364-005DMS	Sample Matrix Spike				Run: SUB-C94649				12/17/07 16:15
Thorium 230	19.4	pCi/L	0.20	99	70	130			
Sample ID: C07120364-005DMSD	Sample Matrix Spike Duplicate				Run: SUB-C94649				12/17/07 16:15
Thorium 230	18.7	pCi/L	0.20	95	70	130	3.7	30	
Sample ID: MB-R94649	Method Blank				Run: SUB-C94649				12/17/07 16:15
Thorium 230	ND	pCi/L	0.2						
Sample ID: LCS-R94649	Laboratory Control Sample				Run: SUB-C94649				12/17/07 16:15
Thorium 230	5.90	pCi/L	0.20	100	70	130			

Qualifiers:
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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R95122
Sample ID: LCS-R95122	Laboratory Control Sample				Run: SUB-C95122				12/27/07 15:15
Thorium 230	5.30	pCi/L	0.20	108	70	130			
Sample ID: C07120686-002AMS	Sample Matrix Spike				Run: SUB-C95122				12/27/07 15:15
Thorium 230	15.2	pCi/L	0.20	93	70	130			
Sample ID: C07120686-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C95122				12/27/07 15:15
Thorium 230	15.1	pCi/L	0.20	93	70	130	0.7	30	
Sample ID: MB-R95122	Method Blank				Run: SUB-C95122				12/27/07 15:15
Thorium 230	ND	pCi/L	0.2						
Method: E909.0M									Batch: C_17122
Sample ID: R07110302-001K	Sample Matrix Spike				Run: SUB-C94571				12/13/07 08:00
Lead 210	790	pCi/L	1.0	99	70	130			
Sample ID: R07110302-001K	Sample Matrix Spike Duplicate				Run: SUB-C94571				12/13/07 08:00
Lead 210	780	pCi/L	1.0	98	70	130	1.5	30	
Sample ID: MB-R94571	Method Blank				Run: SUB-C94571				12/13/07 08:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R94571	Laboratory Control Sample				Run: SUB-C94571				12/13/07 08:00
Lead 210	86	pCi/L	1.0	107	70	130			
Method: E909.0M									Batch: C_R94265
Sample ID: C07111231-004HMS	Sample Matrix Spike				Run: SUB-C94265				12/10/07 07:15
Lead 210	470	pCi/L	1.0	116	70	130			
Sample ID: C07111231-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C94265				12/10/07 07:15
Lead 210	420	pCi/L	1.0	104	70	130	11	30	
Sample ID: MB-R94265	Method Blank				Run: SUB-C94265				12/10/07 07:15
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R94265	Laboratory Control Sample				Run: SUB-C94265				12/10/07 07:15
Lead 210	88	pCi/L	1.0	110	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/30/08
Work Order: R07110302

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_17122
Sample ID: R07110302-004K	Sample Matrix Spike				Run: SUB-C94630				12/18/07 12:00
Polonium 210	400	pCi/L	1.0	90	70	130			
Sample ID: R07110302-004K	Sample Matrix Spike Duplicate				Run: SUB-C94630				12/18/07 12:00
Polonium 210	330	pCi/L	1.0	73	70	130	20	30	
Sample ID: LCS-17122	Laboratory Control Sample				Run: SUB-C94630				12/18/07 12:00
Polonium 210	18	pCi/L	1.0	80	70	130			
Sample ID: MB-17122	Method Blank				Run: SUB-C94630				12/18/07 12:00
Polonium 210	ND	pCi/L	1						
Method: RMO-3008									Batch: C_R94217
Sample ID: C07111231-008HMS	Sample Matrix Spike				Run: SUB-C94217				12/10/07 12:00
Polonium 210	170	pCi/L	1.0	74	70	130			
Sample ID: C07111231-008HMSD	Sample Matrix Spike Duplicate				Run: SUB-C94217				12/10/07 12:00
Polonium 210	170	pCi/L	1.0	76	70	130	2.4	30	
Sample ID: LCS-R94217	Laboratory Control Sample				Run: SUB-C94217				12/10/07 12:00
Polonium 210	21	pCi/L	1.0	92	70	130			
Sample ID: MB-R94217	Method Blank				Run: SUB-C94217				12/10/07 12:00
Polonium 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Berpec	Dewey-Burdock	State:	Yes ☐ No ☐
Report Mail Address:	Contact Name: Phone/Fax:	Email:	Sampler: (Please Print)
	Cory Foreman		Cory Foreman Eric Kiantz
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

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

ANALYSIS REQUESTED

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: SW

Shipped by:

Cooler ID(s):

Receipt Temp 3.6 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	As per Quote												LABORATORY USE ONLY
1	DewBurd Sub 08	11/27/07	8:35	W	X											Sample Bottle Set 2	D7110302-001
2	DewBurd Sub 06	11/27/07	9:36	W	X											Sample Bottle Set 14	002
3	DewBurd Sub 11	11/27/07	10:08	W	X											Sample Bottle Set 1	003
4	DewBurd BK01	11/27/07	2145	W	X											Bottle Set 7	004
5																	
6																	
7																	
8																	
9																	
10																	

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Kiantz	11/28/07 08:10	[signature]	Steve Froiland	11-28-07 8:10	[signature]
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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ANALYTICAL SUMMARY REPORT

February 04, 2008

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

Workorder No.: R07120148 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 5 samples from RESPEC Inc on 12/12/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07120148-001	DewBurdBVC04	12/11/07 10:00	12/12/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R07120148-002	DewBurdBVC01	12/11/07 12:20	12/12/07	Aqueous	Same As Above
R07120148-003	DewBurdBVC01	12/11/07 12:25	12/12/07	Aqueous	Same As Above
R07120148-004	DewBurdCHR05	12/11/07 13:50	12/12/07	Aqueous	Same As Above
R07120148-005	DewBurdBLK01	12/12/07 8:30	12/12/07	Aqueous	Same As Above

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Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

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

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

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

Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-001
Client Sample ID: DewBurdBVC04

Report Date: 02/04/08
Collection Date: 12/11/07 10:00
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	10	CFU/100ml	D	2		2	A9222 D	12/12/07 09:45/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	190	mg/L		5		1	A2320 B	12/18/07 18:45/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/18/07 18:45/sn
Bicarbonate as HCO3	232	mg/L		5		1	A2320 B	12/18/07 18:45/sn
Calcium	449	mg/L	D	1		10	E200.7	12/27/07 13:20/eli-c
Chloride	601	mg/L	D	2		50	E300.0	12/14/07 02:33/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	12/13/07 19:06/jmh
Magnesium	101	mg/L		0.5		10	E200.7	12/27/07 13:20/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/19/07 14:23/sn
Nitrogen, Nitrate as N	0.3	mg/L		0.1		1	E300.0	12/13/07 19:06/jmh
Potassium	5	mg/L		1		2	E200.7	12/27/07 15:37/eli-c
Silica	11.9	mg/L		0.5		10	E200.7	12/27/07 13:20/eli-c
Sodium	415	mg/L	D	8		10	E200.7	12/27/07 13:20/eli-c
Sulfate	1450	mg/L	D	40		50	E300.0	12/14/07 02:33/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4370	umhos/cm		5.0		1	A2510 B	12/15/07 18:37/jmh
pH	7.88	s.u.		0.01		1	A4500-H B	12/15/07 19:04/jmh
Sodium Adsorption Ratio (SAR)	4.6	meq/L		0.10		1	Calculation	01/23/08 16:29/sec
Solids, Suspended Sediment SSC @ 105 C	11	mg/L		5		1	D3977	12/17/07 17:37/jmh
Solids, Total Dissolved TDS @ 180 C	3500	mg/L		5		1	A2540 C	12/13/07 15:05/jmh
Solids, Total Suspended TSS @ 105 C	10	mg/L		5		1	A2540 D	12/12/07 17:14/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/18/07 05:20/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/18/07 05:20/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/18/07 05:20/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	12/27/07 15:37/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/18/07 05:20/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	12/18/07 05:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/18/07 05:20/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/27/07 15:37/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/18/07 05:20/eli-c
Manganese	0.04	mg/L		0.01		1	E200.8	12/18/07 05:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/26/07 15:06/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/18/07 05:20/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-001
Client Sample ID: DewBurdBVC04

Report Date: 02/04/08
Collection Date: 12/11/07 10:00
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	12/18/07 05:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/18/07 05:20/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/18/07 05:20/eli-c
Uranium	0.0114	mg/L		0.0003		1	E200.8	12/18/07 05:20/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/18/07 05:20/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/18/07 05:20/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/23/07 10:56/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/23/07 10:56/eli-c
METALS - TOTAL								
Aluminum	0.1	mg/L		0.1		1	E200.8	12/20/07 00:55/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/20/07 00:55/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/20/07 00:55/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	12/27/07 15:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/20/07 00:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/20/07 00:55/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	12/12/07 17:56/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	01/23/08 16:35/sec
Copper	ND	mg/L		0.01		1	E200.8	12/20/07 00:55/eli-c
Iron	0.19	mg/L		0.03		2	E200.7	12/27/07 15:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/20/07 00:55/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	12/20/07 00:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/21/07 19:11/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/20/07 00:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/20/07 00:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/21/07 19:11/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/20/07 00:55/eli-c
Uranium	0.0135	mg/L		0.0003		1	E200.8	12/20/07 00:55/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/20/07 00:55/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/20/07 00:55/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	12/30/07 10:34/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 09:42/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-001
Client Sample ID: DewBurdBVC04

Report Date: 02/04/08
Collection Date: 12/11/07 10:00
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	12/30/07 11:10/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 10:30/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	26	pCi/L		1.0		1	E909.0M	12/21/07 06:15/eli-c
Lead 210 precision (±)	2.6	pCi/L				1	E909.0M	12/21/07 06:15/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/20/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/27/07 20:45/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 15:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	8.6	pCi/L		1.0		1	E909.0M	12/26/07 10:30/eli-c
Lead 210 precision (±)	1.3	pCi/L				1	E909.0M	12/26/07 10:30/eli-c
Polonium 210	2.9	pCi/L		1.0		1	RMO-3008	01/02/08 16:00/eli-c
Polonium 210 precision (±)	1.6	pCi/L				1	RMO-3008	01/02/08 16:00/eli-c
Radium 226	0.3	pCi/L		0.2		1	E903.0	12/31/07 11:00/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/31/07 11:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 14:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	17.1	pCi/L		1.0		1	E900.0	01/02/08 20:21/eli-c
Gross Alpha precision (±)	2.4	pCi/L				1	E900.0	01/02/08 20:21/eli-c
Gross Beta	11.7	pCi/L		2.0		1	E900.0	01/26/08 01:17/eli-c
Gross Beta precision (±)	6.9	pCi/L				1	E900.0	01/26/08 01:17/eli-c
Gross Gamma	1100	pCi/L		20.0		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	182	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	35	pCi/L		1.0		1	E909.0M	01/05/08 14:23/sec
Lead 210 precision (±)	2.9	pCi/L				1	E909.0M	01/05/08 14:23/sec
Polonium 210	2.9	pCi/L		1.0		1	RMO-3008	01/07/08 15:00/sec
Polonium 210 precision (±)	1.6	pCi/L				1	RMO-3008	01/07/08 15:00/sec
Radium 226	0.3	pCi/L		0.2		1	E903.0	01/05/08 14:23/sec
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	01/05/08 14:23/sec
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/11/08 16:40/sec

DATA QUALITY

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: R07120148-001
Client Sample ID: DewBurdBVC04

Report Date: 02/04/08
Collection Date: 12/11/07 10:00
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	ND	%				1	A1030 E	01/23/08 16:26/sec
Anions	51.0	meq/L				1	A1030 E	01/23/08 16:26/sec
Cations	48.8	meq/L				1	A1030 E	01/23/08 16:26/sec
Solids, Total Dissolved Calculated	3140	mg/L				1	A1030 E	01/23/08 16:26/sec
TDS Balance (0.80 - 1.20)	1.11	dec. %				1	A1030 E	01/23/08 16:26/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-002
Client Sample ID: DewBurdBVC01

Report Date: 02/04/08
Collection Date: 12/11/07 12:20
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	6	CFU/100ml	D	2		2	A9222 D	12/12/07 09:45/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	188	mg/L		5		1	A2320 B	12/18/07 18:54/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/18/07 18:54/sn
Bicarbonate as HCO3	229	mg/L		5		1	A2320 B	12/18/07 18:54/sn
Calcium	452	mg/L	D	1		10	E200.7	12/27/07 13:50/eli-c
Chloride	581	mg/L	D	2		50	E300.0	12/14/07 02:48/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	12/13/07 19:21/jmh
Magnesium	110	mg/L		0.5		10	E200.7	12/27/07 13:50/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/19/07 14:24/sn
Nitrogen, Nitrate as N	0.3	mg/L		0.1		1	E300.0	12/13/07 19:21/jmh
Potassium	5	mg/L		1		2	E200.7	12/27/07 15:40/eli-c
Silica	11.0	mg/L		0.5		10	E200.7	12/27/07 13:50/eli-c
Sodium	426	mg/L	D	8		10	E200.7	12/27/07 13:50/eli-c
Sulfate	1430	mg/L	D	40		50	E300.0	12/14/07 02:48/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4370	umhos/cm		5.0		1	A2510 B	12/15/07 18:38/jmh
pH	7.88	s.u.		0.01		1	A4500-H B	12/15/07 19:05/jmh
Sodium Adsorption Ratio (SAR)	4.7	meq/L		0.10		1	Calculation	01/23/08 16:29/sec
Solids, Suspended Sediment SSC @ 105 C	13	mg/L		5		1	D3977	12/17/07 17:37/jmh
Solids, Total Dissolved TDS @ 180 C	3500	mg/L		5		1	A2540 C	12/13/07 15:06/jmh
Solids, Total Suspended TSS @ 105 C	10	mg/L		5		1	A2540 D	12/12/07 17:16/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/18/07 05:28/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	12/18/07 05:28/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/18/07 05:28/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	12/27/07 15:40/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/18/07 05:28/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	12/18/07 05:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/18/07 05:28/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/27/07 15:40/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/18/07 05:28/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	12/18/07 05:28/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/26/07 15:40/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/18/07 05:28/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-002
Client Sample ID: DewBurdBVC01

Report Date: 02/04/08
Collection Date: 12/11/07 12:20
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	12/18/07 05:28/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/18/07 05:28/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/18/07 05:28/eli-c
Uranium	0.0124	mg/L		0.0003		1	E200.8	12/18/07 05:28/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/18/07 05:28/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/18/07 05:28/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/23/07 11:04/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/23/07 11:04/eli-c
METALS - TOTAL								
Aluminum	0.2	mg/L		0.1		1	E200.8	12/20/07 01:23/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	12/20/07 01:23/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/20/07 01:23/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	12/27/07 15:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/20/07 01:23/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/20/07 01:23/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	12/12/07 17:57/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	01/23/08 16:35/sec
Copper	ND	mg/L		0.01		1	E200.8	12/20/07 01:23/eli-c
Iron	0.25	mg/L		0.03		2	E200.7	12/27/07 15:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/20/07 01:23/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	12/20/07 01:23/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/21/07 19:19/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/20/07 01:23/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/20/07 01:23/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/21/07 19:19/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/20/07 01:23/eli-c
Uranium	0.0142	mg/L		0.0003		1	E200.8	12/20/07 01:23/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/20/07 01:23/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/20/07 01:23/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	12/30/07 10:36/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 09:45/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-002
Client Sample ID: DewBurdBVC01

Report Date: 02/04/08
Collection Date: 12/11/07 12:20
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	12/30/07 11:12/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 10:32/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	11	pCi/L		1.0		1	E909.0M	12/21/07 06:15/eli-c
Lead 210 precision (±)	1.7	pCi/L				1	E909.0M	12/21/07 06:15/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	12/20/07 12:30/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	12/20/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/27/07 21:45/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 15:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.0	pCi/L		1.0		1	E909.0M	12/26/07 10:30/eli-c
Lead 210 precision (±)	0.86	pCi/L				1	E909.0M	12/26/07 10:30/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	01/02/08 16:00/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	01/02/08 16:00/eli-c
Radium 226	0.4	pCi/L		0.2		1	E903.0	12/31/07 11:00/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	12/31/07 11:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 14:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	27.9	pCi/L		1.0		1	E900.0	01/02/08 20:21/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	01/02/08 20:21/eli-c
Gross Beta	14.9	pCi/L		2.0		1	E900.0	01/02/08 20:21/eli-c
Gross Beta precision (±)	7.1	pCi/L				1	E900.0	01/02/08 20:21/eli-c
Gross Gamma	1310	pCi/L		20.0		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	188	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	14	pCi/L		1.0		1	E909.0M	01/05/08 14:23/sec
Lead 210 precision (±)	1.9	pCi/L				1	E909.0M	01/05/08 14:23/sec
Polonium 210	2.6	pCi/L		1.0		1	RMO-3008	01/07/08 15:00/sec
Polonium 210 precision (±)	1.6	pCi/L				1	RMO-3008	01/07/08 15:00/sec
Radium 226	0.4	pCi/L		0.2		1	E903.0	01/05/08 14:23/sec
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	01/05/08 14:23/sec
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/11/08 16:40/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-002
Client Sample ID: DewBurdBVC01

Report Date: 02/04/08
Collection Date: 12/11/07 12:20
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	0.412	%				1	A1030 E	01/23/08 16:26/sec
Anions	49.8	meq/L				1	A1030 E	01/23/08 16:26/sec
Cations	50.3	meq/L				1	A1030 E	01/23/08 16:26/sec
Solids, Total Dissolved Calculated	3110	mg/L				1	A1030 E	01/23/08 16:26/sec
TDS Balance (0.80 - 1.20)	1.14	dec. %				1	A1030 E	01/23/08 16:26/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-003
Client Sample ID: DewBurdBVC01

Report Date: 02/04/08
Collection Date: 12/11/07 12:25
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	14	CFU/100ml	D	2		2	A9222 D	12/12/07 09:45/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	184	mg/L		5		1	A2320 B	12/18/07 18:55/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/18/07 18:55/sn
Bicarbonate as HCO3	224	mg/L		5		1	A2320 B	12/18/07 18:55/sn
Calcium	451	mg/L	D	1		10	E200.7	12/27/07 13:53/eli-c
Chloride	610	mg/L	D	2		50	E300.0	12/14/07 03:04/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	12/13/07 19:36/jmh
Magnesium	109	mg/L		0.5		10	E200.7	12/27/07 13:53/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/19/07 14:25/sn
Nitrogen, Nitrate as N	0.3	mg/L		0.1		1	E300.0	12/13/07 19:36/jmh
Potassium	6	mg/L		1		2	E200.7	12/27/07 15:44/eli-c
Silica	11.0	mg/L		0.5		10	E200.7	12/27/07 13:53/eli-c
Sodium	412	mg/L	D	8		10	E200.7	12/27/07 13:53/eli-c
Sulfate	1510	mg/L	D	40		50	E300.0	12/14/07 03:04/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4380	umhos/cm		5.0		1	A2510 B	12/15/07 18:39/jmh
pH	7.89	s.u.		0.01		1	A4500-H B	12/15/07 19:06/jmh
Sodium Adsorption Ratio (SAR)	4.5	meq/L		0.10		1	Calculation	01/23/08 16:29/sec
Solids, Suspended Sediment SSC @ 105 C	13	mg/L		5		1	D3977	12/17/07 17:37/jmh
Solids, Total Dissolved TDS @ 180 C	3500	mg/L		5		1	A2540 C	12/13/07 15:08/jmh
Solids, Total Suspended TSS @ 105 C	12	mg/L		5		1	A2540 D	12/12/07 17:17/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/18/07 05:35/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	12/18/07 05:35/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/18/07 05:35/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	12/27/07 15:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/18/07 05:35/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	12/18/07 05:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/18/07 05:35/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/27/07 15:44/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/18/07 05:35/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	12/18/07 05:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/26/07 15:46/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/18/07 05:35/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-003
Client Sample ID: DewBurdBVC01

Report Date: 02/04/08
Collection Date: 12/11/07 12:25
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	0.01	mg/L		0.01		1	E200.8	12/18/07 05:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/18/07 05:35/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/18/07 05:35/eli-c
Uranium	0.0129	mg/L		0.0003		1	E200.8	12/18/07 05:35/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/18/07 05:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/18/07 05:35/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/23/07 11:11/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	12/23/07 11:11/eli-c
METALS - TOTAL								
Aluminum	0.2	mg/L		0.1		1	E200.8	12/20/07 01:29/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/20/07 01:29/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/20/07 01:29/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	12/27/07 16:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/20/07 01:29/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/20/07 01:29/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	12/12/07 17:59/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	01/23/08 16:35/sec
Copper	ND	mg/L		0.01		1	E200.8	12/20/07 01:29/eli-c
Iron	0.28	mg/L		0.03		2	E200.7	12/27/07 16:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/20/07 01:29/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	12/20/07 01:29/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/21/07 19:27/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/20/07 01:29/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/20/07 01:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/21/07 19:27/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/20/07 01:29/eli-c
Uranium	0.0151	mg/L		0.0003		1	E200.8	12/20/07 01:29/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/20/07 01:29/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/20/07 01:29/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	12/30/07 10:38/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 09:47/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-003
Client Sample ID: DewBurdBVC01

Report Date: 02/04/08
Collection Date: 12/11/07 12:25
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	12/30/07 11:14/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 10:34/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/21/07 06:15/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	12/20/07 12:30/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	12/20/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/27/07 22:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 15:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.4	pCi/L		1.0		1	E909.0M	12/26/07 10:30/eli-c
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	12/26/07 10:30/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	01/02/08 16:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	01/02/08 16:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/31/07 11:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 14:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	25.8	pCi/L		1.0		1	E900.0	01/02/08 20:21/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	01/02/08 20:21/eli-c
Gross Beta	5.7	pCi/L		2.0		1	E900.0	01/02/08 20:21/eli-c
Gross Beta precision (±)	7.0	pCi/L				1	E900.0	01/02/08 20:21/eli-c
Gross Gamma	1120	pCi/L		20.0		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	174	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	4.4	pCi/L		1.0		1	E909.0M	01/05/08 14:23/sec
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	01/05/08 14:23/sec
Polonium 210	2.6	pCi/L		1.0		1	RMO-3008	01/07/08 15:00/sec
Polonium 210 precision (±)	1.6	pCi/L				1	RMO-3008	01/07/08 15:00/sec
Radium 226	ND	pCi/L		0.2		1	E903.0	01/05/08 14:23/sec
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/11/08 16:40/sec
DATA QUALITY								
A/C Balance (± 5)	ND	%				1	A1030 E	01/23/08 16:27/sec
Anions	52.3	meq/L				1	A1030 E	01/23/08 16:27/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-003
Client Sample ID: DewBurdBVC01

Report Date: 02/04/08
Collection Date: 12/11/07 12:25
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	49.6	meq/L				1	A1030 E	01/23/08 16:27/sec
Solids, Total Dissolved Calculated	3210	mg/L				1	A1030 E	01/23/08 16:27/sec
TDS Balance (0.80 - 1.20)	1.10	dec. %				1	A1030 E	01/23/08 16:27/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-004
Client Sample ID: DewBurdCHR05

Report Date: 02/04/08
Collection Date: 12/11/07 13:50
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	6	CFU/100ml	D	2		2	A9222 D	12/12/07 09:45/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	182	mg/L		5		1	A2320 B	12/18/07 18:57/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/18/07 18:57/sn
Bicarbonate as HCO3	222	mg/L		5		1	A2320 B	12/18/07 18:57/sn
Calcium	441	mg/L	D	1		10	E200.7	12/27/07 13:56/eli-c
Chloride	509	mg/L	D	2		50	E300.0	12/14/07 03:19/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	12/13/07 19:52/jmh
Magnesium	109	mg/L		0.5		10	E200.7	12/27/07 13:56/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/19/07 14:26/sn
Nitrogen, Nitrate as N	0.3	mg/L		0.1		1	E300.0	12/13/07 19:52/jmh
Potassium	6	mg/L		1		2	E200.7	12/27/07 15:47/eli-c
Silica	10.4	mg/L		0.5		10	E200.7	12/27/07 13:56/eli-c
Sodium	360	mg/L	D	8		10	E200.7	12/27/07 13:56/eli-c
Sulfate	1570	mg/L	D	40		50	E300.0	12/14/07 03:19/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4080	umhos/cm		5.0		1	A2510 B	12/15/07 18:40/jmh
pH	7.90	s.u.		0.01		1	A4500-H B	12/15/07 19:07/jmh
Sodium Adsorption Ratio (SAR)	4.0	meq/L		0.10		1	Calculation	01/23/08 16:29/sec
Solids, Suspended Sediment SSC @ 105 C	8	mg/L		5		1	D3977	12/17/07 17:38/jmh
Solids, Total Dissolved TDS @ 180 C	3300	mg/L		5		1	A2540 C	12/13/07 15:09/jmh
Solids, Total Suspended TSS @ 105 C	7	mg/L		5		1	A2540 D	12/12/07 17:17/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/18/07 05:43/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/18/07 05:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/18/07 05:43/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	12/27/07 15:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/18/07 05:43/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	12/18/07 05:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/18/07 05:43/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/27/07 15:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/18/07 05:43/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	12/18/07 05:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/26/07 15:53/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/18/07 05:43/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-004
Client Sample ID: DewBurdCHR05

Report Date: 02/04/08
Collection Date: 12/11/07 13:50
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	0.01	mg/L		0.01		1	E200.8	12/18/07 05:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/18/07 05:43/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/18/07 05:43/eli-c
Uranium	0.0125	mg/L		0.0003		1	E200.8	12/18/07 05:43/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/18/07 05:43/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/18/07 05:43/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/23/07 11:19/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	12/23/07 11:19/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	12/20/07 01:36/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/20/07 01:36/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/20/07 01:36/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	12/27/07 16:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/20/07 01:36/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/20/07 01:36/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	12/12/07 17:59/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	01/23/08 16:35/sec
Copper	ND	mg/L		0.01		1	E200.8	12/20/07 01:36/eli-c
Iron	0.13	mg/L		0.03		2	E200.7	12/27/07 16:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/20/07 01:36/eli-c
Manganese	0.10	mg/L		0.01		1	E200.8	12/20/07 01:36/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/21/07 19:34/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/20/07 01:36/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/20/07 01:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/21/07 19:34/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/20/07 01:36/eli-c
Uranium	0.0152	mg/L		0.0003		1	E200.8	12/20/07 01:36/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/20/07 01:36/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/20/07 01:36/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	12/30/07 10:40/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 09:49/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-004
Client Sample ID: DewBurdCHR05

Report Date: 02/04/08
Collection Date: 12/11/07 13:50
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	12/30/07 11:16/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 10:36/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	5.9	pCi/L		1.0		1	E909.0M	12/21/07 06:15/eli-c
Lead 210 precision (±)	1.3	pCi/L				1	E909.0M	12/21/07 06:15/eli-c
Polonium 210	2.4	pCi/L		1.0		1	RMO-3008	12/20/07 12:30/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	12/20/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/27/07 23:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 15:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/26/07 10:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	01/02/08 16:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/31/07 12:18/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 14:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	24.9	pCi/L		1.0		1	E900.0	01/02/08 20:21/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	01/02/08 20:21/eli-c
Gross Beta	12.5	pCi/L		2.0		1	E900.0	01/02/08 20:21/eli-c
Gross Beta precision (±)	7.1	pCi/L				1	E900.0	01/02/08 20:21/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	12/05/07 10:50/eli-c
- Analysis of an alternate sample aliquot shows ND for K40 as well as Gross Gamma.								
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	5.9	pCi/L		1.0		1	E909.0M	01/05/08 14:23/sec
Lead 210 precision (±)	1.3	pCi/L				1	E909.0M	01/05/08 14:23/sec
Polonium 210	3.4	pCi/L		1.0		1	RMO-3008	01/07/08 15:00/sec
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	01/07/08 15:00/sec
Radium 226	ND	pCi/L		0.2		1	E903.0	01/05/08 14:23/sec
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/11/08 16:40/sec
- Analysis of an alternate sample aliquot shows ND for K40 as well as Gross Gamma.								
DATA QUALITY								
A/C Balance (± 5)	ND	%				1	A1030 E	01/23/08 16:27/sec
Anions	50.6	meq/L				1	A1030 E	01/23/08 16:27/sec
Cations	46.8	meq/L				1	A1030 E	01/23/08 16:27/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-004
Client Sample ID: DewBurdCHR05

Report Date: 02/04/08
Collection Date: 12/11/07 13:50
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Solids, Total Dissolved Calculated	3100	mg/L				1	A1030 E	01/23/08 16:27/sec
TDS Balance (0.80 - 1.20)	1.07	dec. %				1	A1030 E	01/23/08 16:27/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-005
Client Sample ID: DewBurdBLK01

Report Date: 02/04/08
Collection Date: 12/12/07 08:30
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	12/12/07 09:45/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	12/18/07 18:58/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/18/07 18:58/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	12/18/07 18:58/sn
Calcium	ND	mg/L		0.5		2	E200.7	12/27/07 15:50/eli-c
Chloride	ND	mg/L		1		1	E300.0	12/13/07 20:07/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	12/13/07 20:07/jmh
Magnesium	ND	mg/L		0.5		2	E200.7	12/27/07 15:50/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/19/07 14:27/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	12/13/07 20:07/jmh
Potassium	ND	mg/L		1		2	E200.7	12/27/07 15:50/eli-c
Silica	ND	mg/L		0.5		2	E200.7	12/27/07 15:50/eli-c
Sodium	ND	mg/L	D	2		2	E200.7	12/27/07 15:50/eli-c
Sulfate	1	mg/L		1		1	E300.0	12/13/07 20:07/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	12/15/07 18:41/jmh
pH	5.56	s.u.		0.01		1	A4500-H B	12/15/07 19:10/jmh
Sodium Adsorption Ratio (SAR)	0.16	meq/L		0.10		1	Calculation	01/23/08 16:29/sec
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	12/17/07 17:38/jmh
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		5		1	A2540 C	12/13/07 15:11/jmh
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	12/12/07 17:17/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	12/18/07 05:50/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/18/07 05:50/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/18/07 05:50/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/27/07 15:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/18/07 05:50/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	12/18/07 05:50/eli-c
Copper	ND	mg/L		0.01		1	E200.8	12/18/07 05:50/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/27/07 15:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/18/07 05:50/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	12/18/07 05:50/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/26/07 16:13/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/18/07 05:50/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-005
Client Sample ID: DewBurdBLK01

Report Date: 02/04/08
Collection Date: 12/12/07 08:30
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	12/18/07 05:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/18/07 05:50/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/18/07 05:50/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/18/07 05:50/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/18/07 05:50/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/18/07 05:50/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	12/23/07 11:26/eli-c
Uranium	0.0012	mg/L		0.0003		1	E200.8	12/23/07 11:26/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	12/20/07 01:43/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	12/20/07 01:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	12/20/07 01:43/eli-c
Boron	ND	mg/L		0.1		2	E200.7	12/27/07 16:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	12/20/07 01:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	12/20/07 01:43/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	12/12/07 18:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	01/23/08 16:35/sec
Copper	ND	mg/L		0.01		1	E200.8	12/20/07 01:43/eli-c
Iron	ND	mg/L		0.03		2	E200.7	12/27/07 16:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	12/20/07 01:43/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	12/20/07 01:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	12/21/07 19:42/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	12/20/07 01:43/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	12/20/07 01:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	12/21/07 19:42/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	12/20/07 01:43/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	12/20/07 01:43/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	12/20/07 01:43/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	12/20/07 01:43/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/30/07 10:43/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 09:51/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07120148-005
Client Sample ID: DewBurdBLK01

Report Date: 02/04/08
Collection Date: 12/12/07 08:30
Date Received: 12/12/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	12/30/07 11:18/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/29/07 10:38/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/30/07 11:58/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/21/07 06:15/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	12/20/07 12:30/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	12/20/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/28/07 00:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/27/07 15:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/26/07 10:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	01/02/08 16:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/31/07 12:18/eli-c
Thorium 230	2.6	pCi/L		0.2		1	E907.0	12/27/07 14:30/eli-c
Thorium 230 precision (±)	0.9	pCi/L				1	E907.0	12/27/07 14:30/eli-c
- Thorium 230 results confirmed by analysis of a second sample aliquot.								
RADIONUCLIDES - TOTAL								
Gross Alpha	ND	pCi/L		1.0		1	E900.0	01/02/08 20:22/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	01/02/08 20:22/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	01/05/08 14:23/sec
Polonium 210	2.2	pCi/L		1.0		1	RMO-3008	01/07/08 15:00/sec
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	01/07/08 15:00/sec
Radium 226	ND	pCi/L		0.2		1	E903.0	01/05/08 14:23/sec
Thorium 230	2.6	pCi/L		0.2		1	E907.0	01/11/08 16:40/sec
Thorium 230 precision (±)	0.9	pCi/L				1	E907.0	01/11/08 16:40/sec
DATA QUALITY								
Anions	0.0264	meq/L				1	A1030 E	01/23/08 16:27/sec
Cations	0.00334	meq/L				1	A1030 E	01/23/08 16:27/sec
- The Ion and TDS balances are not appropriate for near blank results.								

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071218A-ALK-SEL-W	
Sample ID: MBLK1_071218A	Method Blank				Run: PH_COND1-R_071218A			12/18/07 18:05	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_071218A	Laboratory Control Sample				Run: PH_COND1-R_071218A			12/18/07 18:06	
Alkalinity, Total as CaCO3	1000	mg/L	5.0	100	90	110			
Sample ID: R07120148-001ADUP	Sample Duplicate				Run: PH_COND1-R_071218A			12/19/07 18:45	
Alkalinity, Total as CaCO3	190	mg/L	5.0				0.0	10	
Carbonate as CO3	ND	mg/L	5.0				0.0	10	
Bicarbonate as HCO3	232	mg/L	5.0				0.0	10	
Method: A2510 B								Batch: 071215_1_COND-PROBE-W	
Sample ID: LCS1-1_071215	Laboratory Control Sample				Run: PH_COND2-R_071215A			12/15/07 18:21	
Conductivity @ 25 C	155	umhos/cm	5.0	103	90	110			
Sample ID: LCS2-1_071215	Laboratory Control Sample				Run: PH_COND2-R_071215A			12/15/07 18:22	
Conductivity @ 25 C	5180	umhos/cm	5.0	104	90	110			
Sample ID: LCS_COND-1_071215	Laboratory Control Sample				Run: PH_COND2-R_071215A			12/15/07 18:23	
Conductivity @ 25 C	1420	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071215	Method Blank				Run: PH_COND2-R_071215A			12/15/07 18:23	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 071213A-SLDS-TDS-W	
Sample ID: LCS1_071213A	Laboratory Control Sample				Run: BAL-4-R_071213A			12/13/07 14:30	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: MBLK1_071213A	Method Blank				Run: BAL-4-R_071213A			12/13/07 14:31	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R07120143-003CMS	Sample Matrix Spike				Run: BAL-4-R_071213A			12/13/07 14:50	
Solids, Total Dissolved TDS @ 180 C	250	mg/L	5.0	105	80	120			
Sample ID: R07120143-003CMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071213A			12/13/07 14:52	
Solids, Total Dissolved TDS @ 180 C	250	mg/L	5.0	103	80	120	1.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 071212A-SLDS-TSS-W	
Sample ID: MBLK1_071212A	Method Blank				Run: BAL-4-R_071212A			12/12/07 17:02	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_071212A	Laboratory Control Sample				Run: BAL-4-R_071212A			12/12/07 17:02	
Solids, Total Suspended TSS @ 105 C	180	mg/L	5.0	92	85	115			
Sample ID: R07120148-001ADUP	Sample Duplicate				Run: BAL-4-R_071212A			12/12/07 17:14	
Solids, Total Suspended TSS @ 105 C	9.0	mg/L	5.0				11	20	
Method: A3114 B								Batch: C_SE3114-071230	
Sample ID: MBLK	Method Blank				Run: SUB-C94924			12/30/07 10:22	
Selenium	ND	mg/L	0.0004						
Sample ID: R07120148-005G	Sample Matrix Spike				Run: SUB-C94924			12/30/07 10:45	
Selenium	0.044	mg/L	0.0010	87	85	115			
Sample ID: R07120148-005G	Sample Matrix Spike Duplicate				Run: SUB-C94924			12/30/07 10:47	
Selenium	0.046	mg/L	0.0010	93	85	115	5.6	10	
Sample ID: 288-12-1	Laboratory Control Sample				Run: SUB-C94924			12/30/07 10:49	
Selenium	0.045	mg/L	0.0010	90	90	110			
Sample ID: R07120148-005H	Sample Matrix Spike				Run: SUB-C94924			12/30/07 11:20	
Selenium	0.046	mg/L	0.0010	92	85	115			
Sample ID: R07120148-005H	Sample Matrix Spike Duplicate				Run: SUB-C94924			12/30/07 11:23	
Selenium	0.045	mg/L	0.0010	90	85	115	1.8	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV3114-071229	
Sample ID: MBLK	Method Blank				Run: SUB-C94906			12/29/07 09:32	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: R07120148-005G	Sample Matrix Spike				Run: SUB-C94906			12/29/07 09:54	
Selenium-IV	0.045	mg/L	0.0010	90	85	115			
Sample ID: R07120148-005G	Sample Matrix Spike Duplicate				Run: SUB-C94906			12/29/07 09:56	
Selenium-IV	0.047	mg/L	0.0010	93	85	115	3.2	10	
Sample ID: 288-7-1	Laboratory Control Sample				Run: SUB-C94906			12/29/07 10:03	
Selenium-IV	0.045	mg/L	0.0010	90	90	110			
Sample ID: R07120148-005H	Sample Matrix Spike				Run: SUB-C94906			12/29/07 10:50	
Selenium-IV	0.044	mg/L	0.0010	88	85	115			
- Matrix spike recoveries outside the acceptance criteria of 85 to 115 percent are considered matrix related, not system related. Reported values are within method specifications.									
Sample ID: R07120148-005H	Sample Matrix Spike Duplicate				Run: SUB-C94906			12/29/07 10:52	
Selenium-IV	0.042	mg/L	0.0010	83	85	115	5.1	10	S
- Matrix spike duplicate recoveries outside the acceptance criteria of 85 to 115 percent are considered matrix related, not system related. Reported values are within method specifications.									
Method: A3500-Cr B								Batch: 071212A-CR-HEX-W	
Sample ID: MBLK1_071212A	Method Blank				Run: SPEC1_071213A			12/12/07 17:55	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS1_071212A	Laboratory Control Sample				Run: SPEC1_071213A			12/12/07 17:56	
Chromium, Hexavalent	0.21	mg/L	0.0050	103	80	120			
Sample ID: R07120148-001DMS	Sample Matrix Spike				Run: SPEC1_071213A			12/12/07 17:57	
Chromium, Hexavalent	0.20	mg/L	0.0050	100	80	120			
Sample ID: R07120148-002DMS	Sample Matrix Spike				Run: SPEC1_071213A			12/12/07 17:59	
Chromium, Hexavalent	0.21	mg/L	0.0050	107	80	120			
Sample ID: R07120148-003DMS	Sample Matrix Spike				Run: SPEC1_071213A			12/12/07 17:59	
Chromium, Hexavalent	0.20	mg/L	0.0050	100	80	120			
Sample ID: R07120148-004DMS	Sample Matrix Spike				Run: SPEC1_071213A			12/12/07 17:59	
Chromium, Hexavalent	0.19	mg/L	0.0050	97	80	120			
Sample ID: R07120148-005DMS	Sample Matrix Spike				Run: SPEC1_071213A			12/12/07 18:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	96	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Batch: 071215_1_PH-W	
Sample ID: LCS_pH-1_071215	Laboratory Control Sample				Run: PH_COND2-R_071215A			12/15/07 18:58	
pH	6.88	s.u.	0.010	100	98.55	101.45			
Method: A4500-NH3 G								Batch: A2007-12-19_2_NH3_01	
Sample ID: MBLK-1	Method Blank				Run: TECHAA2-R_071219A			12/19/07 12:36	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_071219A			12/19/07 12:40	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: LFB-5	Laboratory Fortified Blank				Run: TECHAA2-R_071219A			12/19/07 12:41	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	107	90	110			
Sample ID: R07120125-002BMS	Sample Matrix Spike				Run: TECHAA2-R_071219A			12/19/07 14:15	
Nitrogen, Ammonia as N	0.28	mg/L	0.10	112	80	120			
Sample ID: R07120149-002CMS	Sample Matrix Spike				Run: TECHAA2-R_071219A			12/19/07 14:34	
Nitrogen, Ammonia as N	0.34	mg/L	0.10	113	80	120			
Method: A9222 D								Batch: 071212-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_071212A			12/12/07 09:45	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_17242
Sample ID: MB-17242	Method Blank				Run: SUB-C94881				12/27/07 11:12
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	0.05	mg/L	0.04						
Silica	0.03	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS-17242	Laboratory Control Sample				Run: SUB-C94881				12/27/07 11:15
Boron	0.49	mg/L	0.10	99	85	115			
Iron	0.52	mg/L	0.030	105	85	115			
Calcium	47	mg/L	0.50	94	85	115			
Magnesium	47	mg/L	0.50	94	85	115			
Potassium	48	mg/L	0.50	95	85	115			
Sodium	48	mg/L	0.53	97	85	115			
Sample ID: R07120148-001F	Sample Matrix Spike				Run: SUB-C94881				12/27/07 14:06
Boron	8.85	mg/L	0.13	86	70	130			
Iron	9.16	mg/L	0.087	90	70	130			
Calcium	848	mg/L	0.79	76	70	130			
Magnesium	532	mg/L	0.80	85	70	130			
Potassium	1010	mg/L	0.50	84	70	130			
Silica	20.6	mg/L	0.11	79	70	130			
Sodium	772	mg/L	5.3	70	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: R07120148-001F	Sample Matrix Spike Duplicate				Run: SUB-C94881				12/27/07 14:09
Boron	9.37	mg/L	0.13	92	70	130	5.7	20	
Iron	9.54	mg/L	0.087	94	70	130	4.1	20	
Calcium	860	mg/L	0.79	79	70	130	1.4	20	
Magnesium	543	mg/L	0.80	87	70	130	2.0	20	
Potassium	1030	mg/L	0.50	85	70	130	1.1	20	
Silica	21.2	mg/L	0.11	85	70	130	2.8	20	
Sodium	793	mg/L	5.3	74	70	130	2.7	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R94881
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C94881				12/27/07 10:30
Silica	2.0	mg/L	0.10	100	85	125			
Boron	1.9	mg/L	0.10	97	85	125			
Iron	2.0	mg/L	0.030	100	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C94881				12/27/07 10:33
Calcium	24	mg/L	0.50	97	85	125			
Magnesium	24	mg/L	0.50	98	85	125			
Potassium	26	mg/L	0.50	105	85	125			
Sodium	24	mg/L	0.76	97	85	125			
Sample ID: R07120148-001E	Sample Matrix Spike				Run: SUB-C94881				12/27/07 13:23
Boron	9.26	mg/L	0.10	91	70	130			
Iron	9.28	mg/L	0.046	93	70	130			
Calcium	857	mg/L	1.0	82	70	130			
Magnesium	525	mg/L	0.50	85	70	130			
Potassium	1060	mg/L	0.50	88	70	130			
Silica	20.9	mg/L	0.20	89	70	130			
Sodium	826	mg/L	7.6	82	70	130			
Sample ID: R07120148-001E	Sample Matrix Spike Duplicate				Run: SUB-C94881				12/27/07 13:27
Boron	9.77	mg/L	0.10	96	70	130	5.4	20	
Iron	9.60	mg/L	0.046	96	70	130	3.4	20	
Calcium	880	mg/L	1.0	86	70	130	2.6	20	
Magnesium	536	mg/L	0.50	87	70	130	2.1	20	
Potassium	1060	mg/L	0.50	88	70	130	0.8	20	
Silica	21.2	mg/L	0.20	93	70	130	1.7	20	
Sodium	824	mg/L	7.6	82	70	130	0.2	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17242
Sample ID: MB-17242	Method Blank				Run: SUB-C94576				12/20/07 00:08
Aluminum	0.0003	mg/L	0.0002						
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	9E-05	mg/L	5E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Manganese	0.0001	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Thorium 232	ND	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LCS1-17242	Laboratory Control Sample				Run: SUB-C94576				12/20/07 00:15
Aluminum	0.020	mg/L	0.10	100	80	120			
Arsenic	0.019	mg/L	0.0010	97	80	120			
Barium	0.020	mg/L	0.10	101	80	120			
Cadmium	0.020	mg/L	0.010	99	80	120			
Chromium	0.020	mg/L	0.050	102	80	120			
Copper	0.019	mg/L	0.010	97	80	120			
Lead	0.020	mg/L	0.050	100	80	120			
Manganese	0.021	mg/L	0.010	103	80	120			
Molybdenum	0.020	mg/L	0.10	99	80	120			
Nickel	0.020	mg/L	0.050	98	80	120			
Thorium 232	0.020	mg/L	0.0010	99	80	120			
Uranium	0.020	mg/L	0.00030	99	80	120			
Vanadium	0.020	mg/L	0.10	101	80	120			
Zinc	0.021	mg/L	0.010	105	80	120			
Sample ID: LCS-17242	Laboratory Control Sample				Run: SUB-C94576				12/20/07 00:22
Aluminum	0.52	mg/L	0.10	104	85	115			
Arsenic	0.53	mg/L	0.0010	106	85	115			
Barium	0.53	mg/L	0.10	106	85	115			
Cadmium	0.52	mg/L	0.010	103	85	115			
Chromium	0.54	mg/L	0.050	108	85	115			
Copper	0.50	mg/L	0.010	100	85	115			
Lead	0.53	mg/L	0.050	106	85	115			
Manganese	0.54	mg/L	0.010	107	85	115			
Molybdenum	0.51	mg/L	0.10	103	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17242
Sample ID: LCS-17242	Laboratory Control Sample				Run: SUB-C94576				12/20/07 00:22
Nickel	0.50	mg/L	0.050	101	85	115			
Uranium	0.53	mg/L	0.00032	106	85	115			
Vanadium	0.53	mg/L	0.10	106	85	115			
Zinc	0.52	mg/L	0.010	103	85	115			
Sample ID: R07120148-005F	Post Digestion Spike				Run: SUB-C94576				12/20/07 01:50
Aluminum	0.0796	mg/L	0.10	112	70	130			
Arsenic	0.0740	mg/L	0.0010	106	70	130			
Barium	0.0735	mg/L	0.10	105	70	130			
Cadmium	0.0716	mg/L	0.010	102	70	130			
Chromium	0.0769	mg/L	0.050	110	70	130			
Copper	0.0709	mg/L	0.010	101	70	130			
Lead	0.0722	mg/L	0.050	103	70	130			
Manganese	0.0780	mg/L	0.010	111	70	130			
Molybdenum	0.0718	mg/L	0.10	103	70	130			
Nickel	0.0718	mg/L	0.050	103	70	130			
Thorium 232	0.0737	mg/L	0.0010	105	70	130			
Uranium	0.0734	mg/L	0.00030	105	70	130			
Vanadium	0.0750	mg/L	0.10	107	70	130			
Zinc	0.0721	mg/L	0.010	101	70	130			
Sample ID: R07120148-005F	Post Digestion Spike Duplicate				Run: SUB-C94576				12/20/07 01:57
Aluminum	0.0785	mg/L	0.10	111	70	130	0.0	20	
Arsenic	0.0714	mg/L	0.0010	102	70	130	3.6	20	
Barium	0.0711	mg/L	0.10	101	70	130	0.0	20	
Cadmium	0.0688	mg/L	0.010	98	70	130	4.0	20	
Chromium	0.0747	mg/L	0.050	106	70	130	2.9	20	
Copper	0.0678	mg/L	0.010	97	70	130	4.6	20	
Lead	0.0699	mg/L	0.050	100	70	130	3.3	20	
Manganese	0.0763	mg/L	0.010	109	70	130	2.2	20	
Molybdenum	0.0690	mg/L	0.10	99	70	130	0.0	20	
Nickel	0.0690	mg/L	0.050	99	70	130	3.9	20	
Thorium 232	0.0716	mg/L	0.0010	102	70	130	2.9	20	
Uranium	0.0716	mg/L	0.00030	102	70	130	2.5	20	
Vanadium	0.0728	mg/L	0.10	104	70	130	0.0	20	
Zinc	0.0695	mg/L	0.010	97	70	130	3.7	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R94414
Sample ID: LRB	Method Blank				Run: SUB-C94414				12/17/07 15:10
Aluminum	ND	mg/L	0.0002						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	0.0002						
Chromium	ND	mg/L	0.0001						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	2E-05						
Manganese	ND	mg/L	3E-05						
Molybdenum	0.0003	mg/L	7E-05						
Nickel	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	ND	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	9E-05						
Zinc	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C94414				12/17/07 15:24
Aluminum	0.0497	mg/L	0.0010	99	85	115			
Arsenic	0.0504	mg/L	0.0010	101	85	115			
Barium	0.0520	mg/L	0.0010	104	85	115			
Cadmium	0.0513	mg/L	0.0010	102	85	115			
Chromium	0.0498	mg/L	0.0010	100	85	115			
Copper	0.0522	mg/L	0.0010	104	85	115			
Lead	0.0502	mg/L	0.0010	100	85	115			
Manganese	0.0491	mg/L	0.0010	98	85	115			
Molybdenum	0.0515	mg/L	0.0010	102	85	115			
Nickel	0.0498	mg/L	0.0010	100	85	115			
Silver	0.0197	mg/L	0.0010	99	85	115			
Thorium 232	0.0502	mg/L	0.0010	100	85	115			
Uranium	0.0493	mg/L	0.00030	99	85	115			
Vanadium	0.0507	mg/L	0.0010	101	85	115			
Zinc	0.0513	mg/L	0.0021	103	85	115			
Sample ID: C07120311-004EMS4	Post Digestion Spike				Run: SUB-C94414				12/18/07 06:20
Aluminum	0.487	mg/L	0.10	97	70	130			
Arsenic	0.480	mg/L	0.0016	95	70	130			
Barium	0.613	mg/L	0.10	98	70	130			
Cadmium	0.449	mg/L	0.010	90	70	130			
Chromium	0.451	mg/L	0.050	90	70	130			
Copper	0.468	mg/L	0.010	94	70	130			
Lead	0.479	mg/L	0.050	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R94414	
Sample ID: C07120311-004EMS4	Post Digestion Spike				Run: SUB-C94414			12/18/07 06:20	
Manganese	0.575	mg/L	0.010	91	70	130			
Molybdenum	0.477	mg/L	0.10	95	70	130			
Nickel	0.454	mg/L	0.050	90	70	130			
Silver	0.131	mg/L	0.010	66	70	130			S
Thorium 232	0.502	mg/L	0.0010	100	70	130			
Uranium	0.519	mg/L	0.00035	101	70	130			
Vanadium	0.481	mg/L	0.10	96	70	130			
Zinc	0.456	mg/L	0.021	91	70	130			
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C07120311-004EMSD4	Post Digestion Spike Duplicate				Run: SUB-C94414			12/18/07 06:28	
Aluminum	0.476	mg/L	0.10	95	70	130	2.3	20	
Arsenic	0.482	mg/L	0.0016	95	70	130	0.3	20	
Barium	0.593	mg/L	0.10	94	70	130	3.4	20	
Cadmium	0.465	mg/L	0.010	93	70	130	3.5	20	
Chromium	0.462	mg/L	0.050	92	70	130	2.4	20	
Copper	0.462	mg/L	0.010	92	70	130	1.3	20	
Lead	0.480	mg/L	0.050	96	70	130	0.3	20	
Manganese	0.587	mg/L	0.010	93	70	130	2.0	20	
Molybdenum	0.496	mg/L	0.10	99	70	130	3.9	20	
Nickel	0.461	mg/L	0.050	92	70	130	1.6	20	
Silver	0.140	mg/L	0.010	70	70	130	6.6	20	
Thorium 232	0.505	mg/L	0.0010	101	70	130	0.6	20	
Uranium	0.523	mg/L	0.00035	102	70	130	0.8	20	
Vanadium	0.481	mg/L	0.10	96	70	130	0.1	20	
Zinc	0.447	mg/L	0.021	89	70	130	1.9	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R94699
Sample ID: LRB	Method Blank				Run: SUB-C94699				12/22/07 22:56
Thorium 232	0.0001	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C94699				12/22/07 23:04
Thorium 232	0.0505	mg/L	0.0010	101	85	115			
Uranium	0.0500	mg/L	0.00030	100	85	115			
Sample ID: R07120148-005K	Post Digestion Spike				Run: SUB-C94699				12/23/07 11:34
Thorium 232	0.243	mg/L	0.0010	97	70	130			
Uranium	0.244	mg/L	0.00030	97	70	130			
Sample ID: R07120148-005K	Post Digestion Spike Duplicate				Run: SUB-C94699				12/23/07 12:04
Thorium 232	0.251	mg/L	0.0010	100	70	130	2.9	20	
Uranium	0.255	mg/L	0.00030	101	70	130	4.2	20	
Method: E200.8									Batch: C_R94802
Sample ID: LRB	Method Blank				Run: SUB-C94802				12/26/07 12:35
Mercury	ND	mg/L	8E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C94802				12/26/07 12:42
Mercury	0.00496	mg/L	0.0010	99	85	115			
Sample ID: R07120148-004E	Post Digestion Spike				Run: SUB-C94802				12/26/07 16:00
Mercury	0.00601	mg/L	0.0010	120	70	130			
Sample ID: R07120148-004E	Post Digestion Spike Duplicate				Run: SUB-C94802				12/26/07 16:07
Mercury	0.00550	mg/L	0.0010	110	70	130	8.8	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32699
Sample ID: LFB0712131606-3	Laboratory Fortified Blank				Run: DIONEX_071213A				12/13/07 17:49
Chloride	4.88	mg/L	0.50	98	90	110			
Fluoride	2.00	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.38	mg/L	0.10	95	90	110			
Sulfate	14.2	mg/L	1.0	95	90	110			
Sample ID: LFB0712131606-4	Laboratory Fortified Blank				Run: DIONEX_071213A				12/13/07 18:04
Chloride	4.91	mg/L	0.50	98	90	110			
Fluoride	2.03	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.49	mg/L	0.10	100	90	110			
Sulfate	14.7	mg/L	1.0	98	90	110			
Sample ID: R07120132-001BMS	Sample Matrix Spike				Run: DIONEX_071213A				12/13/07 18:35
Fluoride	2.34	mg/L	0.10	101	80	120			
Sample ID: R07120132-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071213A				12/13/07 18:50
Fluoride	2.28	mg/L	0.10	98	80	120	2.6	10	
Sample ID: R07120163-006AMS	Sample Matrix Spike				Run: DIONEX_071213A				12/14/07 01:46
Chloride	70.3	mg/L	0.50	75	80	120			S
Fluoride	10.3	mg/L	0.32	103	80	120			
Nitrogen, Nitrate as N	25.2	mg/L	0.10	93	80	120			
Sulfate	220	mg/L	3.6	76	80	120			S
Sample ID: R07120163-006AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071213A				12/14/07 02:02
Chloride	70.5	mg/L	0.50	76	80	120	0.2	10	S
Fluoride	10.3	mg/L	0.32	103	80	120	0.7	10	
Nitrogen, Nitrate as N	25.4	mg/L	0.10	94	80	120	0.7	10	
Sulfate	220	mg/L	3.6	75	80	120	0.1	10	S

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0372	
Sample ID: RB-GrAB-0372	Method Blank				Run: SUB-C95037			12/31/07 22:44	
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0372	Laboratory Control Sample				Run: SUB-C95037			12/31/07 22:44	
Gross Alpha	300	pCi/L	1.0	114	70	130			
Sample ID: Cs137-GrAB-0372	Laboratory Control Sample				Run: SUB-C95037			12/31/07 22:44	
Gross Beta	90	pCi/L	2.0	95	70	130			
Sample ID: C07120838-001AMS	Sample Matrix Spike				Run: SUB-C95037			12/31/07 22:44	
Gross Alpha	1200	pCi/L	1.0	90	70	130			
Sample ID: C07120838-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C95037			12/31/07 22:44	
Gross Alpha	1300	pCi/L	1.0	104	70	130	14	20	
Sample ID: C07120838-001AMS	Sample Matrix Spike				Run: SUB-C95037			12/31/07 22:44	
Gross Beta	470	pCi/L	2.0	93	70	130			
Sample ID: C07120838-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C95037			12/31/07 22:44	
Gross Beta	480	pCi/L	2.0	96	70	130	2.4	15.3	
Method: E901.1								Batch: C_R94634	
Sample ID: LCS-R94634	Laboratory Control Sample				Run: SUB-C94634			12/05/07 10:50	
Cesium 137	1180	pCi/L	20	84	70	130			
Potassium 40	7170	pCi/L	20	107	70	130			
Sample ID: MB-R94634	Method Blank				Run: SUB-C94634			12/05/07 10:50	
Gross Gamma	ND	pCi/L	20						
Sample ID: C07121021-009ADUP	Sample Duplicate				Run: SUB-C94634			12/05/07 10:50	
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_17292
Sample ID: R07120148-001K	Sample Duplicate				Run: SUB-C94954				12/31/07 11:00
Radium 226	ND	pCi/L	0.20		70	130	0.0	205.7	
Sample ID: R07120148-005K	Sample Matrix Spike				Run: SUB-C94954				12/31/07 12:18
Radium 226	60	pCi/L	0.20	97	70	130			
Sample ID: MB-17292	Method Blank				Run: SUB-C94954				12/31/07 12:18
Radium 226	ND	pCi/L	0.004						
Sample ID: LCS-17292	Laboratory Control Sample				Run: SUB-C94954				12/31/07 12:18
Radium 226	12	pCi/L	0.20	98	70	130			
Method: E903.0									Batch: C_RA226-2509
Sample ID: C07110702-001AMS	Sample Matrix Spike				Run: SUB-C94882				12/27/07 17:44
Radium 226	16	pCi/L	1.0	101	70	130			
Sample ID: C07110702-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C94882				12/27/07 18:44
Radium 226	15	pCi/L	1.0	97	70	130	2.5	27.1	
Sample ID: MB-RA226-2509	Method Blank				Run: SUB-C94882				12/28/07 07:49
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2509	Laboratory Control Sample				Run: SUB-C94882				12/28/07 09:50
Radium 226	12	pCi/L	0.20	98	70	130			
Method: E907.0									Batch: C_R95122
Sample ID: LCS-R95122	Laboratory Control Sample				Run: SUB-C95122				12/27/07 15:15
Thorium 230	5.30	pCi/L	0.20	108	70	130			
Sample ID: C07120686-002AMS	Sample Matrix Spike				Run: SUB-C95122				12/27/07 15:15
Thorium 230	15.2	pCi/L	0.20	93	70	130			
Sample ID: C07120686-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C95122				12/27/07 15:15
Thorium 230	15.1	pCi/L	0.20	93	70	130	0.7	30	
Sample ID: MB-R95122	Method Blank				Run: SUB-C95122				12/27/07 15:15
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R95271
Sample ID: C07120475-003AMS	Sample Matrix Spike				Run: SUB-C95271				12/27/07 14:30
Thorium 230	53.2	pCi/Filter	0.20	92	70	130			
Sample ID: C07120475-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C95271				12/27/07 14:30
Thorium 230	56.3	pCi/Filter	0.20	96	70	130	5.7	30	
Sample ID: LCS-17292	Laboratory Control Sample				Run: SUB-C95271				12/27/07 14:30
Thorium 230	6.10	pCi/Filter	0.20	103	70	130			
Sample ID: MB-17292	Method Blank				Run: SUB-C95271				12/27/07 14:30
Thorium 230	ND	pCi/Filter	0.2						
Method: E909.0M									Batch: C_17292
Sample ID: R07120148-004K	Sample Matrix Spike				Run: SUB-C94885				12/26/07 10:30
Lead 210	490	pCi/L	1.0	123	70	130			
Sample ID: MB-R94885	Method Blank				Run: SUB-C94885				12/26/07 10:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R94885	Laboratory Control Sample				Run: SUB-C94885				12/26/07 10:30
Lead 210	79	pCi/L	1.0	98	70	130			
Method: E909.0M									Batch: C_R94764
Sample ID: R07120148-002J	Sample Matrix Spike				Run: SUB-C94764				12/21/07 06:15
Lead 210	450	pCi/L	1.0	111	70	130			
Sample ID: R07120148-002J	Sample Matrix Spike Duplicate				Run: SUB-C94764				12/21/07 06:15
Lead 210	410	pCi/L	1.0	101	70	130	9.1	30	
Sample ID: MB-R94764	Method Blank				Run: SUB-C94764				12/21/07 06:15
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R94764	Laboratory Control Sample				Run: SUB-C94764				12/21/07 06:15
Lead 210	77	pCi/L	1.0	97	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07120148

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_17292
Sample ID: R07120148-003K	Sample Matrix Spike				Run: SUB-C95192				01/02/08 16:00
Polonium 210	150	pCi/L	1.0	69	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the RPD for the MS MSD pair is acceptable, the low response is considered to be matrix relate									
Sample ID: R07120148-003K	Sample Matrix Spike Duplicate				Run: SUB-C95192				01/02/08 16:00
Polonium 210	160	pCi/L	1.0	75	70	130	8.5	30	
Sample ID: LCS-17292	Laboratory Control Sample				Run: SUB-C95192				01/02/08 16:00
Polonium 210	14	pCi/L	1.0	64	70	130			S
- Response is below standard QA limit. This could indicate a low bias for the sample results.									
Sample ID: MB-17292	Method Blank				Run: SUB-C95192				01/02/08 16:00
Polonium 210	0.2	pCi/L	0.02						
Method: RMO-3008									Batch: C_R94877
Sample ID: C07120686-001AMS	Sample Matrix Spike				Run: SUB-C94877				12/20/07 12:30
Polonium 210	190	pCi/L	1.0	82	70	130			
Sample ID: C07120686-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C94877				12/20/07 12:30
Polonium 210	200	pCi/L	1.0	88	70	130	6.1	30	
Sample ID: LCS-R94877	Laboratory Control Sample				Run: SUB-C94877				12/20/07 12:30
Polonium 210	18	pCi/L	1.0	79	70	130			
Sample ID: MB-R94877	Method Blank				Run: SUB-C94877				12/20/07 12:30
Polonium 210	ND	pCi/L	1						

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: Power Tech DB	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address:	Contact Name: Phone/Fax:	Email:	Sampler: (Please Print) Eric Kantz
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

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

ANALYSIS REQUESTED: As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: SW

Shipped by:

Cooler ID(s):

Receipt Temp: 5.2 °C

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Comments	LABORATORY USE ONLY
1	Dew Burd BVC4	12/11/07	10:00	W	set 4	R0712014 8-001
2	~~Dew Burd CHR01~~	~~12/11/07~~	~~12:05~~	~~W~~		~~002~~
3	Dew Burd BVC01	12/11/07	12:20	W	set 6	~~003~~ 002
4	Dew Burd BVC01	12/11/07	12:25	W	set 3	~~004~~ 003
5	Dew Burd CHR05	12/11/07	13:50	W	set 2	~~005~~ 004
6	Dew Burd BLK01	12/12/07	08:30	W	set 5	~~006~~ 005
7						
8						
9						
10						

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Kantz	12/12/07 09:10	[signature]	Steve Troiland	12-12-07 9:10	[signature]
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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

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ANALYTICAL SUMMARY REPORT

February 29, 2008

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

Workorder No.: R08010124 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 3 samples from RESPEC Inc on 1/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08010124-001	DewBurdCHR05	01/11/08 8:30	01/11/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08010124-002	DewBurdBVC01	01/11/08 11:15	01/11/08	Aqueous	Same As Above
R08010124-003	DewBurdBVC04	01/11/08 13:00	01/11/08	Aqueous	Same As Above

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

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

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

Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-001
Client Sample ID: DewBurdCHR05

Report Date: 02/29/08
Collection Date: 01/11/08 08:30
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	2	CFU/100ml	D	2		2	A9222 D	01/11/08 18:15/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	234	mg/L		5		1	A2320 B	01/21/08 16:02/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	01/21/08 16:02/sn
Bicarbonate as HCO3	285	mg/L		5		1	A2320 B	01/21/08 16:02/sn
Calcium	525	mg/L	D	1		10	E200.7	01/24/08 15:21/eli-c
Chloride	258	mg/L	D	2		50	E300.0	01/12/08 21:50/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	01/12/08 22:36/jmh
Magnesium	136	mg/L		0.5		1	E200.7	01/24/08 16:19/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	01/14/08 16:10/sn
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	01/12/08 22:36/jmh
Potassium	7	mg/L		1		1	E200.7	01/24/08 16:19/eli-c
Silica	14.1	mg/L		0.5		1	E200.7	01/24/08 16:19/eli-c
Sodium	245	mg/L	D	8		10	E200.7	01/24/08 15:21/eli-c
Sulfate	1610	mg/L	D	40		50	E300.0	01/12/08 21:50/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3510	umhos/cm		5.0		1	A2510 B	01/17/08 16:55/jmh
pH	7.82	s.u.		0.01		1	A4500-H B	01/17/08 17:05/jmh
Sodium Adsorption Ratio (SAR)	2.5	unitless		0.10		1	Calculation	02/05/08 13:40/sec
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	01/17/08 14:45/jmh
Solids, Total Dissolved TDS @ 180 C	3200	mg/L		5		1	A2540 C	01/16/08 10:02/sn
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	01/16/08 10:49/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	01/20/08 23:07/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	01/17/08 18:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/17/08 18:08/eli-c
Boron	0.3	mg/L		0.1		1	E200.7	01/24/08 16:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/17/08 18:08/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	01/20/08 23:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/17/08 18:08/eli-c
Iron	ND	mg/L		0.03		1	E200.7	01/24/08 16:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/17/08 18:08/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	01/20/08 23:07/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	01/17/08 18:08/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/17/08 18:08/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-001
Client Sample ID: DewBurdCHR05

Report Date: 02/29/08
Collection Date: 01/11/08 08:30
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	01/17/08 18:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/17/08 18:08/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/17/08 18:08/eli-c
Uranium	0.0150	mg/L		0.0003		1	E200.8	01/17/08 18:08/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	01/17/08 18:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/17/08 18:08/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	01/20/08 21:33/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	01/20/08 21:33/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	01/20/08 16:47/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	01/20/08 16:47/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/20/08 16:47/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	01/24/08 16:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/20/08 16:47/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/20/08 16:47/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	01/12/08 10:44/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	02/05/08 13:49/sec
Copper	ND	mg/L		0.01		1	E200.8	01/20/08 16:47/eli-c
Iron	0.06	mg/L		0.03		1	E200.7	01/24/08 16:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/20/08 16:47/eli-c
Manganese	0.13	mg/L		0.01		1	E200.8	01/20/08 16:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	01/20/08 16:47/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/20/08 16:47/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/20/08 16:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/20/08 16:47/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/20/08 16:47/eli-c
Uranium	0.0158	mg/L		0.0003		1	E200.8	01/20/08 16:47/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	01/20/08 16:47/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/20/08 16:47/eli-c
Calcium	515	mg/L	D	0.8		10	E200.7	01/24/08 16:08/eli-c
Magnesium	132	mg/L		0.5		1	E200.7	01/24/08 16:29/eli-c
Potassium	6.2	mg/L		0.5		1	E200.7	01/24/08 16:29/eli-c
Silica	13.5	mg/L		0.1		1	E200.7	01/24/08 16:29/eli-c
Sodium	248	mg/L		0.5		1	E200.7	01/24/08 16:29/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-001
Client Sample ID: DewBurdCHR05

Report Date: 02/29/08
Collection Date: 01/11/08 08:30
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	0.003	mg/L		0.001		1	A3114 B	01/17/08 12:33/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/17/08 09:49/eli-ca
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	01/17/08 13:11/eli-ca
METALS - TOTAL - SPECIATED								
Selenium	0.003	mg/L		0.001		1	A3114 B	01/21/08 13:50/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/21/08 11:13/eli-ca
Selenium-VI	0.003	mg/L		0.001		1	A3114 B	01/21/08 14:21/eli-ca
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	01/17/08 11:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	01/21/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	01/29/08 16:57/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/17/08 16:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	22	pCi/L		1.0		1	E909.0M	01/21/08 11:30/eli-c
Lead 210 precision (±)	3.6	pCi/L				1	E909.0M	01/21/08 11:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	01/21/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	01/28/08 11:26/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/21/08 14:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	19.3	pCi/L		1.0		1	E900.0	01/23/08 09:33/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	01/23/08 09:33/eli-c
Gross Beta	10.8	pCi/L		2.0		1	E900.0	01/23/08 09:33/eli-c
Gross Beta precision (±)	6.9	pCi/L				1	E900.0	01/23/08 09:33/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	01/17/08 16:36/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	22	pCi/L		1.0		1	E909.0M	02/05/08 17:18/sec
Lead 210 precision (±)	3.6	pCi/L				1	E909.0M	02/05/08 17:18/sec
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/05/08 17:18/sec
Radium 226	ND	pCi/L		0.2		1	E903.0	02/05/08 17:18/sec
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/05/08 17:18/sec
DATA QUALITY								
A/C Balance (± 5)	2.85	%				1	A1030 E	02/05/08 13:41/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-001
Client Sample ID: DewBurdCHR05

Report Date: 02/29/08
Collection Date: 01/11/08 08:30
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Anions	45.6	meq/L				1	A1030 E	02/05/08 13:41/sec
Cations	48.2	meq/L				1	A1030 E	02/05/08 13:41/sec
Solids, Total Dissolved Calculated	2920	mg/L				1	A1030 E	02/05/08 13:41/sec
TDS Balance (0.80 - 1.20)	1.10	dec. %				1	A1030 E	02/05/08 13:41/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-002
Client Sample ID: DewBurdBVC01

Report Date: 02/29/08
Collection Date: 01/11/08 11:15
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	16	CFU/100ml	D	2		2	A9222 D	01/11/08 18:15/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	214	mg/L		5		1	A2320 B	01/21/08 16:03/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	01/21/08 16:03/sn
Bicarbonate as HCO3	261	mg/L		5		1	A2320 B	01/21/08 16:03/sn
Calcium	499	mg/L	D	1		10	E200.7	01/24/08 15:25/eli-c
Chloride	208	mg/L	D	2		50	E300.0	01/12/08 22:52/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	01/12/08 23:07/jmh
Magnesium	114	mg/L		0.5		1	E200.7	01/24/08 16:23/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	01/14/08 16:11/sn
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	01/12/08 23:07/jmh
Potassium	5	mg/L		1		1	E200.7	01/24/08 16:23/eli-c
Silica	13.0	mg/L		0.5		1	E200.7	01/24/08 16:23/eli-c
Sodium	182	mg/L	D	8		10	E200.7	01/24/08 15:25/eli-c
Sulfate	1470	mg/L	D	40		50	E300.0	01/12/08 22:52/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3140	umhos/cm		5.0		1	A2510 B	01/17/08 16:55/jmh
pH	7.68	s.u.		0.01		1	A4500-H B	01/17/08 17:06/jmh
Sodium Adsorption Ratio (SAR)	1.9	unitless		0.10		1	Calculation	02/05/08 13:40/sec
Solids, Suspended Sediment SSC @ 105 C	12	mg/L		5		1	D3977	01/17/08 14:46/jmh
Solids, Total Dissolved TDS @ 180 C	2900	mg/L		5		1	A2540 C	01/16/08 10:05/sn
Solids, Total Suspended TSS @ 105 C	12	mg/L		5		1	A2540 D	01/16/08 10:50/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	01/20/08 23:14/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	01/17/08 18:15/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/17/08 18:15/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	01/24/08 16:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/17/08 18:15/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	01/20/08 23:14/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/17/08 18:15/eli-c
Iron	ND	mg/L		0.03		1	E200.7	01/24/08 16:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/17/08 18:15/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	01/20/08 23:14/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	01/17/08 18:15/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/17/08 18:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-002
Client Sample ID: DewBurdBVC01

Report Date: 02/29/08
Collection Date: 01/11/08 11:15
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	01/17/08 18:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/17/08 18:15/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/17/08 18:15/eli-c
Uranium	0.0134	mg/L		0.0003		1	E200.8	01/17/08 18:15/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	01/17/08 18:15/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/17/08 18:15/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	01/20/08 21:39/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	01/20/08 21:39/eli-c
METALS - TOTAL								
Aluminum	0.3	mg/L		0.1		1	E200.8	01/20/08 16:54/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	01/20/08 16:54/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/20/08 16:54/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	01/24/08 16:32/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/20/08 16:54/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/20/08 16:54/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	01/12/08 10:44/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	02/05/08 13:49/sec
Copper	ND	mg/L		0.01		1	E200.8	01/20/08 16:54/eli-c
Iron	0.29	mg/L		0.03		1	E200.7	01/24/08 16:32/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/20/08 16:54/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	01/20/08 16:54/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	01/20/08 16:54/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/20/08 16:54/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/20/08 16:54/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/20/08 16:54/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/20/08 16:54/eli-c
Uranium	0.0139	mg/L		0.0003		1	E200.8	01/20/08 16:54/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	01/20/08 16:54/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/20/08 16:54/eli-c
Calcium	506	mg/L	D	0.8		10	E200.7	01/24/08 16:13/eli-c
Magnesium	121	mg/L		0.5		1	E200.7	01/24/08 16:32/eli-c
Potassium	5.3	mg/L		0.5		1	E200.7	01/24/08 16:32/eli-c
Silica	14.6	mg/L		0.1		1	E200.7	01/24/08 16:32/eli-c
Sodium	191	mg/L		0.5		1	E200.7	01/24/08 16:32/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-002
Client Sample ID: DewBurdBVC01

Report Date: 02/29/08
Collection Date: 01/11/08 11:15
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	0.003	mg/L		0.001		1	A3114 B	01/17/08 12:35/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/17/08 09:51/eli-ca
Selenium-VI	0.003	mg/L		0.001		1	A3114 B	01/17/08 13:11/eli-ca
METALS - TOTAL - SPECIATED								
Selenium	0.003	mg/L		0.001		1	A3114 B	01/21/08 13:52/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/21/08 11:15/eli-ca
Selenium-VI	0.003	mg/L		0.001		1	A3114 B	01/21/08 14:21/eli-ca
RADIONUCLIDES - DISSOLVED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	01/17/08 11:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	01/21/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	01/29/08 16:57/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/17/08 16:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	01/21/08 11:30/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	01/21/08 14:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	01/21/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	01/28/08 11:26/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/21/08 14:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	12.6	pCi/L		1.0		1	E900.0	01/23/08 09:33/eli-c
Gross Alpha precision (±)	1.9	pCi/L				1	E900.0	01/23/08 09:33/eli-c
Gross Beta	4.1	pCi/L		2.0		1	E900.0	01/23/08 09:33/eli-c
Gross Beta precision (±)	4.6	pCi/L				1	E900.0	01/23/08 09:33/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	01/17/08 16:36/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/05/08 17:18/sec
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	02/05/08 17:18/sec
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	02/05/08 17:18/sec
Radium 226	ND	pCi/L		0.2		1	E903.0	02/05/08 17:18/sec
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/05/08 17:18/sec
DATA QUALITY								
A/C Balance (± 5)	1.85	%				1	A1030 E	02/05/08 13:42/sec

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-002
Client Sample ID: DewBurdBVC01

Report Date: 02/29/08
Collection Date: 01/11/08 11:15
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Anions	40.8	meq/L				1	A1030 E	02/05/08 13:42/sec
Cations	42.3	meq/L				1	A1030 E	02/05/08 13:42/sec
Solids, Total Dissolved Calculated	2610	mg/L				1	A1030 E	02/05/08 13:42/sec
TDS Balance (0.80 - 1.20)	1.09	dec. %				1	A1030 E	02/05/08 13:42/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-003
Client Sample ID: DewBurdBVC04

Report Date: 02/29/08
Collection Date: 01/11/08 13:00
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	4	CFU/100ml	D	2		2	A9222 D	01/11/08 18:15/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	220	mg/L		5		1	A2320 B	01/21/08 16:06/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	01/21/08 16:06/sn
Bicarbonate as HCO3	268	mg/L		5		1	A2320 B	01/21/08 16:06/sn
Calcium	463	mg/L	D	1		10	E200.7	01/24/08 15:28/eli-c
Chloride	255	mg/L	D	2		50	E300.0	01/12/08 23:23/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	01/12/08 23:38/jmh
Magnesium	124	mg/L		0.5		1	E200.7	01/24/08 16:26/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	01/14/08 16:12/sn
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	01/12/08 23:38/jmh
Potassium	5	mg/L		1		1	E200.7	01/24/08 16:26/eli-c
Silica	14.1	mg/L		0.5		1	E200.7	01/24/08 16:26/eli-c
Sodium	224	mg/L	D	8		10	E200.7	01/24/08 15:28/eli-c
Sulfate	1450	mg/L	D	40		50	E300.0	01/12/08 23:23/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3310	umhos/cm		5.0		1	A2510 B	01/17/08 16:56/jmh
pH	7.80	s.u.		0.01		1	A4500-H B	01/17/08 17:06/jmh
Sodium Adsorption Ratio (SAR)	2.4	unitless		0.10		1	Calculation	02/05/08 13:40/sec
Solids, Suspended Sediment SSC @ 105 C	24	mg/L		5		1	D3977	01/17/08 14:46/jmh
Solids, Total Dissolved TDS @ 180 C	3000	mg/L		5		1	A2540 C	01/16/08 10:06/sn
Solids, Total Suspended TSS @ 105 C	25	mg/L		5		1	A2540 D	01/16/08 10:51/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	01/20/08 23:21/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	01/17/08 18:21/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/17/08 18:21/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	01/24/08 16:26/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/17/08 18:21/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	01/20/08 23:21/eli-c
Copper	ND	mg/L		0.01		1	E200.8	01/17/08 18:21/eli-c
Iron	ND	mg/L		0.03		1	E200.7	01/24/08 16:26/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/17/08 18:21/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	01/20/08 23:21/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	01/17/08 18:21/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/17/08 18:21/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-003
Client Sample ID: DewBurdBVC04

Report Date: 02/29/08
Collection Date: 01/11/08 13:00
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	01/17/08 18:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/17/08 18:21/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/17/08 18:21/eli-c
Uranium	0.0141	mg/L		0.0003		1	E200.8	01/17/08 18:21/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	01/17/08 18:21/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/17/08 18:21/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	01/20/08 21:46/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	01/20/08 21:46/eli-c
METALS - TOTAL								
Aluminum	0.6	mg/L		0.1		1	E200.8	01/20/08 17:01/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	01/20/08 17:01/eli-c
Barium	ND	mg/L		0.1		1	E200.8	01/20/08 17:01/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	01/24/08 16:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	01/20/08 17:01/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	01/20/08 17:01/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	01/12/08 10:45/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	02/05/08 13:49/sec
Copper	ND	mg/L		0.01		1	E200.8	01/20/08 17:01/eli-c
Iron	0.68	mg/L		0.03		1	E200.7	01/24/08 16:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	01/20/08 17:01/eli-c
Manganese	0.12	mg/L		0.01		1	E200.8	01/20/08 17:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	01/20/08 17:01/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	01/20/08 17:01/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	01/20/08 17:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	01/20/08 17:01/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	01/20/08 17:01/eli-c
Uranium	0.0144	mg/L		0.0003		1	E200.8	01/20/08 17:01/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	01/20/08 17:01/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	01/20/08 17:01/eli-c
Calcium	508	mg/L	D	0.8		10	E200.7	01/24/08 16:16/eli-c
Magnesium	125	mg/L		0.5		1	E200.7	01/24/08 16:55/eli-c
Potassium	5.4	mg/L		0.5		1	E200.7	01/24/08 16:55/eli-c
Silica	16.6	mg/L		0.1		1	E200.7	01/24/08 16:55/eli-c
Sodium	259	mg/L		0.5		1	E200.7	01/24/08 16:55/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-003
Client Sample ID: DewBurdBVC04

Report Date: 02/29/08
Collection Date: 01/11/08 13:00
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	0.003	mg/L		0.001		1	A3114 B	01/17/08 12:37/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/17/08 09:53/eli-ca
Selenium-VI	0.003	mg/L		0.001		1	A3114 B	01/17/08 13:11/eli-ca
METALS - TOTAL - SPECIATED								
Selenium	0.003	mg/L		0.001		1	A3114 B	01/21/08 13:54/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	01/21/08 11:17/eli-ca
Selenium-VI	0.003	mg/L		0.001		1	A3114 B	01/21/08 14:21/eli-ca
RADIONUCLIDES - DISSOLVED								
Lead 210	2.2	pCi/L		1.0		1	E909.0M	01/17/08 11:45/eli-c
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	01/17/08 11:45/eli-c
Polonium 210	1.8	pCi/L		1.0		1	RMO-3008	01/21/08 14:00/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	01/21/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	01/29/08 16:57/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/17/08 16:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	01/21/08 11:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	01/21/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	01/28/08 12:51/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	01/21/08 14:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	13.9	pCi/L		1.0		1	E900.0	01/23/08 09:33/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	01/23/08 09:33/eli-c
Gross Beta	7.2	pCi/L		2.0		1	E900.0	01/23/08 09:33/eli-c
Gross Beta precision (±)	6.9	pCi/L				1	E900.0	01/23/08 09:33/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	01/17/08 16:36/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	2.2	pCi/L		1.0		1	E909.0M	02/05/08 17:18/sec
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	02/05/08 17:18/sec
Polonium 210	1.8	pCi/L		1.0		1	RMO-3008	02/05/08 17:18/sec
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	02/05/08 17:18/sec
Radium 226	ND	pCi/L		0.2		1	E903.0	02/05/08 17:18/sec
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/05/08 17:18/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010124-003
Client Sample ID: DewBurdBVC04

Report Date: 02/29/08
Collection Date: 01/11/08 13:00
Date Received: 01/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	1.72	%				1	A1030 E	02/05/08 13:42/sec
Anions	41.7	meq/L				1	A1030 E	02/05/08 13:42/sec
Cations	43.2	meq/L				1	A1030 E	02/05/08 13:42/sec
Solids, Total Dissolved Calculated	2650	mg/L				1	A1030 E	02/05/08 13:42/sec
TDS Balance (0.80 - 1.20)	1.12	dec. %				1	A1030 E	02/05/08 13:42/sec

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080121A-ALK-SEL-W	
Sample ID: MBLK1_080121A	Method Blank				Run: PH_COND1-R_080121A			01/21/08 15:58	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_080121A	Laboratory Control Sample				Run: PH_COND1-R_080121A			01/21/08 16:00	
Alkalinity, Total as CaCO3	1000	mg/L	5.0	100	90	110			
Sample ID: R08010143-007AMS	Sample Matrix Spike				Run: PH_COND1-R_080121A			01/21/08 16:33	
Alkalinity, Total as CaCO3	280	mg/L	5.0	89	80	120			
Sample ID: R08010143-007AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080121A			01/21/08 16:44	
Alkalinity, Total as CaCO3	284	mg/L	5.0	92	80	120	1.4	10	
Method: A2510 B								Batch: 080117_1_COND-PROBE-W	
Sample ID: LCS1-1_080117	Laboratory Control Sample				Run: PH_COND2-R_080117A			01/17/08 16:48	
Conductivity @ 25 C	145	umhos/cm	5.0	97	90	110			
Sample ID: LCS2-1_080117	Laboratory Control Sample				Run: PH_COND2-R_080117A			01/17/08 16:49	
Conductivity @ 25 C	4850	umhos/cm	5.0	97	90	110			
Sample ID: LCS_COND-1_080117	Laboratory Control Sample				Run: PH_COND2-R_080117A			01/17/08 16:50	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080117	Method Blank				Run: PH_COND2-R_080117A			01/17/08 16:51	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08010118-001ADUP	Sample Duplicate				Run: PH_COND2-R_080117A			01/17/08 16:54	
Conductivity @ 25 C	3890	umhos/cm	5.0				0.8	10	
Method: A2540 C								Batch: 080116A-SLDS-TDS-W	
Sample ID: MBLK1_080116A	Method Blank				Run: BAL-4-R_080116B			01/16/08 09:52	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080116A	Laboratory Control Sample				Run: BAL-4-R_080116B			01/16/08 09:53	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	109	90	110			
Sample ID: R08010124-001CMS	Sample Matrix Spike				Run: BAL-4-R_080116B			01/16/08 10:03	
Solids, Total Dissolved TDS @ 180 C	3400	mg/L	5.0	102	80	120			
Sample ID: R08010124-001CMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080116B			01/16/08 10:04	
Solids, Total Dissolved TDS @ 180 C	3400	mg/L	5.0	95	80	120	0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080116A-SLDS-TSS-W	
Sample ID: MBLK1_080116A	Method Blank				Run: BAL-4-R_080116A			01/16/08 10:41	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_080116A	Laboratory Control Sample				Run: BAL-4-R_080116A			01/16/08 10:42	
Solids, Total Suspended TSS @ 105 C	200	mg/L	5.0	98	85	115			
Method: A3114 B								Batch: C_R95691	
Sample ID: R08010124-001A	Sample Matrix Spike				Run: SUB-C95691			01/17/08 13:11	
Selenium-VI	0.0026	mg/L	0.0010	1	85	115			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: R08010124-001A	Sample Matrix Spike Duplicate				Run: SUB-C95691			01/17/08 13:11	
Selenium-VI	0.0022	mg/L	0.0010	1	85	115	0.0	10	S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Method: A3114 B								Batch: C_R95840	
Sample ID: R08010124-001H	Sample Matrix Spike				Run: SUB-C95840			01/21/08 14:21	
Selenium-VI	0.050	mg/L	0.0010	94	85	115			
Sample ID: R08010124-001H	Sample Matrix Spike Duplicate				Run: SUB-C95840			01/21/08 14:21	
Selenium-VI	0.052	mg/L	0.0010	98	85	115	4.0	10	
Method: A3114 B								Batch: C_SE3114-080117	
Sample ID: MBLK	Method Blank				Run: SUB-C95688			01/17/08 12:18	
Selenium	ND	mg/L	0.0003						
Sample ID: 288-20-3	Laboratory Control Sample				Run: SUB-C95688			01/17/08 12:25	
Selenium	0.054	mg/L	0.0010	107	90	110			
Sample ID: R08010124-001A	Sample Matrix Spike				Run: SUB-C95688			01/17/08 12:44	
Selenium	0.048	mg/L	0.0010	90	85	115			
Sample ID: R08010124-001A	Sample Matrix Spike Duplicate				Run: SUB-C95688			01/17/08 12:46	
Selenium	0.048	mg/L	0.0010	92	85	115	1.3	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-080121	
Sample ID: MBLK	Method Blank				Run: SUB-C95838			01/21/08 13:46	
Selenium	0.0007	mg/L	0.0004						
Sample ID: 288-20-3	Laboratory Control Sample				Run: SUB-C95838			01/21/08 13:48	
Selenium	0.050	mg/L	0.0010	98	90	110			
Sample ID: R08010124-001H	Sample Matrix Spike				Run: SUB-C95838			01/21/08 13:56	
Selenium	0.050	mg/L	0.0010	94	85	115			
Sample ID: R08010124-001H	Sample Matrix Spike Duplicate				Run: SUB-C95838			01/21/08 13:58	
Selenium	0.052	mg/L	0.0010	98	85	115	4.0	10	
Method: A3114 B								Batch: C_SE3114-IV-080117	
Sample ID: MBLK	Method Blank				Run: SUB-C95667			01/17/08 09:44	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: 288-20-3	Laboratory Control Sample				Run: SUB-C95667			01/17/08 09:46	
Selenium-IV	0.048	mg/L	0.0010	96	90	110			
Sample ID: R08010124-001A	Sample Matrix Spike				Run: SUB-C95667			01/17/08 09:55	
Selenium-IV	0.045	mg/L	0.0010	89	85	115			
Sample ID: R08010124-001A	Sample Matrix Spike Duplicate				Run: SUB-C95667			01/17/08 09:57	
Selenium-IV	0.046	mg/L	0.0010	91	85	115	2.3	10	
Method: A3114 B								Batch: C_SEIV3114-080121	
Sample ID: MBLK	Method Blank				Run: SUB-C95828			01/21/08 11:08	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: 288-20-3	Laboratory Control Sample				Run: SUB-C95828			01/21/08 11:11	
Selenium-IV	0.050	mg/L	0.0010	99	90	110			
Sample ID: R08010124-001H	Sample Matrix Spike				Run: SUB-C95828			01/21/08 11:21	
Selenium-IV	0.047	mg/L	0.0010	94	85	115			
Sample ID: R08010124-001H	Sample Matrix Spike Duplicate				Run: SUB-C95828			01/21/08 11:23	
Selenium-IV	0.048	mg/L	0.0010	96	85	115	2.0	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B								Batch: 080112A-CR-HEX-W	
Sample ID: MBLK1_080112A	Method Blank				Run: SPEC1_080112A			01/12/08 10:42	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS1_080112A	Laboratory Control Sample				Run: SPEC1_080112A			01/12/08 10:42	
Chromium, Hexavalent	0.19	mg/L	0.0050	96	80	120			
Sample ID: R08010124-001Ems	Sample Matrix Spike				Run: SPEC1_080112A			01/12/08 10:44	
Chromium, Hexavalent	0.20	mg/L	0.0050	101	80	120			
Sample ID: R08010124-002Ems	Sample Matrix Spike				Run: SPEC1_080112A			01/12/08 10:45	
Chromium, Hexavalent	0.20	mg/L	0.0050	100	80	120			
Sample ID: R08010124-003Ems	Sample Matrix Spike				Run: SPEC1_080112A			01/12/08 10:45	
Chromium, Hexavalent	0.21	mg/L	0.0050	103	80	120			
Method: A4500-H B								Batch: 080117_1_PH-W	
Sample ID: LCS_pH-1_080117	Laboratory Control Sample				Run: PH_COND2-R_080117A			01/17/08 17:03	
pH	6.91	s.u.	0.010	101	98.55	101.45			
Sample ID: R08010118-001ADUP	Sample Duplicate				Run: PH_COND2-R_080117A			01/17/08 17:04	
pH	6.30	s.u.	0.010				0.3	1.25	
Method: A4500-NH3 G								Batch: A2008-01-14_2_NH3_01	
Sample ID: MBLK-1	Method Blank				Run: TECHAA2-R_080114A			01/14/08 14:58	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080114A			01/14/08 15:01	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	108	90	110			
Sample ID: LFB-5	Laboratory Fortified Blank				Run: TECHAA2-R_080114A			01/14/08 15:02	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	90	110			
Sample ID: R08010103-002CMS	Sample Matrix Spike				Run: TECHAA2-R_080114A			01/14/08 16:02	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	99	80	120			
Method: A9222 D								Batch: 080111-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080111A			01/11/08 18:15	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_17535
Sample ID: MB-17535	Method Blank				Run: SUB-C96073				01/24/08 14:12
Boron	ND	mg/L	0.01						
Iron	0.01	mg/L	0.009						
Sample ID: LCS-17535	Laboratory Control Sample				Run: SUB-C96073				01/24/08 14:16
Boron	0.494	mg/L	0.10	99	85	115			
Iron	0.518	mg/L	0.030	101	85	115			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R96073	
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C96073			01/24/08 13:11	
Silica	1.9	mg/L	0.10	94	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	2.0	mg/L	0.030	98	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C96073			01/24/08 13:15	
Calcium	29	mg/L	0.50	115	85	125			
Magnesium	27	mg/L	0.50	109	85	125			
Potassium	28	mg/L	0.50	112	85	125			
Sodium	26	mg/L	0.76	106	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: SUB-C96073			01/24/08 13:21	
Silica	ND	mg/L	0.10		0	0			
Boron	0.012	mg/L	0.10		0	0			
Calcium	ND	mg/L	0.50		0	0			
Iron	ND	mg/L	0.030		0	0			
Magnesium	ND	mg/L	0.50		0	0			
Potassium	ND	mg/L	0.50		0	0			
Sodium	ND	mg/L	0.76		0	0			
Sample ID: C08010646-001BMS	Sample Matrix Spike				Run: SUB-C96073			01/24/08 15:35	
Boron	11.4	mg/L	0.10	101	70	130			
Iron	9.71	mg/L	0.046	97	70	130			
Calcium	759	mg/L	1.0	90	70	130			
Magnesium	510	mg/L	0.50	93	70	130			
Potassium	1240	mg/L	0.50	98	70	130			
Silica	52.7	mg/L	0.20		0	0			A
Sodium	1340	mg/L	7.6	83	70	130			
Sample ID: C08010646-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C96073			01/24/08 15:38	
Boron	11.4	mg/L	0.10	100	70	130	0.4	20	
Iron	9.62	mg/L	0.046	96	70	130	0.9	20	
Calcium	753	mg/L	1.0	89	70	130	0.8	20	
Magnesium	504	mg/L	0.50	92	70	130	1.2	20	
Potassium	1220	mg/L	0.50	97	70	130	1.5	20	
Silica	52.6	mg/L	0.20		70	130	0.2	20	A
Sodium	1330	mg/L	7.6	81	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17535
Sample ID: MB-17535	Method Blank				Run: SUB-C95861				01/20/08 15:06
Aluminum	0.002	mg/L	0.0002						
Arsenic	ND	mg/L	5E-05						
Barium	0.0002	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	7E-05	mg/L	5E-05						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	3E-05						
Mercury	0.0001	mg/L	6E-06						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	6E-05						
Silver	0.002	mg/L	4E-05						
Uranium	6E-05	mg/L	3E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	0.002	mg/L							
Sample ID: LCS1-17535	Laboratory Control Sample				Run: SUB-C95861				01/20/08 15:12
Aluminum	0.0211	mg/L	0.10	97	80	120			
Arsenic	0.0203	mg/L	0.0010	101	80	120			
Barium	0.0222	mg/L	0.10	110	80	120			
Cadmium	0.0214	mg/L	0.010	107	80	120			
Chromium	0.0206	mg/L	0.050	103	80	120			
Copper	0.0208	mg/L	0.010	104	80	120			
Lead	0.0210	mg/L	0.050	105	80	120			
Manganese	0.0206	mg/L	0.010	103	80	120			
Mercury	0.000763	mg/L	0.0010	6	80	120			S
Molybdenum	0.0214	mg/L	0.10	107	80	120			
Nickel	0.0211	mg/L	0.050	105	80	120			
Silver	0.0208	mg/L	0.010	95	80	120			
Uranium	0.0212	mg/L	0.00030	106	80	120			
Vanadium	0.0206	mg/L	0.10	103	80	120			
Zinc	0.0222	mg/L	0.010	102	80	120			
Sample ID: LCS-17535	Laboratory Control Sample				Run: SUB-C95861				01/20/08 15:19
Aluminum	0.514	mg/L	0.10	102	85	115			
Arsenic	0.549	mg/L	0.0010	110	85	115			
Barium	0.553	mg/L	0.10	111	85	115			
Cadmium	0.537	mg/L	0.010	107	85	115			
Chromium	0.536	mg/L	0.050	107	85	115			
Copper	0.525	mg/L	0.010	105	85	115			
Lead	0.538	mg/L	0.050	108	85	115			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17535
Sample ID: LCS-17535	Laboratory Control Sample				Run: SUB-C95861				01/20/08 15:19
Manganese	0.527	mg/L	0.010	105	85	115			
Molybdenum	0.540	mg/L	0.10	108	85	115			
Nickel	0.533	mg/L	0.050	107	85	115			
Silver	0.246	mg/L	0.010	122	85	115			S
Uranium	0.551	mg/L	0.00032	110	85	115			
Vanadium	0.536	mg/L	0.10	107	85	115			
Zinc	0.536	mg/L	0.010	107	85	115			
Sample ID: R08010124-003B	Post Digestion Spike				Run: SUB-C95861				01/20/08 17:08
Aluminum	0.662	mg/L	0.10		70	130			A
Arsenic	0.0730	mg/L	0.0010	103	70	130			
Barium	0.101	mg/L	0.10	101	70	130			
Cadmium	0.0657	mg/L	0.010	94	70	130			
Chromium	0.0705	mg/L	0.050	99	70	130			
Copper	0.0689	mg/L	0.010	94	70	130			
Lead	0.0723	mg/L	0.050	103	70	130			
Manganese	0.181	mg/L	0.010	94	70	130			
Mercury	0.00619	mg/L	0.0010	88	70	130			
Molybdenum	0.0963	mg/L	0.10	106	70	130			
Nickel	0.0741	mg/L	0.050	99	70	130			
Silver	0.0273	mg/L	0.010	68	70	130			S
Uranium	0.0868	mg/L	0.00030	103	70	130			
Vanadium	0.0739	mg/L	0.10	103	70	130			
Zinc	0.0696	mg/L	0.010	92	70	130			
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: R08010124-003B	Post Digestion Spike Duplicate				Run: SUB-C95861				01/20/08 17:14
Aluminum	0.645	mg/L	0.10		70	130	2.7	20	A
Arsenic	0.0740	mg/L	0.0010	104	70	130	1.3	20	
Barium	0.105	mg/L	0.10	106	70	130	3.8	20	
Cadmium	0.0668	mg/L	0.010	95	70	130	1.7	20	
Chromium	0.0710	mg/L	0.050	100	70	130	0.7	20	
Copper	0.0694	mg/L	0.010	95	70	130	0.7	20	
Lead	0.0741	mg/L	0.050	105	70	130	2.4	20	
Manganese	0.182	mg/L	0.010	95	70	130	0.6	20	
Mercury	0.00644	mg/L	0.0010	92	70	130	3.9	20	
Molybdenum	0.0963	mg/L	0.10	106	70	130	0.0	20	
Nickel	0.0743	mg/L	0.050	99	70	130	0.3	20	
Silver	0.0304	mg/L	0.010	76	70	130	11	20	
Uranium	0.0913	mg/L	0.00030	110	70	130	5.1	20	
Vanadium	0.0745	mg/L	0.10	104	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17535
Sample ID: R08010124-003B	Post Digestion Spike Duplicate				Run: SUB-C95861				01/20/08 17:14
Zinc	0.0695	mg/L	0.010	92	70	130	0.1	20	
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Method: E200.8									Batch: C_17550
Sample ID: MB-17550	Method Blank				Run: SUB-C95861				01/20/08 21:12
Thorium 232	2E-05	mg/L							
Uranium	ND	mg/L							
Sample ID: LCS1-17550	Laboratory Control Sample				Run: SUB-C95861				01/20/08 21:19
Uranium	0.0550	mg/L	0.00030	105	80	120			
Sample ID: R08010124-003K	Post Digestion Spike				Run: SUB-C95861				01/20/08 21:53
Thorium 232	0.0522	mg/L	0.0010	104	70	130			
Uranium	0.0518	mg/L	0.00030	103	70	130			
Sample ID: R08010124-003K	Post Digestion Spike Duplicate				Run: SUB-C95861				01/20/08 21:59
Thorium 232	0.0534	mg/L	0.0010	106	70	130	2.3	20	
Uranium	0.0527	mg/L	0.00030	105	70	130	1.7	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R95693
Sample ID: LRB	Method Blank				Run: SUB-C95693				01/17/08 11:55
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	0.002	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C95693				01/17/08 12:02
Arsenic	0.0527	mg/L	0.0010	105	85	115			
Barium	0.0527	mg/L	0.0010	105	85	115			
Cadmium	0.0545	mg/L	0.0010	109	85	115			
Copper	0.0530	mg/L	0.0010	106	85	115			
Lead	0.0530	mg/L	0.0010	106	85	115			
Mercury	0.00540	mg/L	0.0010	108	85	115			
Molybdenum	0.0550	mg/L	0.0010	110	85	115			
Nickel	0.0525	mg/L	0.0010	105	85	115			
Silver	0.0204	mg/L	0.0010	94	85	115			
Thorium 232	0.0522	mg/L	0.0010	104	85	115			
Uranium	0.0522	mg/L	0.00030	104	85	115			
Vanadium	0.0540	mg/L	0.0010	108	85	115			
Zinc	0.0550	mg/L	0.0010	107	85	115			
Sample ID: R08010124-003A	Post Digestion Spike				Run: SUB-C95693				01/17/08 18:28
Arsenic	0.0579	mg/L	0.0010	114	70	130			
Barium	0.0747	mg/L	0.10	102	70	130			
Cadmium	0.0502	mg/L	0.010	100	70	130			
Copper	0.0486	mg/L	0.010	91	70	130			
Lead	0.0537	mg/L	0.050	107	70	130			
Mercury	0.00539	mg/L	0.0010	108	70	130			
Molybdenum	0.0792	mg/L	0.10	117	70	130			
Nickel	0.0539	mg/L	0.050	95	70	130			
Silver	0.0155	mg/L	0.010	78	70	130			
Thorium 232	0.0579	mg/L	0.0010	116	70	130			
Uranium	0.0715	mg/L	0.00030	115	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R95693	
Sample ID: R08010124-003A	Post Digestion Spike				Run: SUB-C95693			01/17/08 18:28	
Vanadium	0.0505	mg/L	0.10	99	70	130			
Zinc	0.0463	mg/L	0.010	88	70	130			
Sample ID: R08010124-003A	Post Digestion Spike Duplicate				Run: SUB-C95693			01/17/08 18:35	
Arsenic	0.0528	mg/L	0.0010	104	70	130	9.2	20	
Barium	0.0734	mg/L	0.10	99	70	130	0.0	20	
Cadmium	0.0467	mg/L	0.010	93	70	130	7.1	20	
Copper	0.0465	mg/L	0.010	87	70	130	4.5	20	
Lead	0.0512	mg/L	0.050	102	70	130	4.8	20	
Mercury	0.00525	mg/L	0.0010	105	70	130	2.7	20	
Molybdenum	0.0734	mg/L	0.10	106	70	130	0.0	20	
Nickel	0.0493	mg/L	0.050	85	70	130	0.0	20	
Silver	0.0161	mg/L	0.010	80	70	130	3.5	20	
Thorium 232	0.0547	mg/L	0.0010	109	70	130	5.7	20	
Uranium	0.0680	mg/L	0.00030	108	70	130	5.0	20	
Vanadium	0.0478	mg/L	0.10	93	70	130	0.0	20	
Zinc	0.0448	mg/L	0.010	86	70	130	3.2	20	
Method: E200.8								Batch: C_R95861	
Sample ID: LRB	Method Blank				Run: SUB-C95861			01/20/08 14:52	
Aluminum	ND	mg/L	0.0001						
Chromium	ND	mg/L	4E-05						
Manganese	ND	mg/L	5E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C95861			01/20/08 14:59	
Aluminum	0.0538	mg/L	0.0010	73	85	115			S
Chromium	0.0526	mg/L	0.0010	103	85	115			
Manganese	0.0525	mg/L	0.0010	104	85	115			
Sample ID: C08010421-002FMS4	Post Digestion Spike				Run: SUB-C95861			01/21/08 00:01	
Aluminum	0.0561	mg/L	0.10	106	70	130			
Chromium	0.0528	mg/L	0.050	106	70	130			
Manganese	0.0737	mg/L	0.010	106	70	130			
Sample ID: C08010421-002FMSD4	Post Digestion Spike Duplicate				Run: SUB-C95861			01/21/08 00:08	
Aluminum	0.0558	mg/L	0.10	106	70	130	0.0	20	
Chromium	0.0536	mg/L	0.050	107	70	130	1.5	20	
Manganese	0.0743	mg/L	0.010	107	70	130	0.8	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33099
Sample ID: LFB0801121403-3	Laboratory Fortified Blank				Run: DIONEX_080112A				01/12/08 21:19
Chloride	4.91	mg/L	0.50	98	90	110			
Fluoride	2.04	mg/L	0.10	102	90	110			
Nitrogen, Nitrate as N	2.38	mg/L	0.10	95	90	110			
Sulfate	14.4	mg/L	1.0	96	90	110			
Sample ID: LFB0801121403-4	Laboratory Fortified Blank				Run: DIONEX_080112A				01/12/08 21:35
Chloride	4.72	mg/L	0.50	94	90	110			
Fluoride	1.99	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.38	mg/L	0.10	95	90	110			
Sulfate	14.2	mg/L	1.0	94	90	110			
Sample ID: R08010124-001CMS	Sample Matrix Spike				Run: DIONEX_080112A				01/12/08 22:06
Chloride	475	mg/L	2.0	87	80	120			
Fluoride	102	mg/L	3.2	94	80	120			
Nitrogen, Nitrate as N	124	mg/L	0.84	99	80	120			
Sulfate	2250	mg/L	36	85	80	120			
Sample ID: R08010124-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080112A				01/12/08 22:21
Chloride	461	mg/L	2.0	81	80	120	2.9	10	
Fluoride	99.7	mg/L	3.2	92	80	120	2.1	10	
Nitrogen, Nitrate as N	118	mg/L	0.84	94	80	120	4.7	10	
Sulfate	2240	mg/L	36	83	80	120	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0383	
Sample ID: RB-GrAB-0383	Method Blank				Run: SUB-C95875			01/22/08 08:04	
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0383	Laboratory Control Sample				Run: SUB-C95875			01/22/08 08:05	
Gross Alpha	300	pCi/L	1.0	108	70	130			
Sample ID: Cs137-GrAB-0383	Laboratory Control Sample				Run: SUB-C95875			01/22/08 08:04	
Gross Beta	90	pCi/L	2.0	92	70	130			
Sample ID: C08010670-002IDUP	Sample Duplicate				Run: SUB-C95875			01/22/08 20:17	
Gross Alpha	3	pCi/L	1.0				32	43.4	
Gross Beta	ND	pCi/L	2.0				0.0	126.4	
Sample ID: C08010689-008ADUP	Sample Duplicate				Run: SUB-C95875			01/22/08 20:17	
Gross Alpha	36.7	pCi/L	1.0				5.1	18.9	
Gross Beta	5.26	pCi/L	2.0				42	114.1	
Sample ID: C07121289-006EDUP	Sample Duplicate				Run: SUB-C95875			01/23/08 09:33	
Gross Alpha	92	pCi/L	1.0				3.4	15.6	
Gross Beta	42	pCi/L	2.0				6.5	19.7	
Method: E901.1								Batch: C_R96034	
Sample ID: LCS-R96034	Laboratory Control Sample				Run: SUB-C96034			01/17/08 16:36	
Cesium 137	1170	pCi/L	20	83	70	130			
Potassium 40	7470	pCi/L	20	112	70	130			
Sample ID: MB-R96034	Method Blank				Run: SUB-C96034			01/17/08 16:36	
Gross Gamma	ND	pCi/L	20						
Sample ID: R08010124-003I	Sample Duplicate				Run: SUB-C96034			01/17/08 16:36	
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_17550
Sample ID: LCS-17550	Laboratory Control Sample				Run: SUB-C96206				01/28/08 12:51
Radium 226	13	pCi/L	0.20	102	70	130			
Sample ID: MB-17550	Method Blank				Run: SUB-C96206				01/28/08 12:51
Radium 226	ND	pCi/L	0.004						
Sample ID: C08010814-002EMS	Sample Matrix Spike				Run: SUB-C96206				01/28/08 12:51
Radium 226	19	pCi/L	0.20	100	70	130			
Sample ID: C08010814-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C96206				01/28/08 12:51
Radium 226	19	pCi/L	0.20	100	70	130	0.0	26.8	
Method: E903.0									Batch: C_RA226-2570
Sample ID: C08010841-001AMS	Sample Matrix Spike				Run: SUB-C96318				01/29/08 20:01
Radium 226	87	pCi/L	0.20	75	70	130			
Sample ID: C08010841-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C96318				01/29/08 20:01
Radium 226	89	pCi/L	0.20	90	70	130	2.1	16.8	
Sample ID: MB-RA226-2570	Method Blank				Run: SUB-C96318				01/29/08 20:01
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2570	Laboratory Control Sample				Run: SUB-C96318				01/29/08 20:01
Radium 226	13	pCi/L	0.20	100	70	130			
Method: E907.0									Batch: C_17550
Sample ID: C08010565-001AMS	Sample Matrix Spike				Run: SUB-C96303				01/21/08 14:15
Thorium 230	48.8	pCi/Filter	0.20	105	70	130			
Sample ID: C08010565-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C96303				01/21/08 14:15
Thorium 230	38.8	pCi/Filter	0.20	83	70	130	23	30	
Sample ID: LCS-17550	Laboratory Control Sample				Run: SUB-C96303				01/21/08 14:15
Thorium 230	4.50	pCi/Filter	0.20	92	70	130			
Sample ID: MB-17550	Method Blank				Run: SUB-C96303				01/21/08 14:15
Thorium 230	ND	pCi/Filter	0.004						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R96218
Sample ID: LCS-R96218	Laboratory Control Sample				Run: SUB-C96218				01/17/08 16:00
Thorium 230	4.70	pCi/L	0.20	96	70	130			
Sample ID: C08010620-001AMS	Sample Matrix Spike				Run: SUB-C96218				01/17/08 16:00
Thorium 230	15.2	pCi/L	0.20	93	70	130			
Sample ID: C08010620-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C96218				01/17/08 16:00
Thorium 230	16.2	pCi/L	0.20	99	70	130	6.4	30	
Sample ID: MB-R96218	Method Blank				Run: SUB-C96218				01/17/08 16:00
Thorium 230	ND	pCi/L	0.2						
Method: E909.0M									Batch: C_17550
Sample ID: R08010124-003K	Sample Matrix Spike				Run: SUB-C96134				01/21/08 11:30
Lead 210	1300	pCi/L	1.0	112	70	130			
Sample ID: R08010124-003K	Sample Matrix Spike Duplicate				Run: SUB-C96134				01/21/08 11:30
Lead 210	990	pCi/L	1.0	83	70	130	30	30	
Sample ID: MB-R96134	Method Blank				Run: SUB-C96134				01/21/08 11:30
Lead 210	ND	pCi/Filter	1						
Sample ID: LCS-R96134	Laboratory Control Sample				Run: SUB-C96134				01/21/08 11:30
Lead 210	136	pCi/Filter	1.0	114	70	130			
Method: E909.0M									Batch: C_R95837
Sample ID: C08010421-004AMS	Sample Matrix Spike				Run: SUB-C95837				01/17/08 11:45
Lead 210	530	pCi/L	1.0	132	70	130			S
- Spike response is outside of the acceptance range for this analysis but within control limits. Since the LCS and the RPD for the MS MSD pair are acceptable, the high response is considered to be matrix related. The batch is approved.									
Sample ID: C08010421-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C95837				01/17/08 11:45
Lead 210	440	pCi/L	1.0	111	70	130	17	30	
Sample ID: MB-R95837	Method Blank				Run: SUB-C95837				01/17/08 11:45
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R95837	Laboratory Control Sample				Run: SUB-C95837				01/17/08 11:45
Lead 210	51	pCi/L	1.0	72	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/29/08
Work Order: R08010124

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_17550
Sample ID: C08010814-002EMS	Sample Matrix Spike				Run: SUB-C96222				01/21/08 14:00
Polonium 210	97	pCi/L	1.0	75	70	130			
Sample ID: C08010814-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C96222				01/21/08 14:00
Polonium 210	100	pCi/L	1.0	80	70	130	7.2	30	
Sample ID: LCS-17550	Laboratory Control Sample				Run: SUB-C96222				01/21/08 14:00
Polonium 210	19	pCi/L	1.0	84	70	130			
Sample ID: MB-17550	Method Blank				Run: SUB-C96222				01/21/08 14:00
Polonium 210	ND	pCi/L	1						
Method: RMO-3008									Batch: C_R96219
Sample ID: LCS-R96219	Laboratory Control Sample				Run: SUB-C96219				01/21/08 14:00
Polonium 210	18	pCi/L	1.0	81	70	130			
Sample ID: MB-R96219	Method Blank				Run: SUB-C96219				01/21/08 14:00
Polonium 210	ND	pCi/L	1						
Sample ID: C08010814-001DMS	Sample Matrix Spike				Run: SUB-C96219				01/21/08 14:00
Polonium 210	170	pCi/L	1.0	76	70	130			
Sample ID: C08010814-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C96219				01/21/08 14:00
Polonium 210	190	pCi/L	1.0	85	70	130	11	30	

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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
RESPEC	Power Tech Dewey Burdock	State: SD, WY	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** / **Phone/Fax:**	**Email:**	**Sampler: (Please Print)**
RESPEC	Cory.Foreman@respec.com		ERIC KRANTZ
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
	attn: Cory Foreman		

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

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

ANALYSIS REQUESTED: As per quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: All surface water

Shipped by:

Cooler ID(s):

Receipt Temp 2.8 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Comments	LABORATORY USE ONLY
1	DewBurdCHE05	1/11/08	08:30	W	Set #1	20801012 4-001
2	DewBurd BVC01	1/11/08	11:15	W	Set #10	002
3	DewBurd BVC04	1/18/08	13:00	W	Set #8	003
4						
5						
6						
7						
8						
9						
10						

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
[illegible]	1/11/08 18:05				
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: _____ Lab Disposal: _____			Received by Laboratory: Lindalarson	Date/Time: 1/11/08 1805	Signature: [illegible]

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

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ANALYTICAL SUMMARY REPORT

April 30, 2008

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

Workorder No.: R08020083 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 3 samples from RESPEC Inc on 2/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08020083-001	DewBurd Sub08	02/10/08 15:10	02/11/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08020083-002	DewBurd Sub06	02/10/08 16:10	02/11/08	Aqueous	Same As Above
R08020083-003	DewBurd Sub02	02/10/08 17:00	02/11/08	Aqueous	Same As Above

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

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

Linda Larson

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-001
Client Sample ID: DewBurd Sub08

Report Date: 04/30/08
Collection Date: 02/10/08 15:10
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	02/11/08 13:40/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	246	mg/L		5		1	A2320 B	02/21/08 16:32/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:32/sn
Bicarbonate as HCO3	300	mg/L		5		1	A2320 B	02/21/08 16:32/sn
Calcium	186	mg/L		0.5		1	E200.7	02/27/08 21:15/eli-c
Chloride	42	mg/L		1		5	E300.0	02/14/08 16:59/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	02/12/08 19:52/sn
Magnesium	78.8	mg/L		0.5		1	E200.7	02/27/08 21:15/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:53/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/12/08 19:52/sn
Potassium	17	mg/L		1		1	E200.7	02/27/08 21:15/eli-c
Silica	9.9	mg/L		0.5		1	E200.7	02/27/08 21:15/eli-c
Sodium	759	mg/L	D	8		10	E200.7	02/27/08 18:57/eli-c
Sulfate	1790	mg/L	D	7		100	E300.0	02/14/08 16:43/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4180	umhos/cm		5.0		1	A2510 B	02/16/08 15:25/jmh
pH	7.54	s.u.		0.01		1	A4500-H B	02/16/08 14:59/jmh
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	04/15/08 00:00/lkl
Solids, Suspended Sediment SSC @ 105 C	66	mg/L		5		1	D3977	02/20/08 16:28/jmh
Solids, Total Dissolved TDS @ 180 C	3400	mg/L		5		1	A2540 C	02/11/08 14:57/jmh
Solids, Total Suspended TSS @ 105 C	14	mg/L		5		1	A2540 D	02/15/08 10:59/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/21/08 21:25/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	02/21/08 21:25/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 21:25/eli-c
Boron	0.7	mg/L		0.1		1	E200.7	02/27/08 21:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 21:25/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 21:25/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 21:25/eli-c
Iron	0.03	mg/L		0.03		1	E200.7	02/27/08 21:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 21:25/eli-c
Manganese	0.37	mg/L		0.01		1	E200.8	02/21/08 21:25/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/21/08 21:25/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/21/08 21:25/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-001
Client Sample ID: DewBurd Sub08

Report Date: 04/30/08
Collection Date: 02/10/08 15:10
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 21:25/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 17:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/21/08 21:25/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	02/21/08 21:25/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/21/08 21:25/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	02/21/08 21:25/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	02/21/08 23:23/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 23:23/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	02/21/08 21:17/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	02/21/08 05:45/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 05:45/eli-c
Boron	0.7	mg/L		0.1		1	E200.7	02/27/08 21:24/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 05:45/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 05:45/eli-c
Chromium, Hexavalent	0.008	mg/L		0.005		1	A3500-Cr B	02/11/08 16:18/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	04/15/08 00:00/lkl
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 05:45/eli-c
Iron	0.34	mg/L		0.03		1	E200.7	02/27/08 21:24/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 05:45/eli-c
Manganese	0.37	mg/L		0.01		1	E200.8	02/21/08 05:45/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/21/08 05:45/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/21/08 05:45/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 05:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 05:45/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/21/08 05:45/eli-c
Uranium	0.0023	mg/L	D	0.0005		1	E200.8	02/21/08 05:45/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/21/08 05:45/eli-c
Zinc	ND	mg/L		0.04		1	E200.8	02/21/08 21:17/eli-c
Calcium	181	mg/L		0.5		1	E200.7	02/27/08 21:24/eli-c
Magnesium	78.3	mg/L		0.5		1	E200.7	02/27/08 21:24/eli-c
Potassium	16.1	mg/L		0.5		1	E200.7	02/27/08 21:24/eli-c
Silica	11.0	mg/L		0.1		1	E200.7	02/27/08 21:24/eli-c
Sodium	789	mg/L	D	5		10	E200.7	02/27/08 19:26/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-001
Client Sample ID: DewBurd Sub08

Report Date: 04/30/08
Collection Date: 02/10/08 15:10
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	02/19/08 12:03/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 10:14/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	02/19/08 17:19/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 15:30/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 17:37/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	ND	pCi/L		0.2		1	E903.0	03/03/08 11:48/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	1.2	pCi/L		0.2		1	E903.0	02/25/08 13:00/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	02/25/08 13:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/21/08 16:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	12.2	pCi/L		1.0		1	E900.0	02/29/08 03:49/eli-c
Gross Alpha precision (±)	3.3	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Beta	13.9	pCi/L		2.0		1	E900.0	02/29/08 03:49/eli-c
Gross Beta precision (±)	7.2	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.4	pCi/L		0.2		1	E903.0	03/04/08 16:55/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	03/04/08 16:55/eli-c
Thorium 230	0.6	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
Thorium 230 precision (±)	0.04	pCi/L				1	E907.0	02/22/08 14:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.26					1	A1030 E	04/15/08 00:00/lkl
Anions	43.5	meq/L				1	A1030 E	04/15/08 00:00/lkl
Cations	49.3	meq/L				1	A1030 E	04/15/08 00:00/lkl
Solids, Total Dissolved Calculated	3020	mg/L				1	A1030 E	04/15/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.12					1	A1030 E	04/15/08 00:00/lkl

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-002
Client Sample ID: DewBurd Sub06

Report Date: 04/30/08
Collection Date: 02/10/08 16:10
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	02/11/08 13:40/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	02/21/08 16:33/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:33/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	02/21/08 16:33/sn
Calcium	534	mg/L	D	1		10	E200.7	02/27/08 19:00/eli-c
Chloride	10	mg/L		1		1	E300.0	02/12/08 20:23/sn
Fluoride	7.4	mg/L		0.1		1	E300.0	02/12/08 20:23/sn
Magnesium	878	mg/L		0.5		10	E200.7	02/27/08 19:00/eli-c
Nitrogen, Ammonia as N	4.5	mg/L	D	0.1		10	A4500-NH3 G	02/11/08 18:16/sn
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	02/12/08 20:23/sn
Potassium	35	mg/L		1		1	E200.7	02/27/08 21:18/eli-c
Silica	37.2	mg/L		0.5		1	E200.7	02/27/08 21:18/eli-c
Sodium	113	mg/L	D	0.8		1	E200.7	02/27/08 21:18/eli-c
Sulfate	7330	mg/L	D	7		100	E300.0	02/14/08 17:14/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	7640	umhos/cm		5.0		1	A2510 B	02/16/08 15:27/jmh
pH	3.19	s.u.		0.01		1	A4500-H B	02/16/08 15:00/jmh
Sodium Adsorption Ratio (SAR)	0.70	unitless		0.10		1	Calculation	04/15/08 00:00/lkl
Solids, Suspended Sediment SSC @ 105 C	14	mg/L		5		1	D3977	02/20/08 16:28/jmh
Solids, Total Dissolved TDS @ 180 C	6800	mg/L		5		1	A2540 C	02/11/08 14:58/jmh
Solids, Total Suspended TSS @ 105 C	10	mg/L		5		1	A2540 D	02/15/08 11:01/jmh
METALS - DISSOLVED								
Aluminum	162	mg/L		0.1		10	E200.7	02/27/08 19:00/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	02/21/08 21:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 21:32/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/27/08 21:18/eli-c
Cadmium	0.036	mg/L		0.005		1	E200.8	02/21/08 21:32/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 21:32/eli-c
Copper	0.13	mg/L		0.01		1	E200.8	02/21/08 21:32/eli-c
Iron	7.35	mg/L		0.03		1	E200.7	02/27/08 21:18/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	02/21/08 21:32/eli-c
Manganese	299	mg/L		0.01		10	E200.7	02/27/08 19:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/21/08 21:32/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/21/08 21:32/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-002
Client Sample ID: DewBurd Sub06

Report Date: 04/30/08
Collection Date: 02/10/08 16:10
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	6.45	mg/L		0.05		1	E200.8	02/21/08 21:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 17:51/eli-c
Thorium 232	0.013	mg/L		0.005		1	E200.8	02/21/08 21:32/eli-c
Uranium	7.84	mg/L		0.0003		1	E200.8	02/21/08 21:32/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/21/08 21:32/eli-c
Zinc	6.58	mg/L		0.01		1	E200.7	02/27/08 21:18/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	02/21/08 23:31/eli-c
Uranium	0.0019	mg/L		0.0003		1	E200.8	02/21/08 23:31/eli-c
METALS - TOTAL								
Aluminum	166	mg/L		0.1		10	E200.8	02/21/08 21:24/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	02/21/08 05:53/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 05:53/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/27/08 21:28/eli-c
Cadmium	0.031	mg/L		0.005		1	E200.8	02/21/08 05:53/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 05:53/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.01		2	A3500-Cr B	02/11/08 16:18/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	04/15/08 00:00/lkl
Copper	0.13	mg/L		0.01		1	E200.8	02/21/08 05:53/eli-c
Iron	8.22	mg/L		0.03		1	E200.7	02/27/08 21:28/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	02/21/08 05:53/eli-c
Manganese	317	mg/L		0.01		10	E200.7	02/27/08 19:29/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/21/08 05:53/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/21/08 05:53/eli-c
Nickel	6.14	mg/L		0.05		1	E200.8	02/21/08 05:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 05:53/eli-c
Thorium 232	0.013	mg/L		0.005		1	E200.8	02/21/08 05:53/eli-c
Uranium	6.73	mg/L	D	0.0005		1	E200.8	02/21/08 05:53/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/21/08 05:53/eli-c
Zinc	7.22	mg/L	D	0.02		10	E200.8	02/21/08 21:24/eli-c
Calcium	571	mg/L	D	0.8		10	E200.7	02/27/08 19:29/eli-c
Magnesium	930	mg/L	D	0.8		10	E200.7	02/27/08 19:29/eli-c
Potassium	37.1	mg/L		0.5		1	E200.7	02/27/08 21:28/eli-c
Silica	41.5	mg/L		0.1		1	E200.7	02/27/08 21:28/eli-c
Sodium	115	mg/L		0.5		1	E200.7	02/27/08 21:28/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-002
Client Sample ID: DewBurd Sub06

Report Date: 04/30/08
Collection Date: 02/10/08 16:10
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	0.017	mg/L		0.001		1	A3114 B	02/19/08 12:05/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 10:16/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.016	mg/L		0.001		1	A3114 B	02/19/08 17:21/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 15:33/eli-c
Selenium-VI	0.016	mg/L		0.001		1	A3114 B	02/19/08 17:37/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	2.2	pCi/L		0.2		1	E903.0	03/03/08 11:48/eli-c
Thorium 230	25.2	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	02/22/08 14:15/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	03/03/08 11:48/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	1.0	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								
Gross Alpha	8750	pCi/L		1.0		1	E900.0	02/29/08 03:49/eli-c
Gross Alpha precision (±)	43.6	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Beta	3600	pCi/L		2.0		1	E900.0	02/29/08 03:49/eli-c
Gross Beta precision (±)	45.5	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Gamma	675	pCi/L		20.0		1	E901.1	02/19/08 08:48/eli-c
Gross Gamma precision (±)	192	pCi/L				1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	1.8	pCi/L		0.2		1	E903.0	03/04/08 18:25/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/04/08 18:25/eli-c
Thorium 230	31.1	pCi/L		0.2		1	E907.0	02/29/08 11:45/eli-c
Thorium 230 precision (±)	0.9	pCi/L				1	E907.0	02/29/08 11:45/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.74					1	A1030 E	04/15/08 00:00/lkl
Anions	154	meq/L				1	A1030 E	04/15/08 00:00/lkl
Cations	145	meq/L				1	A1030 E	04/15/08 00:00/lkl

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-002
Client Sample ID: DewBurd Sub06

Report Date: 04/30/08
Collection Date: 02/10/08 16:10
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Solids, Total Dissolved Calculated	8910	mg/L				1	A1030 E	04/15/08 00:00/lkl
TDS Balance (0.80 - 1.20)	0.770					1	A1030 E	04/15/08 00:00/lkl

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-003
Client Sample ID: DewBurd Sub02

Report Date: 04/30/08
Collection Date: 02/10/08 17:00
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	02/11/08 13:40/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	90	mg/L		5		1	A2320 B	02/21/08 16:36/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:36/sn
Bicarbonate as HCO3	110	mg/L		5		1	A2320 B	02/21/08 16:36/sn
Calcium	538	mg/L	D	1		10	E200.7	02/27/08 19:23/eli-c
Chloride	24	mg/L		1		5	E300.0	02/14/08 18:00/sn
Fluoride	0.5	mg/L		0.1		1	E300.0	02/12/08 20:54/sn
Magnesium	198	mg/L		0.5		1	E200.7	02/27/08 21:21/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/11/08 18:17/sn
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	02/12/08 20:54/sn
Potassium	23	mg/L		1		1	E200.7	02/27/08 21:21/eli-c
Silica	2.8	mg/L		0.5		1	E200.7	02/27/08 21:21/eli-c
Sodium	169	mg/L	D	0.8		1	E200.7	02/27/08 21:21/eli-c
Sulfate	2500	mg/L	D	7		100	E300.0	02/14/08 17:45/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3800	umhos/cm		5.0		1	A2510 B	02/16/08 15:28/jmh
pH	7.81	s.u.		0.01		1	A4500-H B	02/16/08 15:02/jmh
Sodium Adsorption Ratio (SAR)	1.6	unitless		0.10		1	Calculation	04/15/08 00:00/lkl
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	02/20/08 16:29/jmh
Solids, Total Dissolved TDS @ 180 C	2900	mg/L		5		1	A2540 C	02/11/08 15:00/jmh
Solids, Total Suspended TSS @ 105 C	10	mg/L		5		1	A2540 D	02/15/08 11:02/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/21/08 22:20/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/21/08 22:20/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 22:20/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	02/27/08 21:21/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 22:20/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 22:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 22:20/eli-c
Iron	0.07	mg/L		0.03		1	E200.7	02/27/08 21:21/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 22:20/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	02/21/08 22:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/21/08 22:20/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/21/08 22:20/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-003
Client Sample ID: DewBurd Sub02

Report Date: 04/30/08
Collection Date: 02/10/08 17:00
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 22:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 18:11/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/21/08 22:20/eli-c
Uranium	0.177	mg/L		0.0003		1	E200.8	02/22/08 18:11/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/21/08 22:20/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/21/08 22:20/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	02/21/08 23:38/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 23:38/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	02/21/08 21:32/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/21/08 06:00/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 06:00/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	02/27/08 21:31/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 06:00/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 06:00/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	02/11/08 16:09/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	04/15/08 00:00/lkl
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 06:00/eli-c
Iron	0.22	mg/L		0.03		1	E200.7	02/27/08 21:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 06:00/eli-c
Manganese	0.04	mg/L		0.01		1	E200.8	02/21/08 06:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/21/08 06:00/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/21/08 06:00/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 06:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 06:00/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/21/08 06:00/eli-c
Uranium	0.168	mg/L	D	0.0005		1	E200.8	02/21/08 06:00/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/21/08 06:00/eli-c
Zinc	ND	mg/L		0.02		1	E200.8	02/21/08 21:32/eli-c
Calcium	579	mg/L	D	0.8		10	E200.7	02/27/08 19:33/eli-c
Magnesium	201	mg/L		0.5		1	E200.7	02/27/08 21:31/eli-c
Potassium	23.6	mg/L		0.5		1	E200.7	02/27/08 21:31/eli-c
Silica	2.9	mg/L		0.1		1	E200.7	02/27/08 21:31/eli-c
Sodium	175	mg/L		0.5		1	E200.7	02/27/08 21:31/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-003
Client Sample ID: DewBurd Sub02

Report Date: 04/30/08
Collection Date: 02/10/08 17:00
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	02/19/08 12:08/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 10:18/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	02/19/08 17:23/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 15:35/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	02/19/08 17:37/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.4	pCi/L		0.2		1	E903.0	03/03/08 11:48/eli-c
Thorium 230	0.4	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
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	03/03/08 11:48/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 14:45/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	02/21/08 16:15/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	02/21/08 16:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	131	pCi/L		1.0		1	E900.0	02/29/08 03:49/eli-c
Gross Alpha precision (±)	5.3	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Beta	81.5	pCi/L		2.0		1	E900.0	02/29/08 03:49/eli-c
Gross Beta precision (±)	8.4	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.6	pCi/L		0.2		1	E903.0	03/04/08 19:56/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/04/08 19:56/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
Thorium 230 precision (±)	0.04	pCi/L				1	E907.0	02/22/08 14:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.33					1	A1030 E	04/15/08 00:00/lkl
Anions	54.6	meq/L				1	A1030 E	04/15/08 00:00/lkl
Cations	51.1	meq/L				1	A1030 E	04/15/08 00:00/lkl
Solids, Total Dissolved Calculated	3510	mg/L				1	A1030 E	04/15/08 00:00/lkl

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020083-003
Client Sample ID: DewBurd Sub02

Report Date: 04/30/08
Collection Date: 02/10/08 17:00
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.830					1	A1030 E	04/15/08 00:00/lkl

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080221A-ALK-SEL-W	
Sample ID: MBLK1_080221A	Method Blank				Run: PH_COND1-R_080221A			02/21/08 16:26	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_080221A	Laboratory Control Sample				Run: PH_COND1-R_080221A			02/21/08 16:28	
Alkalinity, Total as CaCO3	1010	mg/L	5.0	101	90	110			
Sample ID: R08020143-002BMS	Sample Matrix Spike				Run: PH_COND1-R_080221A			02/21/08 16:57	
Alkalinity, Total as CaCO3	380	mg/L	5.0	96	80	120			
Sample ID: R08020143-002BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080221A			02/21/08 17:00	
Alkalinity, Total as CaCO3	380	mg/L	5.0	96	80	120	0.0	20	
Method: A2510 B								Batch: 080216_1_COND-PROBE-W	
Sample ID: LCS1-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 15:21	
Conductivity @ 25 C	154	umhos/cm	5.0	103	90	110			
Sample ID: LCS2-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 15:21	
Conductivity @ 25 C	5060	umhos/cm	5.0	101	90	110			
Sample ID: LCS_COND-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 15:22	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080216	Method Blank				Run: PH_COND2-R_080216A			02/16/08 15:22	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 080211A-SLDS-TDS-W	
Sample ID: MBLK1_080211A	Method Blank				Run: BAL-4-R_080211A			02/11/08 14:08	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080211A	Laboratory Control Sample				Run: BAL-4-R_080211A			02/11/08 14:09	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	104	90	110			
Sample ID: R08020065-001AMS	Sample Matrix Spike				Run: BAL-4-R_080211A			02/11/08 14:47	
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	101	80	120			
Sample ID: R08020065-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080211A			02/11/08 14:48	
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	112	80	120	2.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080215A-SLDS-TSS-W	
Sample ID: MBLK1_080215A	Method Blank				Run: BAL-4-R_080215A			02/15/08 10:56	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_080215A	Laboratory Control Sample				Run: BAL-4-R_080215A			02/15/08 10:57	
Solids, Total Suspended TSS @ 105 C	220	mg/L	5.0	108	85	115			
Sample ID: R08020083-001CDUP	Sample Duplicate				Run: BAL-4-R_080215A			02/15/08 11:00	
Solids, Total Suspended TSS @ 105 C	15	mg/L	5.0				6.9	20	
Method: A3114 B								Batch: C_R97081	
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97081			02/19/08 12:26	
Selenium-VI	0.048	mg/L	0.0010	95	85	115			
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97081			02/19/08 12:26	
Selenium-VI	0.050	mg/L	0.0010	99	85	115	3.9	10	
Method: A3114 B								Batch: C_R97115	
Sample ID: C08020551-001HMS	Sample Matrix Spike				Run: SUB-C97115			02/19/08 17:37	
Selenium-VI	0.048	mg/L	0.0010	95	85	115			
Sample ID: C08020551-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C97115			02/19/08 17:37	
Selenium-VI	0.048	mg/L	0.0010	96	85	115	0.7	10	
Method: A3114 B								Batch: C_SE3114-021908D	
Sample ID: MBLK	Method Blank				Run: SUB-C97114			02/19/08 16:21	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97114			02/19/08 16:37	
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08020551-001HMS	Sample Matrix Spike				Run: SUB-C97114			02/19/08 17:26	
Selenium	0.048	mg/L	0.0010	95	85	115			
Sample ID: C08020551-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C97114			02/19/08 17:28	
Selenium	0.049	mg/L	0.0010	98	85	115	2.9	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-080219	
Sample ID: MBLK	Method Blank				Run: SUB-C97079			02/19/08 11:44	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97079			02/19/08 11:47	
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97079			02/19/08 12:10	
Selenium	0.048	mg/L	0.0010	96	85	115			
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97079			02/19/08 12:12	
Selenium	0.050	mg/L	0.0010	99	85	115	3.9	10	
Method: A3114 B								Batch: C_SEIV3114-021908C	
Sample ID: MBLK	Method Blank				Run: SUB-C97108			02/19/08 15:22	
Selenium-IV	0.0003	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97108			02/19/08 15:24	
Selenium-IV	0.052	mg/L	0.0010	104	90	110			
Sample ID: C08020551-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C97108			02/19/08 15:39	
Selenium-IV	0.047	mg/L	0.0010	94	85	115	1.4	10	
Sample ID: R08020083-001H	Sample Matrix Spike				Run: SUB-C97108			02/19/08 15:41	
Selenium-IV	0.048	mg/L	0.0010	96	85	115			
Method: A3114 B								Batch: C_SEIV3114-080219	
Sample ID: MBLK	Method Blank				Run: SUB-C97072			02/19/08 09:27	
Selenium-IV	0.003	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97072			02/19/08 09:43	
Selenium-IV	0.051	mg/L	0.0010	102	90	110			
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97072			02/19/08 10:20	
Selenium-IV	0.089	mg/L	0.0010	177	85	115			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97072			02/19/08 10:22	
Selenium-IV	0.085	mg/L	0.0010	169	85	115	5.0	10	S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B								Batch: 080211A-CR-HEX-W	
Sample ID: MBLK1_080211A	Method Blank				Run: SPEC1_080211A			02/11/08 16:07	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS1_080211A	Laboratory Control Sample				Run: SPEC1_080211A			02/11/08 16:08	
Chromium, Hexavalent	0.20	mg/L	0.0050	99	80	120			
Sample ID: R08020083-001EMS	Sample Matrix Spike				Run: SPEC1_080211A			02/11/08 16:08	
Chromium, Hexavalent	0.22	mg/L	0.0050	103	80	120			
Sample ID: R08020083-002EMS	Sample Matrix Spike				Run: SPEC1_080211A			02/11/08 16:18	
Chromium, Hexavalent	0.36	mg/L	0.010	90	80	120			
Sample ID: R08020083-003EMS	Sample Matrix Spike				Run: SPEC1_080211A			02/11/08 16:09	
Chromium, Hexavalent	0.20	mg/L	0.0050	102	80	120			
Method: A4500-H B								Batch: 080216_1_PH-W	
Sample ID: LCS_pH-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 14:56	
pH	6.93	s.u.	0.010	101	98.55	101.45			
Method: A4500-NH3 G								Batch: A2008-02-11_2_NH3_01	
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080211A			02/11/08 15:32	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	102	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080211A			02/11/08 15:33	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	99	90	110			
Sample ID: MBLK-5	Method Blank				Run: TECHAA2-R_080211A			02/11/08 15:34	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: R08020074-002CMS	Sample Matrix Spike				Run: TECHAA2-R_080211A			02/11/08 17:47	
Nitrogen, Ammonia as N	0.69	mg/L	0.10	94	80	120			
Method: A9222 D								Batch: 080211-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080211A			02/11/08 13:40	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97399				02/26/08 12:13
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	0.02	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97440				02/27/08 15:39
Boron	0.550	mg/L	0.10	110	85	115			
Iron	0.554	mg/L	0.030	111	85	115			
Manganese	0.576	mg/L	0.010	115	85	115			
Calcium	52.3	mg/L	0.50	105	85	115			
Magnesium	50.1	mg/L	0.50	100	85	115			
Potassium	51.4	mg/L	0.50	103	85	115			
Silica	0.591	mg/L	0.10	118	85	115			S
Sodium	52.2	mg/L	0.53	104	85	115			
Sample ID: C08020547-001BMS	Sample Matrix Spike				Run: SUB-C97440				02/27/08 18:27
Boron	9.95	mg/L	0.13	98	70	130			
Iron	9.57	mg/L	0.087	94	70	130			
Manganese	10.0	mg/L	0.010	99	70	130			
Calcium	929	mg/L	0.79	81	70	130			
Magnesium	555	mg/L	0.80	87	70	130			
Potassium	1160	mg/L	0.50	96	70	130			
Silica	26.4	mg/L	0.11	98	70	130			
Sodium	654	mg/L	5.3	89	70	130			
Sample ID: C08020547-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C97440				02/27/08 18:30
Boron	10.3	mg/L	0.13	101	70	130	3.6	20	
Iron	9.80	mg/L	0.087	97	70	130	2.4	20	
Manganese	10.1	mg/L	0.010	100	70	130	1.5	20	
Calcium	954	mg/L	0.79	86	70	130	2.7	20	
Magnesium	572	mg/L	0.80	90	70	130	3.0	20	
Potassium	1160	mg/L	0.50	97	70	130	0.1	20	
Silica	26.3	mg/L	0.11	97	70	130	0.3	20	
Sodium	654	mg/L	5.3	89	70	130	0.0	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R97440
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C97440				02/27/08 13:40
Silica	2.0	mg/L	0.10	100	85	125			
Aluminum	2.0	mg/L	0.10	98	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	2.0	mg/L	0.030	99	85	125			
Manganese	2.0	mg/L	0.010	102	85	125			
Zinc	2.0	mg/L	0.010	98	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C97440				02/27/08 13:43
Calcium	24	mg/L	0.50	96	85	125			
Magnesium	24	mg/L	0.50	96	85	125			
Potassium	25	mg/L	0.50	99	85	125			
Sodium	24	mg/L	0.76	96	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: SUB-C97440				02/27/08 13:50
Silica	ND	mg/L	0.10						
Aluminum	ND	mg/L	0.10						
Boron	0.015	mg/L	0.10						
Calcium	ND	mg/L	0.50						
Iron	ND	mg/L	0.030						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.010						
Potassium	0.045	mg/L	0.50						
Sodium	ND	mg/L	0.76						
Zinc	ND	mg/L	0.010						
Sample ID: C08020547-001AMS	Sample Matrix Spike				Run: SUB-C97440				02/27/08 17:35
Aluminum	9.63	mg/L	0.10	96	70	130			
Boron	10.2	mg/L	0.10	100	70	130			
Iron	9.71	mg/L	0.046	97	70	130			
Manganese	10.4	mg/L	0.010	103	70	130			
Zinc	9.93	mg/L	0.022	99	70	130			
Calcium	914	mg/L	1.0	84	70	130			
Magnesium	558	mg/L	0.50	89	70	130			
Potassium	1140	mg/L	0.50	94	70	130			
Silica	23.1	mg/L	0.20	93	70	130			
Sodium	638	mg/L	7.6	89	70	130			
Sample ID: C08020547-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97440				02/27/08 17:38
Aluminum	9.66	mg/L	0.10	97	70	130	0.3	20	
Boron	10.3	mg/L	0.10	101	70	130	1.3	20	
Iron	9.72	mg/L	0.046	97	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R97440	
Sample ID: C08020547-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97440			02/27/08 17:38	
Manganese	10.2	mg/L	0.010	101	70	130	2.4	20	
Zinc	9.88	mg/L	0.022	99	70	130	0.5	20	
Calcium	902	mg/L	1.0	81	70	130	1.3	20	
Magnesium	552	mg/L	0.50	88	70	130	1.1	20	
Potassium	1130	mg/L	0.50	94	70	130	0.4	20	
Silica	22.9	mg/L	0.20	92	70	130	0.6	20	
Sodium	627	mg/L	7.6	87	70	130	1.7	20	
Method: E200.8								Batch: C_17792	
Sample ID: MB-17792	Method Blank				Run: SUB-C97226			02/21/08 21:54	
Thorium 232	8E-05	mg/L	1E-06						
Uranium	ND	mg/L	1E-06						
Sample ID: LCS1-17792	Laboratory Control Sample				Run: SUB-C97226			02/21/08 22:01	
Uranium	0.0534	mg/L	0.00030	101	80	120			
Sample ID: R08020083-003K	Post Digestion Spike				Run: SUB-C97226			02/21/08 23:45	
Thorium 232	0.0251	mg/L	0.0010	100	70	130			
Uranium	0.0251	mg/L	0.00030	100	70	130			
Sample ID: R08020083-003K	Post Digestion Spike Duplicate				Run: SUB-C97226			02/21/08 23:53	
Thorium 232	0.0247	mg/L	0.0010	99	70	130	1.5	20	
Uranium	0.0248	mg/L	0.00030	99	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_17796	
Sample ID: R08020083-003B	Post Digestion Spike				Run: SUB-C97150			02/21/08 06:08	
Aluminum	0.276	mg/L	0.10	110	70	130			
Arsenic	0.250	mg/L	0.0010	100	70	130			
Barium	0.252	mg/L	0.10	95	70	130			
Cadmium	0.248	mg/L	0.010	99	70	130			
Chromium	0.252	mg/L	0.050	101	70	130			
Copper	0.255	mg/L	0.010	100	70	130			
Lead	0.252	mg/L	0.050	101	70	130			
Manganese	0.302	mg/L	0.010	106	70	130			
Molybdenum	0.282	mg/L	0.10	112	70	130			
Nickel	0.264	mg/L	0.050	101	70	130			
Silver	0.0830	mg/L	0.010	83	70	130			
Thorium 232	0.249	mg/L	0.0010	100	70	130			
Uranium	0.402	mg/L	0.00030	94	70	130			
Vanadium	0.271	mg/L	0.10	108	70	130			
Sample ID: R08020083-003B	Post Digestion Spike Duplicate				Run: SUB-C97150			02/21/08 06:16	
Aluminum	0.361	mg/L	0.10	144	70	130	26	20	SR
Arsenic	0.253	mg/L	0.0010	101	70	130	1.2	20	
Barium	0.253	mg/L	0.10	95	70	130	0.4	20	
Cadmium	0.251	mg/L	0.010	100	70	130	1.1	20	
Chromium	0.252	mg/L	0.050	101	70	130	0.1	20	
Copper	0.251	mg/L	0.010	99	70	130	1.4	20	
Lead	0.253	mg/L	0.050	101	70	130	0.5	20	
Manganese	0.295	mg/L	0.010	103	70	130	2.4	20	
Molybdenum	0.278	mg/L	0.10	110	70	130	1.6	20	
Nickel	0.269	mg/L	0.050	103	70	130	1.7	20	
Silver	0.107	mg/L	0.010	107	70	130	26	20	R
Thorium 232	0.252	mg/L	0.0010	101	70	130	1.2	20	
Uranium	0.406	mg/L	0.00030	95	70	130	1.0	20	
Vanadium	0.271	mg/L	0.10	108	70	130	0.1	20	
Sample ID: MB-17796	Method Blank				Run: SUB-C97150			02/21/08 02:45	
Aluminum	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	0.0001	mg/L	5E-05						
Molybdenum	0.001	mg/L	0.0002						

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97150				02/21/08 02:45
Nickel	ND	mg/L	6E-05						
Silver	ND	mg/L	0.0001						
Thorium 232	0.0001	mg/L	6E-05						
Uranium	0.0004	mg/L	4E-05						
Vanadium	ND	mg/L	0.0001						
Sample ID: LCS1-17796	Laboratory Control Sample				Run: SUB-C97150				02/21/08 02:52
Aluminum	0.0183	mg/L	0.10	91	80	120			
Arsenic	0.0201	mg/L	0.0010	100	80	120			
Barium	0.0194	mg/L	0.10	97	80	120			
Cadmium	0.0196	mg/L	0.010	98	80	120			
Chromium	0.0193	mg/L	0.050	97	80	120			
Copper	0.0199	mg/L	0.010	100	80	120			
Lead	0.0196	mg/L	0.050	98	80	120			
Manganese	0.0195	mg/L	0.010	97	80	120			
Molybdenum	0.0202	mg/L	0.10	95	80	120			
Nickel	0.0203	mg/L	0.050	102	80	120			
Silver	0.0214	mg/L	0.010	107	80	120			
Thorium 232	0.0184	mg/L	0.0010	91	80	120			
Uranium	0.0186	mg/L	0.00030	91	80	120			
Vanadium	0.0194	mg/L	0.10	97	80	120			
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97150				02/21/08 03:00
Aluminum	0.0459	mg/L	0.10	92	85	115			
Arsenic	0.0492	mg/L	0.0010	98	85	115			
Barium	0.0487	mg/L	0.10	97	85	115			
Cadmium	0.0492	mg/L	0.010	98	85	115			
Chromium	0.0490	mg/L	0.050	98	85	115			
Copper	0.0488	mg/L	0.010	98	85	115			
Lead	0.0492	mg/L	0.050	98	85	115			
Manganese	0.0480	mg/L	0.010	96	85	115			
Molybdenum	0.0509	mg/L	0.10	99	85	115			
Nickel	0.0501	mg/L	0.050	100	85	115			
Silver	0.0218	mg/L	0.010	109	85	115			
Uranium	0.0479	mg/L	0.00030	95	85	115			
Vanadium	0.0497	mg/L	0.10	99	85	115			
Sample ID: MB-17796	Method Blank				Run: SUB-C97226				02/21/08 20:25
Aluminum	0.2	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97226				02/21/08 20:25
Cadmium	ND	mg/L	0.0002						
Chromium	ND	mg/L	0.0003						
Copper	ND	mg/L	8E-05						
Lead	ND	mg/L	0.0001						
Manganese	0.0001	mg/L	5E-05						
Molybdenum	ND	mg/L	0.0002						
Nickel	8E-05	mg/L	6E-05						
Thorium 232	ND	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	0.0001						
Zinc	0.1	mg/L	0.002						
Sample ID: LCS1-17796	Laboratory Control Sample				Run: SUB-C97226				02/21/08 20:32
Aluminum	0.0217	mg/L	0.10	108	80	120			
Arsenic	0.0197	mg/L	0.0010	99	80	120			
Barium	0.0206	mg/L	0.10	103	80	120			
Cadmium	0.0209	mg/L	0.010	104	80	120			
Chromium	0.0187	mg/L	0.050	93	80	120			
Copper	0.0197	mg/L	0.010	98	80	120			
Lead	0.0204	mg/L	0.050	102	80	120			
Manganese	0.0192	mg/L	0.010	96	80	120			
Molybdenum	0.0216	mg/L	0.10	108	80	120			
Nickel	0.0194	mg/L	0.050	97	80	120			
Thorium 232	0.0198	mg/L	0.0010	99	80	120			
Uranium	0.0197	mg/L	0.00030	98	80	120			
Vanadium	0.0191	mg/L	0.10	95	80	120			
Zinc	0.0219	mg/L	0.010	100	80	120			
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97226				02/21/08 20:39
Aluminum	0.0536	mg/L	0.10	107	85	115			
Arsenic	0.0518	mg/L	0.0010	104	85	115			
Barium	0.0520	mg/L	0.10	104	85	115			
Cadmium	0.0526	mg/L	0.010	105	85	115			
Chromium	0.0509	mg/L	0.050	102	85	115			
Copper	0.0494	mg/L	0.010	99	85	115			
Lead	0.0522	mg/L	0.050	104	85	115			
Manganese	0.0505	mg/L	0.010	101	85	115			
Molybdenum	0.0534	mg/L	0.10	107	85	115			
Nickel	0.0496	mg/L	0.050	99	85	115			
Thorium 232	0.0509	mg/L	0.0010	102	85	115			
Uranium	0.0506	mg/L	0.00030	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97226				02/21/08 20:39
Vanadium	0.0510	mg/L	0.10	102	85	115			
Zinc	0.0530	mg/L	0.010	102	85	115			
Sample ID: R08020083-003B	Post Digestion Spike				Run: SUB-C97226				02/21/08 21:39
Aluminum	0.299	mg/L	0.10	115	70	130			
Arsenic	0.265	mg/L	0.0010	106	70	130			
Barium	0.273	mg/L	0.10	103	70	130			
Cadmium	0.256	mg/L	0.010	102	70	130			
Copper	0.254	mg/L	0.010	99	70	130			
Lead	0.264	mg/L	0.050	106	70	130			
Nickel	0.270	mg/L	0.050	100	70	130			
Silver	0.0875	mg/L	0.010	88	70	130			
Thorium 232	0.267	mg/L	0.0010	107	70	130			
Uranium	0.439	mg/L	0.00030	106	70	130			
Zinc	0.264	mg/L	0.020	100	70	130			
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: R08020083-003B	Post Digestion Spike Duplicate				Run: SUB-C97226				02/21/08 21:46
Aluminum	0.395	mg/L	0.10	153	70	130	28	20	SR
Arsenic	0.268	mg/L	0.0010	107	70	130	1.1	20	
Barium	0.273	mg/L	0.10	103	70	130	0.1	20	
Cadmium	0.263	mg/L	0.010	105	70	130	2.7	20	
Copper	0.254	mg/L	0.010	100	70	130	0.1	20	
Lead	0.265	mg/L	0.050	106	70	130	0.2	20	
Nickel	0.265	mg/L	0.050	98	70	130	1.7	20	
Silver	0.107	mg/L	0.010	107	70	130	20	20	R
Thorium 232	0.266	mg/L	0.0010	106	70	130	0.6	20	
Uranium	0.431	mg/L	0.00030	103	70	130	2.0	20	
Zinc	0.261	mg/L	0.020	99	70	130	1.3	20	
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97199
Sample ID: CCB	Method Blank				Run: SUB-C97199				02/21/08 13:16
Aluminum	0.0003	mg/L	0.0001						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	8E-05						
Cadmium	ND	mg/L	8E-05						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	6E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	4E-05						
Mercury	ND	mg/L	4E-05						
Molybdenum	ND	mg/L							
Nickel	ND	mg/L	5E-05						
Thorium 232	ND	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	ND	mg/L	0.0001						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97199				02/21/08 13:36
Aluminum	0.0520	mg/L	0.0010	103	85	115			
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Barium	0.0546	mg/L	0.0010	109	85	115			
Cadmium	0.0540	mg/L	0.0010	108	85	115			
Chromium	0.0523	mg/L	0.0010	105	85	115			
Copper	0.0526	mg/L	0.0010	105	85	115			
Lead	0.0519	mg/L	0.0010	104	85	115			
Manganese	0.0511	mg/L	0.0010	102	85	115			
Mercury	0.00510	mg/L	0.0010	102	85	115			
Molybdenum	0.0551	mg/L	0.0010	110	85	115			
Nickel	0.0517	mg/L	0.0010	103	85	115			
Thorium 232	0.0519	mg/L	0.0010	104	85	115			
Uranium	0.0513	mg/L	0.00030	103	85	115			
Vanadium	0.0526	mg/L	0.0010	105	85	115			
Zinc	0.0565	mg/L	0.0010	113	85	115			
Sample ID: R08020083-002A	Sample Matrix Spike				Run: SUB-C97199				02/21/08 21:39
Aluminum	102	mg/L	0.10		70	130			A
Arsenic	0.0550	mg/L	0.0010	101	70	130			
Barium	0.0567	mg/L	0.10	106	70	130			
Cadmium	0.0822	mg/L	0.010	91	70	130			
Chromium	0.0406	mg/L	0.050	55	70	130			S
Copper	0.178	mg/L	0.010	90	70	130			
Lead	0.0528	mg/L	0.050	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97199
Sample ID: R08020083-002A	Sample Matrix Spike				Run: SUB-C97199				02/21/08 21:39
Manganese	162	mg/L	0.010		70	130			A
Mercury	0.00485	mg/L	0.0010	97	70	130			
Molybdenum	0.0530	mg/L	0.10	106	70	130			
Nickel	6.31	mg/L	0.050		70	130			A
Thorium 232	0.0665	mg/L	0.0010	107	70	130			
Uranium	7.81	mg/L	0.00030		70	130			A
Vanadium	0.0289	mg/L	0.10	57	70	130			S
Zinc	6.36	mg/L	0.010		70	130			A
Method: E200.8									Batch: C_R97313
Sample ID: LRB	Method Blank				Run: SUB-C97313				02/22/08 14:40
Silver	0.0005	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313				02/22/08 16:36
Silver	0.0196	mg/L	0.0010	95	85	115			
Sample ID: R08020083-002A	Post Digestion Spike				Run: SUB-C97313				02/22/08 17:57
Silver	0.0166	mg/L	0.010	83	70	130			
Sample ID: R08020083-002A	Post Digestion Spike Duplicate				Run: SUB-C97313				02/22/08 18:04
Silver	0.0149	mg/L	0.010	74	70	130	11	20	
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313				02/22/08 14:46
Silver	0.0153	mg/L	0.0010	74	85	115			S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33470
Sample ID: LFB0802125708-1	Laboratory Fortified Blank				Run: DIONEX_080212A				02/12/08 18:04
Chloride	4.21	mg/L	0.50	94	90	110			
Fluoride	1.76	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.22	mg/L	0.10	99	90	110			
Sample ID: LFB0802125708-1	Laboratory Fortified Blank				Run: DIONEX_080212A				02/12/08 18:20
Chloride	4.25	mg/L	0.50	94	90	110			
Fluoride	1.70	mg/L	0.10	94	90	110			
Nitrogen, Nitrate as N	2.24	mg/L	0.10	100	90	110			
Sample ID: R08020082-001AMS	Sample Matrix Spike				Run: DIONEX_080212A				02/12/08 18:50
Chloride	284	mg/L	5.4	71	80	120			S
Fluoride	89.3	mg/L	0.56	89	80	120			
Nitrogen, Nitrate as N	104	mg/L	1.3	83	80	120			
Sample ID: R08020082-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080212A				02/12/08 19:06
Chloride	292	mg/L	5.4	74	80	120	3.0	10	S
Fluoride	88.8	mg/L	0.56	89	80	120	0.6	10	
Nitrogen, Nitrate as N	101	mg/L	1.3	81	80	120	2.6	10	
Sample ID: R08020094-001AMS	Sample Matrix Spike				Run: DIONEX_080212A				02/12/08 21:55
Fluoride	2.6	mg/L	0.10	93	80	120			
Sample ID: R08020094-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080212A				02/12/08 22:11
Fluoride	2.5	mg/L	0.10	92	80	120	0.4	10	
Method: E300.0									Batch: R33510
Sample ID: LFB0802130124-1	Laboratory Fortified Blank				Run: DIONEX_080214A				02/14/08 15:42
Chloride	5.60	mg/L	0.50	112	90	110			S
Sulfate	14.9	mg/L	1.0	99	90	110			
Sample ID: LFB0802130124-1	Laboratory Fortified Blank				Run: DIONEX_080214A				02/14/08 15:57
Chloride	5.29	mg/L	0.50	106	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0398	
Sample ID: MB-GrAB-0398	Method Blank				Run: SUB-C97539			02/28/08 02:15	
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0398	Laboratory Control Sample				Run: SUB-C97539			02/28/08 02:16	
Gross Alpha	230	pCi/L	1.0	94	70	130			
Sample ID: Cs137-GrAB-0398	Laboratory Control Sample				Run: SUB-C97539			02/28/08 02:16	
Gross Beta	89	pCi/L	2.0	94	70	130			
Sample ID: C08020423-001AMS	Sample Matrix Spike				Run: SUB-C97539			02/28/08 02:16	
Gross Alpha	340	pCi/L	1.0	117	70	130			
Sample ID: C08020423-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97539			02/28/08 02:15	
Gross Alpha	370	pCi/L	1.0	127	70	130	8.0	11.9	
Sample ID: C08020423-001AMS	Sample Matrix Spike				Run: SUB-C97539			02/28/08 02:15	
Gross Beta	100	pCi/L	2.0	87	70	130			
Sample ID: C08020423-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97539			02/28/08 02:15	
Gross Beta	110	pCi/L	2.0	92	70	130	5.4	15.5	
Method: E901.1								Batch: C_R97137	
Sample ID: LCS-R97137	Laboratory Control Sample				Run: SUB-C97137			02/19/08 08:48	
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	82	70	130			
Potassium 40	7400	pCi/L	20	111	70	130			
Sample ID: MB-R97137	Method Blank				Run: SUB-C97137			02/19/08 08:48	
Gross Gamma	ND	pCi/L	20						
Sample ID: R08020083-003I	Sample Duplicate				Run: SUB-C97137			02/19/08 08:48	
Gross Gamma	ND	pCi/L	20				0.0	30	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2633
Sample ID: R08020083-003K	Sample Matrix Spike				Run: SUB-C97303				02/25/08 14:45
Radium 226	120	pCi/L	0.20	95	70	130			
Sample ID: R08020083-003K	Sample Matrix Spike Duplicate				Run: SUB-C97303				02/25/08 14:45
Radium 226	120	pCi/L	0.20	92	70	130	2.6	24.9	
Sample ID: LCS-17792	Laboratory Control Sample				Run: SUB-C97303				02/25/08 14:45
Radium 226	12	pCi/L	0.20	95	70	130			
Sample ID: MB-17792	Method Blank				Run: SUB-C97303				02/25/08 14:45
Radium 226	ND	pCi/L	0.2						
Method: E903.0									Batch: C_RA226-2640
Sample ID: C08020610-001AMS	Sample Matrix Spike				Run: SUB-C97739				03/05/08 06:29
Radium 226	15	pCi/L	0.30	92	70	130			
Sample ID: C08020610-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97739				03/05/08 07:59
Radium 226	15	pCi/L	0.30	92	70	130	0.5	23	
Sample ID: MB-RA226-2640	Method Blank				Run: SUB-C97739				03/05/08 15:31
Radium 226	ND	pCi/L							
Sample ID: LCS-RA226-2640	Laboratory Control Sample				Run: SUB-C97739				03/05/08 17:01
Radium 226	5.2	pCi/L	0.10	83	70	130			
Method: E903.0									Batch: C_RA226-2642
Sample ID: C08020706-001AMS	Sample Matrix Spike				Run: SUB-C97642				03/03/08 11:48
Radium 226	7.2	pCi/L	0.20	89	70	130			
Sample ID: C08020706-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97642				03/03/08 11:48
Radium 226	7.4	pCi/L	0.20	92	70	130	3.2	23.5	
Sample ID: MB-RA226-2642	Method Blank				Run: SUB-C97642				03/03/08 13:34
Radium 226	0.01	pCi/L							
Sample ID: LCS-RA226-2642	Laboratory Control Sample				Run: SUB-C97642				03/03/08 16:21
Radium 226	5.6	pCi/L	0.20	88	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 04/30/08
Work Order: R08020083

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_17792
Sample ID: LCS-17792	Laboratory Control Sample				Run: SUB-C97814				02/21/08 16:15
Thorium 230	32.7	pCi/g-dry	0.10	67	70	130			S
- LCS response is below the acceptance range for this analysis. Since the MB and the RPDs for all 3 MDs are acceptable the batch is approved.									
Sample ID: MB-17792	Method Blank				Run: SUB-C97814				02/21/08 16:15
Thorium 230	ND	pCi/g-dry							
Sample ID: C08020475-002BDUP	Sample Duplicate				Run: SUB-C97814				02/21/08 16:15
Thorium 230	8.36	pCi/g-dry	0.10		70	130	9.9	30	
Sample ID: C08020475-002BDUP	Sample Duplicate				Run: SUB-C97814				02/21/08 16:15
Thorium 230	9.67	pCi/g-dry	0.10		70	130	4.6	30	
Method: E907.0									Batch: C_R98194
Sample ID: LCS-R98194	Laboratory Control Sample				Run: SUB-C98194				02/22/08 14:15
Thorium 230	7.40	pCi/L	0.20	106	70	130			
Sample ID: C08020548-004HMS	Sample Matrix Spike				Run: SUB-C98194				02/22/08 14:15
Thorium 230	44.3	pCi/L	0.20	93	70	130			
Sample ID: C08020548-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C98194				02/22/08 14:15
Thorium 230	42.4	pCi/L	0.20	89	70	130	4.4	30	
Sample ID: MB-R98194	Method Blank				Run: SUB-C98194				02/22/08 14:15
Thorium 230		pCi/L							
Method: E907.0									Batch: C_R98195
Sample ID: LCS-R98195	Laboratory Control Sample				Run: SUB-C98195				02/29/08 11:45
Thorium 230	6.70	pCi/L	0.20	96	70	130			
Sample ID: C08020519-002CMS	Sample Matrix Spike				Run: SUB-C98195				02/29/08 11:45
Thorium 230	14.9	pCi/L	0.20	93	70	130			
Sample ID: C08020519-002CMSD	Sample Matrix Spike Duplicate				Run: SUB-C98195				02/29/08 11:45
Thorium 230	15.5	pCi/L	0.20	97	70	130	3.9	30	
Sample ID: MB-R98195	Method Blank				Run: SUB-C98195				02/29/08 11:45
Thorium 230	0.2	pCi/L							

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
RESPEC	Powritech Dewey Burdock	State:	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	Cory Foreman		Cory Foreman Matt Stoltenberg
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
RESPEC			

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

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

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	As per Quote	No lead 210	No Polonium 210							SEE ATTACHED	Normal Turnaround (TAT)	RUSH	Comments:	LABORATORY USE ONLY
1 DpwBurd Sub 08	2/10/08	15:10	W													Sample Bottle Set 13	B0802083-001
2 DpwBurd Sub 06	2/10/08	16:10	W													Bottle Set 7	002
3 DpwBurd Sub 02	2/10/08	17:00	W													Bottle Set 1	003
4																	
5																	
6																	
7																	
8																	
9																	
10																	

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

Comments: SW

Shipped by:

Cooler ID(s):

Receipt Temp 2.8 °C

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Matt Stoltenberg	2-11-08	Matt Stoltenberg	Steve Froiland	2-11-08 9:00	Steve Froiland
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

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ANALYTICAL SUMMARY REPORT

May 08, 2008

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

Workorder No.: R08020131 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 2/12/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08020131-001	DewBurd CHR05	02/12/08 9:20	02/12/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08020131-002	DewBurd Sub24	02/12/08 9:45	02/12/08	Aqueous	Same As Above

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

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

Report Approved By: Linda Fan

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020131-001
Client Sample ID: DewBurd CHR05

Report Date: 05/08/08
Collection Date: 02/12/08 09:20
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	02/13/08 09:20/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	246	mg/L		5		1	A2320 B	02/21/08 16:47/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:47/sn
Bicarbonate as HCO3	300	mg/L		5		1	A2320 B	02/21/08 16:47/sn
Calcium	496	mg/L	D	1		10	E200.7	02/27/08 17:31/eli-c
Chloride	250	mg/L	D	10		100	E300.0	02/15/08 00:26/sn
Fluoride	0.5	mg/L		0.1		1	E300.0	02/15/08 00:57/sn
Magnesium	113	mg/L		0.5		10	E200.7	02/27/08 17:31/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	02/19/08 12:31/jmh
Nitrogen, Nitrate as N	0.6	mg/L		0.1		1	E300.0	02/15/08 00:57/sn
Potassium	5	mg/L		1		1	E200.7	02/27/08 20:15/eli-c
Silica	14.0	mg/L		0.5		1	E200.7	02/27/08 20:15/eli-c
Sodium	200	mg/L	D	0.8		1	E200.7	02/27/08 20:15/eli-c
Sulfate	1730	mg/L	D	7		100	E300.0	02/15/08 00:26/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3320	umhos/cm		5.0		1	A2510 B	02/16/08 15:42/jmh
pH	7.78	s.u.		0.01		1	A4500-H B	02/16/08 15:06/jmh
Sodium Adsorption Ratio (SAR)	2.1	unitless		0.10		1	Calculation	04/15/08 00:00/lkl
Solids, Suspended Sediment SSC @ 105 C	11	mg/L		5		1	D3977	02/20/08 16:29/jmh
Solids, Total Dissolved TDS @ 180 C	2900	mg/L		5		1	A2540 C	02/19/08 14:28/jmh
Solids, Total Suspended TSS @ 105 C	9	mg/L		5		1	A2540 D	02/15/08 11:07/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/22/08 19:26/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/22/08 19:26/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/22/08 19:26/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	02/27/08 20:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/22/08 19:26/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/22/08 19:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/22/08 19:26/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/27/08 20:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/22/08 19:26/eli-c
Manganese	0.12	mg/L		0.01		1	E200.8	02/22/08 19:26/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/22/08 19:26/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/22/08 19:26/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020131-001
Client Sample ID: DewBurd CHR05

Report Date: 05/08/08
Collection Date: 02/12/08 09:20
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.05		1	E200.8	02/22/08 19:26/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 19:26/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/22/08 19:26/eli-c
Uranium	0.0143	mg/L		0.0003		1	E200.8	02/22/08 19:26/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/22/08 19:26/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/22/08 19:26/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	02/21/08 22:16/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 22:16/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		1	E200.8	02/21/08 04:37/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/21/08 04:37/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 04:37/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	02/27/08 20:22/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 04:37/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 04:37/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	02/12/08 00:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	04/15/08 00:00/lkl
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 04:37/eli-c
Iron	0.10	mg/L		0.03		1	E200.7	02/27/08 20:22/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 04:37/eli-c
Manganese	0.12	mg/L		0.01		1	E200.8	02/21/08 04:37/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/21/08 04:37/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 04:37/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 04:37/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/21/08 04:37/eli-c
Uranium	0.0136	mg/L		0.0003		1	E200.8	02/21/08 04:37/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/21/08 04:37/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/27/08 20:22/eli-c
Calcium	526	mg/L	D	0.8		10	E200.7	02/27/08 18:24/eli-c
Magnesium	115	mg/L		0.5		1	E200.7	02/27/08 20:22/eli-c
Potassium	5.1	mg/L		0.5		1	E200.7	02/27/08 20:22/eli-c
Silica	16.6	mg/L		0.1		10	E200.7	02/27/08 18:24/eli-c
Sodium	196	mg/L		0.5		1	E200.7	02/27/08 20:22/eli-c
METALS - DISSOLVED - SPECIATED								

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020131-001
Client Sample ID: DewBurd CHR05

Report Date: 05/08/08
Collection Date: 02/12/08 09:20
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	02/19/08 11:51/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 09:47/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.003	mg/L		0.001		1	A3114 B	02/19/08 17:15/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 15:26/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	02/19/08 17:37/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	ND	pCi/L		0.2		1	E903.0	03/03/08 11:48/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
RADIONUCLIDES - SUSPENDED								
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 13:00/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	02/21/08 16:15/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	02/21/08 16:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	15.7	pCi/L		1.0		1	E900.0	02/28/08 02:16/eli-c
Gross Alpha precision (±)	3.4	pCi/L				1	E900.0	02/28/08 02:16/eli-c
Gross Beta	7.6	pCi/L		2.0		1	E900.0	02/28/08 02:16/eli-c
Gross Beta precision (±)	7.1	pCi/L				1	E900.0	02/28/08 02:16/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	02/19/08 08:48/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	ND	pCi/L		0.2		1	E903.0	03/03/08 16:45/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
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	03/25/08 08:49/eli-b
DATA QUALITY								
A/C Balance (± 5)	-5.77					1	A1030 E	04/15/08 00:00/lkl
Anions	48.1	meq/L				1	A1030 E	04/15/08 00:00/lkl

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020131-001
Client Sample ID: DewBurd CHR05

Report Date: 05/08/08
Collection Date: 02/12/08 09:20
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	42.9	meq/L				1	A1030 E	04/15/08 00:00/lkl
Solids, Total Dissolved Calculated	2950	mg/L				1	A1030 E	04/15/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	04/15/08 00:00/lkl

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020131-002
Client Sample ID: DewBurd Sub24

Report Date: 05/08/08
Collection Date: 02/12/08 09:45
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	02/13/08 09:20/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	88	mg/L		5		1	A2320 B	02/21/08 16:51/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:51/sn
Bicarbonate as HCO3	107	mg/L		5		1	A2320 B	02/21/08 16:51/sn
Calcium	249	mg/L		0.5		1	E200.7	02/27/08 20:19/eli-c
Chloride	26	mg/L		1		5	E300.0	02/15/08 01:28/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	02/15/08 01:43/sn
Magnesium	89.9	mg/L		0.5		1	E200.7	02/27/08 20:19/eli-c
Nitrogen, Ammonia as N	0.8	mg/L		0.1		1	A4500-NH3 G	02/19/08 12:33/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/15/08 01:43/sn
Potassium	9	mg/L		1		1	E200.7	02/27/08 20:19/eli-c
Silica	9.6	mg/L		0.5		1	E200.7	02/27/08 20:19/eli-c
Sodium	791	mg/L	D	8		10	E200.7	02/27/08 17:48/eli-c
Sulfate	2480	mg/L	D	7		100	E300.0	02/15/08 01:12/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4480	umhos/cm		5.0		1	A2510 B	02/16/08 15:42/jmh
pH	7.54	s.u.		0.01		1	A4500-H B	02/16/08 15:08/jmh
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	04/15/08 00:00/lkl
Solids, Suspended Sediment SSC @ 105 C	75	mg/L		5		1	D3977	02/20/08 16:30/jmh
Solids, Total Dissolved TDS @ 180 C	3800	mg/L		5		1	A2540 C	02/19/08 14:29/jmh
Solids, Total Suspended TSS @ 105 C	17	mg/L		5		1	A2540 D	02/15/08 11:09/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/22/08 19:32/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/22/08 19:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/22/08 19:32/eli-c
Boron	0.7	mg/L		0.1		1	E200.7	02/27/08 20:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/22/08 19:32/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/22/08 19:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/22/08 19:32/eli-c
Iron	0.07	mg/L		0.03		1	E200.7	02/27/08 20:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/22/08 19:32/eli-c
Manganese	0.14	mg/L		0.01		1	E200.8	02/22/08 19:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/22/08 19:32/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/22/08 19:32/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020131-002
Client Sample ID: DewBurd Sub24

Report Date: 05/08/08
Collection Date: 02/12/08 09:45
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.05		1	E200.8	02/22/08 19:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 19:32/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/22/08 19:32/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	02/22/08 19:32/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/22/08 19:32/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/22/08 19:32/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	02/21/08 22:46/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 22:46/eli-c
METALS - TOTAL								
Aluminum	0.1	mg/L		0.1		1	E200.8	02/21/08 04:45/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/21/08 04:45/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 04:45/eli-c
Boron	0.6	mg/L		0.1		1	E200.7	02/27/08 20:25/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 04:45/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 04:45/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	02/12/08 00:00/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	04/15/08 00:00/lkl
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 04:45/eli-c
Iron	1.44	mg/L		0.03		1	E200.7	02/27/08 20:25/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 04:45/eli-c
Manganese	0.14	mg/L		0.01		1	E200.8	02/21/08 04:45/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/21/08 04:45/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 04:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 04:45/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/21/08 04:45/eli-c
Uranium	ND	mg/L		0.0004		1	E200.8	02/21/08 04:45/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/21/08 04:45/eli-c
Zinc	0.02	mg/L		0.01		1	E200.7	02/27/08 20:25/eli-c
Calcium	249	mg/L		0.5		1	E200.7	02/27/08 20:25/eli-c
Magnesium	88.1	mg/L		0.5		1	E200.7	02/27/08 20:25/eli-c
Potassium	8.8	mg/L		0.5		1	E200.7	02/27/08 20:25/eli-c
Silica	10.6	mg/L		0.1		10	E200.7	02/27/08 18:40/eli-c
Sodium	767	mg/L	D	5		10	E200.7	02/27/08 18:40/eli-c
METALS - DISSOLVED - SPECIATED								

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020131-002
Client Sample ID: DewBurd Sub24

Report Date: 05/08/08
Collection Date: 02/12/08 09:45
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	02/19/08 11:53/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 09:49/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	02/19/08 17:17/eli-c
Selenium-IV	0.001	mg/L		0.001		1	A3114 B	02/19/08 15:28/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 17:37/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.8	pCi/L		0.2		1	E903.0	03/03/08 11:48/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/03/08 11:48/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 13:00/eli-c
Thorium 230	1.4	pCi/L		0.2		1	E907.0	03/06/08 16:15/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	03/06/08 16:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	10.2	pCi/L		1.0		1	E900.0	02/29/08 03:49/eli-c
Gross Alpha precision (±)	4.3	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Beta	9.3	pCi/L		2.0		1	E900.0	02/29/08 03:49/eli-c
Gross Beta precision (±)	9.5	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	02/19/08 08:48/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.9	pCi/L		0.2		1	E903.0	03/03/08 18:16/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/03/08 18:16/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	03/25/08 08:52/eli-b
DATA QUALITY								
A/C Balance (± 5)	0.400					1	A1030 E	04/15/08 00:00/lkl
Anions	54.1	meq/L				1	A1030 E	04/15/08 00:00/lkl

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

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020131-002
Client Sample ID: DewBurd Sub24

Report Date: 05/08/08
Collection Date: 02/12/08 09:45
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	54.5	meq/L				1	A1030 E	04/15/08 00:00/lkl
Solids, Total Dissolved Calculated	3690	mg/L				1	A1030 E	04/15/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	04/15/08 00:00/lkl

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080221A-ALK-SEL-W	
Sample ID: MBLK1_080221A	Method Blank				Run: PH_COND1-R_080221A			02/21/08 16:26	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_080221A	Laboratory Control Sample				Run: PH_COND1-R_080221A			02/21/08 16:28	
Alkalinity, Total as CaCO3	1010	mg/L	5.0	101	90	110			
Sample ID: R08020143-002BMS	Sample Matrix Spike				Run: PH_COND1-R_080221A			02/21/08 16:57	
Alkalinity, Total as CaCO3	380	mg/L	5.0	96	80	120			
Sample ID: R08020143-002BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080221A			02/21/08 17:00	
Alkalinity, Total as CaCO3	380	mg/L	5.0	96	80	120	0.0	20	
Method: A2510 B								Batch: 080216_1_COND-PROBE-W	
Sample ID: LCS1-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 15:21	
Conductivity @ 25 C	154	umhos/cm	5.0	103	90	110			
Sample ID: LCS2-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 15:21	
Conductivity @ 25 C	5060	umhos/cm	5.0	101	90	110			
Sample ID: LCS_COND-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 15:22	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080216	Method Blank				Run: PH_COND2-R_080216A			02/16/08 15:22	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08020131-002CDUP	Sample Duplicate				Run: PH_COND2-R_080216A			02/16/08 15:44	
Conductivity @ 25 C	4510	umhos/cm	5.0				0.7	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080219A-SLDS-TDS-W	
Sample ID: MBLK1_080219A	Method Blank				Run: BAL-4-R_080219A			02/19/08 14:17	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080219A	Laboratory Control Sample				Run: BAL-4-R_080219A			02/19/08 14:18	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: R08020130-001AMS	Sample Matrix Spike				Run: BAL-4-R_080219A			02/19/08 14:21	
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	95	80	120			
Sample ID: R08020130-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080219A			02/19/08 14:23	
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	89	80	120	0.9	10	
Sample ID: R08020180-001BMS	Sample Matrix Spike				Run: BAL-4-R_080219A			02/19/08 14:36	
Solids, Total Dissolved TDS @ 180 C	420	mg/L	5.0	97	80	120			
Sample ID: R08020180-001BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080219A			02/19/08 14:37	
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0	106	80	120	4.2	10	
Method: A2540 D								Batch: 080215A-SLDS-TSS-W	
Sample ID: MBLK1_080215A	Method Blank				Run: BAL-4-R_080215A			02/15/08 10:56	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_080215A	Laboratory Control Sample				Run: BAL-4-R_080215A			02/15/08 10:57	
Solids, Total Suspended TSS @ 105 C	220	mg/L	5.0	108	85	115			
Sample ID: R08020131-001CDUP	Sample Duplicate				Run: BAL-4-R_080215A			02/15/08 11:08	
Solids, Total Suspended TSS @ 105 C	8.0	mg/L	5.0				12	20	
Method: A3114 B								Batch: C_R97081	
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97081			02/19/08 12:26	
Selenium-VI	0.048	mg/L	0.0010	95	85	115			
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97081			02/19/08 12:26	
Selenium-VI	0.050	mg/L	0.0010	99	85	115	3.9	10	
Method: A3114 B								Batch: C_R97115	
Sample ID: C08020551-001HMS	Sample Matrix Spike				Run: SUB-C97115			02/19/08 17:37	
Selenium-VI	0.048	mg/L	0.0010	95	85	115			
Sample ID: C08020551-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C97115			02/19/08 17:37	
Selenium-VI	0.048	mg/L	0.0010	96	85	115	0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-021908D	
Sample ID: MBLK	Method Blank				Run: SUB-C97114			02/19/08 16:21	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97114			02/19/08 16:37	
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08020551-001HMS	Sample Matrix Spike				Run: SUB-C97114			02/19/08 17:26	
Selenium	0.048	mg/L	0.0010	95	85	115			
Sample ID: C08020551-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C97114			02/19/08 17:28	
Selenium	0.049	mg/L	0.0010	98	85	115	2.9	10	
Method: A3114 B								Batch: C_SE3114-080219	
Sample ID: MBLK	Method Blank				Run: SUB-C97079			02/19/08 11:44	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97079			02/19/08 11:47	
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97079			02/19/08 12:10	
Selenium	0.048	mg/L	0.0010	96	85	115			
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97079			02/19/08 12:12	
Selenium	0.050	mg/L	0.0010	99	85	115	3.9	10	
Method: A3114 B								Batch: C_SEIV3114-021908C	
Sample ID: MBLK	Method Blank				Run: SUB-C97108			02/19/08 15:22	
Selenium-IV	0.0003	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97108			02/19/08 15:24	
Selenium-IV	0.052	mg/L	0.0010	104	90	110			
Sample ID: C08020551-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C97108			02/19/08 15:39	
Selenium-IV	0.047	mg/L	0.0010	94	85	115	1.4	10	
Sample ID: R08020083-001H	Sample Matrix Spike				Run: SUB-C97108			02/19/08 15:41	
Selenium-IV	0.048	mg/L	0.0010	96	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV3114-080219	
Sample ID: MBLK	Method Blank				Run: SUB-C97072			02/19/08 09:27	
Selenium-IV	0.003	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97072			02/19/08 09:43	
Selenium-IV	0.051	mg/L	0.0010	102	90	110			
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97072			02/19/08 10:20	
Selenium-IV	0.089	mg/L	0.0010	177	85	115			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97072			02/19/08 10:22	
Selenium-IV	0.085	mg/L	0.0010	169	85	115	5.0	10	S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Method: A3500-Cr B								Batch: R33559	
Sample ID: MLBK_021208	Method Blank				Run: SPEC1_080212A			02/12/08 00:00	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS_021208	Laboratory Control Sample				Run: SPEC1_080212A			02/12/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	100	80	120			
Sample ID: R08020131-001E MS	Sample Matrix Spike				Run: SPEC1_080212A			02/12/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	95	80	120			
Sample ID: R08020131-002E MS	Sample Matrix Spike				Run: SPEC1_080212A			02/12/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	95	80	120			
Method: A4500-H B								Batch: 080216_1_PH-W	
Sample ID: LCS_pH-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 14:56	
pH	6.93	s.u.	0.010	101	98.55	101.45			
Sample ID: R08020131-002CDUP	Sample Duplicate				Run: PH_COND2-R_080216A			02/16/08 15:08	
pH	7.54	s.u.	0.010				0.0	1.25	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-02-19_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080219A			02/19/08 11:22	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080219A			02/19/08 11:24	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080219A			02/19/08 11:25	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	94	90	110			
Sample ID: R08020157-001BMS	Sample Matrix Spike				Run: TECHAA2-R_080219A			02/19/08 12:45	
Nitrogen, Ammonia as N	0.34	mg/L	0.10	88	80	120			
Sample ID: R08020157-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080219A			02/19/08 12:47	
Nitrogen, Ammonia as N	0.31	mg/L	0.10	73	80	120	11	10	SR
Method: A9222 D								Batch: 080213-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080212A			02/13/08 09:20	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97399				02/26/08 12:13
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Zinc	0.002	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Sodium	ND	mg/L	0.5						
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97440				02/27/08 15:39
Boron	0.550	mg/L	0.10	110	85	115			
Iron	0.554	mg/L	0.030	111	85	115			
Zinc	0.561	mg/L	0.010	112	85	115			
Calcium	52.3	mg/L	0.50	105	85	115			
Magnesium	50.1	mg/L	0.50	100	85	115			
Potassium	51.4	mg/L	0.50	103	85	115			
Sodium	52.2	mg/L	0.53	104	85	115			
Sample ID: C08020547-001BMS	Sample Matrix Spike				Run: SUB-C97440				02/27/08 18:27
Boron	9.95	mg/L	0.13	98	70	130			
Iron	9.57	mg/L	0.087	94	70	130			
Zinc	9.71	mg/L	0.014	97	70	130			
Calcium	929	mg/L	0.79	81	70	130			
Magnesium	555	mg/L	0.80	87	70	130			
Potassium	1160	mg/L	0.50	96	70	130			
Sodium	654	mg/L	5.3	89	70	130			
Sample ID: C08020547-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C97440				02/27/08 18:30
Boron	10.3	mg/L	0.13	101	70	130	3.6	20	
Iron	9.80	mg/L	0.087	97	70	130	2.4	20	
Zinc	9.90	mg/L	0.014	99	70	130	1.9	20	
Calcium	954	mg/L	0.79	86	70	130	2.7	20	
Magnesium	572	mg/L	0.80	90	70	130	3.0	20	
Potassium	1160	mg/L	0.50	97	70	130	0.1	20	
Sodium	654	mg/L	5.3	89	70	130	0.0	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R97440
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C97440				02/27/08 13:40
Silica	2.0	mg/L	0.10	100	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	2.0	mg/L	0.030	99	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C97440				02/27/08 13:43
Calcium	24	mg/L	0.50	96	85	125			
Magnesium	24	mg/L	0.50	96	85	125			
Potassium	25	mg/L	0.50	99	85	125			
Sodium	24	mg/L	0.76	96	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: SUB-C97440				02/27/08 13:50
Silica	ND	mg/L	0.10						
Boron	0.015	mg/L	0.10						
Calcium	ND	mg/L	0.50						
Iron	ND	mg/L	0.030						
Magnesium	ND	mg/L	0.50						
Potassium	0.045	mg/L	0.50						
Sodium	ND	mg/L	0.76						
Sample ID: C08020547-001AMS	Sample Matrix Spike				Run: SUB-C97440				02/27/08 17:35
Boron	10.2	mg/L	0.10	100	70	130			
Iron	9.71	mg/L	0.046	97	70	130			
Calcium	914	mg/L	1.0	84	70	130			
Magnesium	558	mg/L	0.50	89	70	130			
Potassium	1140	mg/L	0.50	94	70	130			
Silica	23.1	mg/L	0.20	93	70	130			
Sodium	638	mg/L	7.6	89	70	130			
Sample ID: C08020547-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97440				02/27/08 17:38
Boron	10.3	mg/L	0.10	101	70	130	1.3	20	
Iron	9.72	mg/L	0.046	97	70	130	0.1	20	
Calcium	902	mg/L	1.0	81	70	130	1.3	20	
Magnesium	552	mg/L	0.50	88	70	130	1.1	20	
Potassium	1130	mg/L	0.50	94	70	130	0.4	20	
Silica	22.9	mg/L	0.20	92	70	130	0.6	20	
Sodium	627	mg/L	7.6	87	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17792
Sample ID: MB-17792	Method Blank				Run: SUB-C97226				02/21/08 21:54
Thorium 232	8E-05	mg/L	1E-06						
Uranium	ND	mg/L	1E-06						
Sample ID: LCS1-17792	Laboratory Control Sample				Run: SUB-C97226				02/21/08 22:01
Uranium	0.0534	mg/L	0.00030	101	80	120			
Sample ID: R08020083-003K	Post Digestion Spike				Run: SUB-C97226				02/21/08 23:45
Thorium 232	0.0251	mg/L	0.0010	100	70	130			
Uranium	0.0251	mg/L	0.00030	100	70	130			
Sample ID: R08020083-003K	Post Digestion Spike Duplicate				Run: SUB-C97226				02/21/08 23:53
Thorium 232	0.0247	mg/L	0.0010	99	70	130	1.5	20	
Uranium	0.0248	mg/L	0.00030	99	70	130	1.0	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_17796	
Sample ID: R08020083-003B	Post Digestion Spike				Run: SUB-C97150			02/21/08 06:08	
Aluminum	0.276	mg/L	0.10	110	70	130			
Arsenic	0.250	mg/L	0.0010	100	70	130			
Barium	0.252	mg/L	0.10	95	70	130			
Cadmium	0.248	mg/L	0.010	99	70	130			
Chromium	0.252	mg/L	0.050	101	70	130			
Copper	0.255	mg/L	0.010	100	70	130			
Lead	0.252	mg/L	0.050	101	70	130			
Manganese	0.302	mg/L	0.010	106	70	130			
Molybdenum	0.282	mg/L	0.10	112	70	130			
Nickel	0.264	mg/L	0.050	101	70	130			
Silver	0.0830	mg/L	0.010	83	70	130			
Thorium 232	0.249	mg/L	0.0010	100	70	130			
Uranium	0.402	mg/L	0.00030	94	70	130			
Vanadium	0.271	mg/L	0.10	108	70	130			
Sample ID: R08020083-003B	Post Digestion Spike Duplicate				Run: SUB-C97150			02/21/08 06:16	
Aluminum	0.361	mg/L	0.10	144	70	130	26	20	SR
Arsenic	0.253	mg/L	0.0010	101	70	130	1.2	20	
Barium	0.253	mg/L	0.10	95	70	130	0.4	20	
Cadmium	0.251	mg/L	0.010	100	70	130	1.1	20	
Chromium	0.252	mg/L	0.050	101	70	130	0.1	20	
Copper	0.251	mg/L	0.010	99	70	130	1.4	20	
Lead	0.253	mg/L	0.050	101	70	130	0.5	20	
Manganese	0.295	mg/L	0.010	103	70	130	2.4	20	
Molybdenum	0.278	mg/L	0.10	110	70	130	1.6	20	
Nickel	0.269	mg/L	0.050	103	70	130	1.7	20	
Silver	0.107	mg/L	0.010	107	70	130	26	20	R
Thorium 232	0.252	mg/L	0.0010	101	70	130	1.2	20	
Uranium	0.406	mg/L	0.00030	95	70	130	1.0	20	
Vanadium	0.271	mg/L	0.10	108	70	130	0.1	20	
Sample ID: MB-17796	Method Blank				Run: SUB-C97150			02/21/08 02:45	
Aluminum	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	0.0001	mg/L	5E-05						
Molybdenum	0.001	mg/L	0.0002						

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97150				02/21/08 02:45
Nickel	ND	mg/L	6E-05						
Silver	ND	mg/L	0.0001						
Thorium 232	0.0001	mg/L	6E-05						
Uranium	0.0004	mg/L	4E-05						
Vanadium	ND	mg/L	0.0001						
Sample ID: LCS1-17796	Laboratory Control Sample				Run: SUB-C97150				02/21/08 02:52
Aluminum	0.0183	mg/L	0.10	91	80	120			
Arsenic	0.0201	mg/L	0.0010	100	80	120			
Barium	0.0194	mg/L	0.10	97	80	120			
Cadmium	0.0196	mg/L	0.010	98	80	120			
Chromium	0.0193	mg/L	0.050	97	80	120			
Copper	0.0199	mg/L	0.010	100	80	120			
Lead	0.0196	mg/L	0.050	98	80	120			
Manganese	0.0195	mg/L	0.010	97	80	120			
Molybdenum	0.0202	mg/L	0.10	95	80	120			
Nickel	0.0203	mg/L	0.050	102	80	120			
Silver	0.0214	mg/L	0.010	107	80	120			
Thorium 232	0.0184	mg/L	0.0010	91	80	120			
Uranium	0.0186	mg/L	0.00030	91	80	120			
Vanadium	0.0194	mg/L	0.10	97	80	120			
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97150				02/21/08 03:00
Aluminum	0.0459	mg/L	0.10	92	85	115			
Arsenic	0.0492	mg/L	0.0010	98	85	115			
Barium	0.0487	mg/L	0.10	97	85	115			
Cadmium	0.0492	mg/L	0.010	98	85	115			
Chromium	0.0490	mg/L	0.050	98	85	115			
Copper	0.0488	mg/L	0.010	98	85	115			
Lead	0.0492	mg/L	0.050	98	85	115			
Manganese	0.0480	mg/L	0.010	96	85	115			
Molybdenum	0.0509	mg/L	0.10	99	85	115			
Nickel	0.0501	mg/L	0.050	100	85	115			
Silver	0.0218	mg/L	0.010	109	85	115			
Uranium	0.0479	mg/L	0.00030	95	85	115			
Vanadium	0.0497	mg/L	0.10	99	85	115			
Sample ID: MB-17796	Method Blank				Run: SUB-C97226				02/21/08 20:25
Aluminum	0.2	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97226				02/21/08 20:25
Cadmium	ND	mg/L	0.0002						
Chromium	ND	mg/L	0.0003						
Copper	ND	mg/L	8E-05						
Lead	ND	mg/L	0.0001						
Manganese	0.0001	mg/L	5E-05						
Molybdenum	ND	mg/L	0.0002						
Nickel	8E-05	mg/L	6E-05						
Thorium 232	ND	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	0.0001						
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97226				02/21/08 20:39
Aluminum	0.0536	mg/L	0.10	107	85	115			
Arsenic	0.0518	mg/L	0.0010	104	85	115			
Barium	0.0520	mg/L	0.10	104	85	115			
Cadmium	0.0526	mg/L	0.010	105	85	115			
Chromium	0.0509	mg/L	0.050	102	85	115			
Copper	0.0494	mg/L	0.010	99	85	115			
Lead	0.0522	mg/L	0.050	104	85	115			
Manganese	0.0505	mg/L	0.010	101	85	115			
Molybdenum	0.0534	mg/L	0.10	107	85	115			
Nickel	0.0496	mg/L	0.050	99	85	115			
Thorium 232	0.0509	mg/L	0.0010	102	85	115			
Uranium	0.0506	mg/L	0.00030	101	85	115			
Vanadium	0.0510	mg/L	0.10	102	85	115			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97313
Sample ID: LRB	Method Blank				Run: SUB-C97313				02/22/08 14:40
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Barium	0.0002	mg/L	3E-05						
Cadmium	2E-05	mg/L	1E-05						
Chromium	7E-05	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	0.0005	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.01	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313				02/22/08 16:36
Aluminum	0.0540	mg/L	0.0010	108	85	115			
Arsenic	0.0506	mg/L	0.0010	101	85	115			
Barium	0.0509	mg/L	0.0010	101	85	115			
Cadmium	0.0511	mg/L	0.0010	102	85	115			
Chromium	0.0502	mg/L	0.0010	100	85	115			
Copper	0.0500	mg/L	0.0010	100	85	115			
Lead	0.0509	mg/L	0.0010	102	85	115			
Manganese	0.0503	mg/L	0.0010	101	85	115			
Mercury	0.00494	mg/L	0.0010	99	85	115			
Molybdenum	0.0563	mg/L	0.0010	113	85	115			
Nickel	0.0503	mg/L	0.0010	101	85	115			
Silver	0.0196	mg/L	0.0010	95	85	115			
Thorium 232	0.0505	mg/L	0.0010	101	85	115			
Uranium	0.0510	mg/L	0.00030	102	85	115			
Vanadium	0.0504	mg/L	0.0010	101	85	115			
Zinc	0.0523	mg/L	0.0010	84	85	115			S
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313				02/22/08 14:46
Aluminum	0.0534	mg/L	0.0010	107	85	115			
Arsenic	0.0502	mg/L	0.0010	100	85	115			
Barium	0.0498	mg/L	0.0010	99	85	115			
Cadmium	0.0516	mg/L	0.0010	103	85	115			
Chromium	0.0507	mg/L	0.0010	101	85	115			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R97313	
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313			02/22/08 14:46	
Copper	0.0500	mg/L	0.0010	100	85	115			
Lead	0.0507	mg/L	0.0010	101	85	115			
Manganese	0.0502	mg/L	0.0010	100	85	115			
Mercury	0.00502	mg/L	0.0010	100	85	115			
Molybdenum	0.0540	mg/L	0.0010	108	85	115			
Nickel	0.0502	mg/L	0.0010	100	85	115			
Silver	0.0153	mg/L	0.0010	74	85	115			S
Thorium 232	0.0503	mg/L	0.0010	101	85	115			
Uranium	0.0505	mg/L	0.00030	101	85	115			
Vanadium	0.0508	mg/L	0.0010	102	85	115			
Zinc	0.0708	mg/L	0.0010	121	85	115			S
Sample ID: C08020548-001CMS4	Post Digestion Spike				Run: SUB-C97313			02/22/08 19:46	
Aluminum	0.0521	mg/L	0.10	104	70	130			
Arsenic	0.0512	mg/L	0.0010	101	70	130			
Barium	0.0608	mg/L	0.10	103	70	130			
Cadmium	0.0481	mg/L	0.010	96	70	130			
Chromium	0.0491	mg/L	0.050	94	70	130			
Copper	0.0460	mg/L	0.010	91	70	130			
Lead	0.0520	mg/L	0.050	104	70	130			
Manganese	0.136	mg/L	0.010	85	70	130			
Mercury	0.00503	mg/L	0.0010	101	70	130			
Molybdenum	0.0556	mg/L	0.10	109	70	130			
Nickel	0.0468	mg/L	0.050	94	70	130			
Silver	0.0169	mg/L	0.010	84	70	130			
Thorium 232	0.0542	mg/L	0.0010	108	70	130			
Uranium	0.0548	mg/L	0.00030	109	70	130			
Vanadium	0.0495	mg/L	0.10	98	70	130			
Zinc	0.0482	mg/L	0.010	98	70	130			
Sample ID: C08020548-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C97313			02/22/08 19:53	
Aluminum	0.0499	mg/L	0.10	100	70	130	0.0	20	
Arsenic	0.0497	mg/L	0.0010	98	70	130	2.9	20	
Barium	0.0595	mg/L	0.10	100	70	130	0.0	20	
Cadmium	0.0482	mg/L	0.010	96	70	130	0.2	20	
Chromium	0.0493	mg/L	0.050	95	70	130	0.0	20	
Copper	0.0456	mg/L	0.010	91	70	130	0.9	20	
Lead	0.0510	mg/L	0.050	102	70	130	1.9	20	
Manganese	0.138	mg/L	0.010	88	70	130	1.4	20	
Mercury	0.00513	mg/L	0.0010	102	70	130	1.9	20	
Molybdenum	0.0548	mg/L	0.10	108	70	130	0.0	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97313
Sample ID: C08020548-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C97313			02/22/08 19:53	
Nickel	0.0469	mg/L	0.050	94	70	130	0.0	20	
Silver	0.0170	mg/L	0.010	85	70	130	0.4	20	
Thorium 232	0.0540	mg/L	0.0010	108	70	130	0.2	20	
Uranium	0.0542	mg/L	0.00030	108	70	130	1.1	20	
Vanadium	0.0501	mg/L	0.10	99	70	130	0.0	20	
Zinc	0.0452	mg/L	0.010	92	70	130	6.4	20	
Sample ID: C08020583-002AMS	Sample Matrix Spike				Run: SUB-C97313			02/23/08 03:28	
Copper	0.0729	mg/L	0.010	99	70	130			
Lead	0.0510	mg/L	0.0010	102	70	130			
Sample ID: C08020583-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97313			02/23/08 03:35	
Copper	0.0713	mg/L	0.010	96	70	130	2.2	20	
Lead	0.0495	mg/L	0.0010	99	70	130	3.1	20	
Method: E245.1									Batch: C_B_31545
Sample ID: MB-31545	Method Blank				Run: SUB-C98680			03/25/08 08:12	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31545	Laboratory Fortified Blank				Run: SUB-C98680			03/25/08 08:33	
Mercury	0.0018	mg/L	0.0010	89	85	115			
Sample ID: B08031522-006DMS	Sample Matrix Spike				Run: SUB-C98680			03/25/08 08:38	
Mercury	0.0016	mg/L	0.0010	82	70	130			
Sample ID: B08031522-006DMSD	Sample Matrix Spike Duplicate				Run: SUB-C98680			03/25/08 08:40	
Mercury	0.0017	mg/L	0.0010	84	70	130	1.8	30	
Sample ID: B08031535-002BMS	Sample Matrix Spike				Run: SUB-C98680			03/25/08 09:11	
Mercury	0.0017	mg/L	0.0010	82	70	130			
Sample ID: B08031535-002BMSD	Sample Matrix Spike Duplicate				Run: SUB-C98680			03/25/08 09:16	
Mercury	0.0020	mg/L	0.0010	95	70	130	14	30	
Method: E245.1									Analytical Run: SUB-C98680
Sample ID: QCS	Initial Calibration Verification Standard							03/25/08 07:54	
Mercury	0.0019	mg/L	0.0010	93	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33510
Sample ID: LFB0802130124-1	Laboratory Fortified Blank				Run: DIONEX_080214A				02/14/08 15:42
Chloride	5.60	mg/L	0.50	112	90	110			S
Fluoride	2.13	mg/L	0.10	106	90	110			
Nitrogen, Nitrate as N	2.52	mg/L	0.10	101	90	110			
Sulfate	14.9	mg/L	1.0	99	90	110			
Sample ID: LFB0802130124-1	Laboratory Fortified Blank				Run: DIONEX_080214A				02/14/08 15:57
Chloride	5.29	mg/L	0.50	106	90	110			
Fluoride	1.89	mg/L	0.10	95	90	110			
Nitrogen, Nitrate as N	2.42	mg/L	0.10	97	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R08020138-002AMS	Sample Matrix Spike				Run: DIONEX_080214A				02/15/08 02:14
Chloride	294	mg/L	0.54		80	120			A
Fluoride	10.3	mg/L	0.10	93	80	120			
Nitrogen, Nitrate as N	34.8	mg/L	0.13	90	80	120			
Sulfate	1330	mg/L	1.0		80	120			A
Sample ID: R08020138-002AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080214A				02/15/08 09:43
Chloride	294	mg/L	0.54		80	120	0.0	10	A
Fluoride	11.1	mg/L	0.10	101	80	120	7.0	10	
Nitrogen, Nitrate as N	34.6	mg/L	0.13	89	80	120	0.6	10	
Sulfate	1320	mg/L	1.0		80	120	0.4	10	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0398	
Sample ID: MB-GrAB-0398	Method Blank				Run: SUB-C97539			02/28/08 02:15	
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0398	Laboratory Control Sample				Run: SUB-C97539			02/28/08 02:16	
Gross Alpha	230	pCi/L	1.0	94	70	130			
Sample ID: Cs137-GrAB-0398	Laboratory Control Sample				Run: SUB-C97539			02/28/08 02:16	
Gross Beta	89	pCi/L	2.0	94	70	130			
Sample ID: C08020423-001AMS	Sample Matrix Spike				Run: SUB-C97539			02/28/08 02:16	
Gross Alpha	340	pCi/L	1.0	117	70	130			
Sample ID: C08020423-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97539			02/28/08 02:15	
Gross Alpha	370	pCi/L	1.0	127	70	130	8.0	11.9	
Sample ID: C08020423-001AMS	Sample Matrix Spike				Run: SUB-C97539			02/28/08 02:15	
Gross Beta	100	pCi/L	2.0	87	70	130			
Sample ID: C08020423-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97539			02/28/08 02:15	
Gross Beta	110	pCi/L	2.0	92	70	130	5.4	15.5	
Method: E901.1								Batch: C_R97137	
Sample ID: LCS-R97137	Laboratory Control Sample				Run: SUB-C97137			02/19/08 08:48	
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	82	70	130			
Potassium 40	7400	pCi/L	20	111	70	130			
Sample ID: MB-R97137	Method Blank				Run: SUB-C97137			02/19/08 08:48	
Gross Gamma	ND	pCi/L	20						
Sample ID: R08020083-003I	Sample Duplicate				Run: SUB-C97137			02/19/08 08:48	
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2633
Sample ID: R08020083-003K	Sample Matrix Spike				Run: SUB-C97303				02/25/08 14:45
Radium 226	120	pCi/L	0.20	95	70	130			
Sample ID: R08020083-003K	Sample Matrix Spike Duplicate				Run: SUB-C97303				02/25/08 14:45
Radium 226	120	pCi/L	0.20	92	70	130	2.6	24.9	
Sample ID: LCS-17792	Laboratory Control Sample				Run: SUB-C97303				02/25/08 14:45
Radium 226	12	pCi/L	0.20	95	70	130			
Sample ID: MB-17792	Method Blank				Run: SUB-C97303				02/25/08 14:45
Radium 226	ND	pCi/L	0.2						
Method: E903.0									Batch: C_RA226-2639
Sample ID: C08020692-001AMS	Sample Matrix Spike				Run: SUB-C97776				03/04/08 04:52
Radium 226	9.7	pCi/L	0.20	81	70	130			
Sample ID: C08020692-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97776				03/04/08 06:22
Radium 226	10	pCi/L	0.20	92	70	130	6.8	22.2	
Sample ID: MB-RA226-2639	Method Blank				Run: SUB-C97776				03/04/08 07:52
Radium 226	ND	pCi/L							
Sample ID: LCS-RA226-2639	Laboratory Control Sample				Run: SUB-C97776				03/04/08 09:23
Radium 226	12	pCi/L	0.40	93	70	130			
Method: E903.0									Batch: C_RA226-2642
Sample ID: C08020706-001AMS	Sample Matrix Spike				Run: SUB-C97642				03/03/08 11:48
Radium 226	7.2	pCi/L	0.20	89	70	130			
Sample ID: C08020706-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97642				03/03/08 11:48
Radium 226	7.4	pCi/L	0.20	92	70	130	3.2	23.5	
Sample ID: MB-RA226-2642	Method Blank				Run: SUB-C97642				03/03/08 13:34
Radium 226	0.01	pCi/L							
Sample ID: LCS-RA226-2642	Laboratory Control Sample				Run: SUB-C97642				03/03/08 16:21
Radium 226	5.6	pCi/L	0.20	88	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020131

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_17792
Sample ID: R08020131-001K	Sample Duplicate				Run: SUB-C97814				02/21/08 16:15
Thorium 230	0.332	pCi/L	0.20		70	130	15	30	
Sample ID: LCS-17792	Laboratory Control Sample				Run: SUB-C97814				02/21/08 16:15
Thorium 230	32.7	pCi/g-dry	0.10	67	70	130			S
- LCS response is below the acceptance range for this analysis. Since the MB and the RPDs for all 3 MDs are acceptable the batch is approved.									
Sample ID: MB-17792	Method Blank				Run: SUB-C97814				02/21/08 16:15
Thorium 230	ND	pCi/g-dry							
Method: E907.0									Batch: C_R98194
Sample ID: LCS-R98194	Laboratory Control Sample				Run: SUB-C98194				02/22/08 14:15
Thorium 230	7.40	pCi/L	0.20	106	70	130			
Sample ID: C08020548-004HMS	Sample Matrix Spike				Run: SUB-C98194				02/22/08 14:15
Thorium 230	44.3	pCi/L	0.20	93	70	130			
Sample ID: C08020548-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C98194				02/22/08 14:15
Thorium 230	42.4	pCi/L	0.20	89	70	130	4.4	30	
Sample ID: MB-R98194	Method Blank				Run: SUB-C98194				02/22/08 14:15
Thorium 230		pCi/L							

Qualifiers:

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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

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

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Dewey-Burdock

Report Address: PO Box 725, Rapid City, SD 57709

Contact Name, Phone, Fax, E-mail: Cory Foreman 394-6400

Sampler Name if other than Contact: Crystal Hocking, Matt Stoltenberg

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #:

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

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

ANALYSIS REQUESTED: As per Quote

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

Receipt Temp 3.9 °C on ice

Cooler ID(s)

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V U O; Air Water Soils/Solids Vegetation Urine Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID (LABORATORY USE ONLY)
1	SW CHR05	2/12/08	9:20	W				Bag 19	R0802013 1-001
2	SW Sub 24	2/12/08	9:45	W				3	002
3									
4									
5									
6									
7									
8									
9									
10									

Custody Record MUST be Signed

Relinquished by: Crystal M Hocking — Date/Time: 12/2/08 3:00 — Shipped by:
Relinquished by: — Date/Time: — Shipped by:
Received by: — Date/Time:
Received by: Anda — Date/Time: 2/12/08 1538

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

LABORATORY USE ONLY
Sample Type: _____ # of fractions _____

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ANALYTICAL SUMMARY REPORT

July 29, 2008

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

Workorder No.: R08030091 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 6 samples from RESPEC Inc on 3/10/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08030091-001	DewBurd CHR05	03/09/08 9:00	03/10/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08030091-002	DewBurd BVC04	03/09/08 11:05	03/10/08	Aqueous	Same As Above
R08030091-003	DewBurd BVC04	03/09/08 11:15	03/10/08	Aqueous	Same As Above
R08030091-004	DewBurd CHR01	03/09/08 14:15	03/10/08	Aqueous	Same As Above
R08030091-005	DewBurd BVC01	03/09/08 15:15	03/10/08	Aqueous	Same As Above
R08030091-006	DewBurd BLK01	03/09/08 17:35	03/10/08	Aqueous	Same As Above

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

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

Report Approved By: Linda Lar

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-001
Client Sample ID: DewBurd CHR05

Report Date: 07/29/08
Collection Date: 03/09/08 09:00
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	32	CFU/100ml	D	4		4	A9222 D	03/10/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	92	mg/L		5		1	A2320 B	03/17/08 14:49/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/17/08 14:49/sn
Bicarbonate as HCO3	112	mg/L		5		1	A2320 B	03/17/08 14:49/sn
Calcium	152	mg/L		0.5		5	E200.7	04/10/08 20:16/eli-b
Chloride	232	mg/L	D	5		50	E300.0	03/12/08 09:21/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	03/12/08 10:09/jmh
Magnesium	34.2	mg/L		0.5		5	E200.7	04/10/08 20:16/eli-b
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/14/08 16:22/jmh
Nitrogen, Nitrate as N	0.5	mg/L		0.1		1	E300.0	03/12/08 10:09/jmh
Potassium	6	mg/L		1		5	E200.7	04/10/08 20:16/eli-b
Sodium	197	mg/L		0.5		5	E200.7	04/10/08 20:16/eli-b
Sulfate	463	mg/L	D	3		50	E300.0	03/12/08 09:21/jmh
Silica	5.6	mg/L		0.2		5	E200.7	04/10/08 20:16/eli-b
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1810	umhos/cm		5.0		1	A2510 B	03/12/08 15:25/jmh
pH	7.67	s.u.		0.01		1	A4500-H B	03/12/08 12:47/jmh
Sodium Adsorption Ratio (SAR)	3.8	Unitless		0.10		1	Calculation	04/10/08 20:16/krs
Solids, Suspended Sediment SSC @ 105 C	197	mg/L		5		1	D3977	03/10/08 12:21/jmh
Solids, Total Dissolved TDS @ 180 C	1200	mg/L		5		1	A2540 C	03/10/08 12:47/jmh
Solids, Total Suspended TSS @ 105 C	220	mg/L		5		1	A2540 D	03/11/08 14:11/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	04/10/08 20:16/eli-b
Arsenic	ND	mg/L		0.001		1	E200.8	04/04/08 01:01/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/04/08 01:01/eli-c
Boron	0.1	mg/L		0.1		5	E200.7	04/10/08 20:16/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/04/08 01:01/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	04/04/08 01:01/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/04/08 01:01/eli-c
Iron	ND	mg/L		0.03		5	E200.7	04/10/08 20:16/eli-b
Lead	ND	mg/L		0.001		1	E200.8	04/04/08 01:01/eli-c
Manganese	0.04	mg/L		0.01		1	E200.8	04/04/08 01:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/04/08 01:01/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/04/08 01:01/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-001
Client Sample ID: DewBurd CHR05

Report Date: 07/29/08
Collection Date: 03/09/08 09:00
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	04/04/08 01:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/04/08 01:01/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/04/08 01:01/eli-c
Uranium	0.0039	mg/L		0.0003		1	E200.8	04/04/08 01:01/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/04/08 01:01/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/04/08 01:01/eli-c
METALS - SUSPENDED								
Thorium 232	0.003	mg/L		0.001		1	E200.8	03/28/08 18:18/eli-c
Uranium	0.0036	mg/L		0.0003		1	E200.8	03/28/08 18:18/eli-c
METALS - TOTAL								
Aluminum	8.8	mg/L		0.1		2	E200.7	04/12/08 01:49/eli-b
Arsenic	0.003	mg/L		0.001		1	E200.8	04/11/08 19:28/eli-b
Barium	ND	mg/L		0.1		1	E200.8	04/11/08 19:28/eli-b
Boron	0.1	mg/L		0.1		1	E200.8	04/11/08 19:28/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/11/08 19:28/eli-b
Chromium	ND	mg/L		0.05		1	E200.8	04/11/08 19:28/eli-b
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	03/10/08 00:00/jmh
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	05/08/08 10:46/krs
Copper	ND	mg/L		0.01		1	E200.8	04/11/08 19:28/eli-b
Iron	6.92	mg/L		0.03		2	E200.7	04/12/08 01:49/eli-b
Lead	0.006	mg/L		0.001		1	E200.8	04/11/08 19:28/eli-b
Manganese	0.21	mg/L		0.01		1	E200.8	04/11/08 19:28/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	04/11/08 19:28/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/11/08 19:28/eli-b
Nickel	ND	mg/L		0.05		1	E200.8	04/11/08 19:28/eli-b
Silver	ND	mg/L		0.005		1	E200.8	04/11/08 19:28/eli-b
Thorium 232	ND	mg/L		0.005		1	E200.8	04/11/08 19:28/eli-b
Uranium	0.0043	mg/L		0.0003		1	E200.8	04/11/08 19:28/eli-b
Vanadium	ND	mg/L		0.1		1	E200.8	04/11/08 19:28/eli-b
Zinc	0.03	mg/L		0.01		1	E200.8	04/11/08 19:28/eli-b
Calcium	148	mg/L		0.5		2	E200.7	04/12/08 01:49/eli-b
Magnesium	35.3	mg/L		0.5		2	E200.7	04/12/08 01:49/eli-b
Potassium	6.9	mg/L		0.5		2	E200.7	04/12/08 01:49/eli-b
Sodium	196	mg/L	D	2		2	E200.7	04/12/08 01:49/eli-b
Silica	48.3	mg/L		0.2		2	E200.7	04/12/08 01:49/eli-b

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-001
Client Sample ID: DewBurd CHR05

Report Date: 07/29/08
Collection Date: 03/09/08 09:00
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	03/19/08 11:07/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:10/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	03/19/08 11:29/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:33/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.07	pCi/L	U			1	E903.0	03/26/08 11:40/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	1.8	pCi/L				1	E903.0	04/01/08 11:46/eli-c
Radium 226 precision (±)	1	pCi/L				1	E903.0	04/01/08 11:46/eli-c
Radium 226 MDC	1.3	pCi/L				1	E903.0	04/01/08 11:46/eli-c
Thorium 230	1.4	pCi/L		0.2		1	E907.0	03/26/08 15:15/eli-c
Thorium 230 precision (±)	0.6	pCi/L				1	E907.0	03/26/08 15:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	4.0	pCi/L	U			1	E900.0	04/02/08 04:03/eli-c
Gross Alpha precision (±)	3.7	pCi/L				1	E900.0	04/02/08 04:03/eli-c
Gross Alpha MDC	5.7	pCi/L				1	E900.0	04/02/08 04:03/eli-c
Gross Beta	4.8	pCi/L	U			1	E900.0	04/02/08 04:03/eli-c
Gross Beta precision (±)	3.4	pCi/L				1	E900.0	04/02/08 04:03/eli-c
Gross Beta MDC	5.6	pCi/L				1	E900.0	04/02/08 04:03/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	03/14/08 16:57/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	03/14/08 16:57/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	1.8	pCi/L				1	E903.0	04/21/08 13:54/eli-c
Radium 226 precision (±)	1	pCi/L				1	E903.0	04/21/08 13:54/eli-c
Thorium 230	1.5	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.6	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-001
Client Sample ID: DewBurd CHR05

Report Date: 07/29/08
Collection Date: 03/09/08 09:00
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	03/24/08 12:27/eli-b
DATA QUALITY								
A/C Balance (± 5)	2.67	%				1	A1030 E	05/08/08 09:29/krs
Anions	18.1	meq/L				1	A1030 E	05/08/08 09:29/krs
Cations	19.1	meq/L				1	A1030 E	05/08/08 09:29/krs
Solids, Total Dissolved Calculated	1160	mg/L				1	A1030 E	05/08/08 09:29/krs
TDS Balance (0.80 - 1.20)	1.04	dec. %				1	A1030 E	05/08/08 09:29/krs

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-002
Client Sample ID: DewBurd BVC04

Report Date: 07/29/08
Collection Date: 03/09/08 11:05
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	32	CFU/100ml	D	4		4	A9222 D	03/10/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	118	mg/L		5		1	A2320 B	03/17/08 14:58/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/17/08 14:58/sn
Bicarbonate as HCO3	144	mg/L		5		1	A2320 B	03/17/08 14:58/sn
Calcium	225	mg/L		0.5		5	E200.7	04/10/08 20:36/eli-b
Chloride	339	mg/L	D	5		50	E300.0	03/12/08 10:25/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	03/12/08 10:41/jmh
Magnesium	53.3	mg/L		0.5		5	E200.7	04/10/08 20:36/eli-b
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/14/08 16:23/jmh
Nitrogen, Nitrate as N	0.5	mg/L		0.1		1	E300.0	03/12/08 10:41/jmh
Potassium	5	mg/L		1		5	E200.7	04/10/08 20:36/eli-b
Sodium	280	mg/L		0.5		5	E200.7	04/10/08 20:36/eli-b
Sulfate	681	mg/L	D	3		50	E300.0	03/12/08 10:25/jmh
Silica	7.4	mg/L		0.2		5	E200.7	04/10/08 20:36/eli-b
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2640	umhos/cm		5.0		1	A2510 B	03/12/08 15:30/jmh
pH	8.09	s.u.		0.01		1	A4500-H B	03/12/08 13:23/jmh
Sodium Adsorption Ratio (SAR)	4.3	Unitless		0.10		1	Calculation	04/10/08 20:36/krs
Solids, Suspended Sediment SSC @ 105 C	323	mg/L		5		1	D3977	03/10/08 12:22/jmh
Solids, Total Dissolved TDS @ 180 C	1800	mg/L		5		1	A2540 C	03/10/08 12:48/jmh
Solids, Total Suspended TSS @ 105 C	270	mg/L		5		1	A2540 D	03/11/08 14:11/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	04/10/08 20:36/eli-b
Arsenic	ND	mg/L		0.001		1	E200.8	04/04/08 01:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/04/08 01:08/eli-c
Boron	0.2	mg/L		0.1		5	E200.7	04/10/08 20:36/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/04/08 01:08/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	04/04/08 01:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/04/08 01:08/eli-c
Iron	ND	mg/L		0.03		5	E200.7	04/10/08 20:36/eli-b
Lead	ND	mg/L		0.001		1	E200.8	04/04/08 01:08/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	04/04/08 01:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/04/08 01:08/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/04/08 01:08/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-002
Client Sample ID: DewBurd BVC04

Report Date: 07/29/08
Collection Date: 03/09/08 11:05
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	04/04/08 01:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/04/08 01:08/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/04/08 01:08/eli-c
Uranium	0.0056	mg/L		0.0003		1	E200.8	04/04/08 01:08/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/04/08 01:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/04/08 01:08/eli-c
METALS - SUSPENDED								
Thorium 232	0.004	mg/L		0.001		1	E200.8	03/28/08 18:25/eli-c
Uranium	0.0014	mg/L		0.0003		1	E200.8	03/28/08 18:25/eli-c
METALS - TOTAL								
Aluminum	9.9	mg/L		0.1		2	E200.7	04/12/08 01:53/eli-b
Arsenic	0.004	mg/L		0.001		1	E200.8	04/11/08 20:08/eli-b
Barium	ND	mg/L		0.1		1	E200.8	04/11/08 20:08/eli-b
Boron	0.1	mg/L		0.1		1	E200.8	04/11/08 20:08/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/11/08 20:08/eli-b
Chromium	ND	mg/L		0.05		1	E200.8	04/11/08 20:08/eli-b
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	03/10/08 00:00/jmh
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	05/08/08 10:46/krs
Copper	ND	mg/L		0.01		1	E200.8	04/11/08 20:08/eli-b
Iron	8.65	mg/L		0.03		2	E200.7	04/12/08 01:53/eli-b
Lead	0.007	mg/L		0.001		1	E200.8	04/11/08 20:08/eli-b
Manganese	0.28	mg/L		0.01		1	E200.8	04/11/08 20:08/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	04/11/08 20:08/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/11/08 20:08/eli-b
Nickel	ND	mg/L		0.05		1	E200.8	04/11/08 20:08/eli-b
Silver	ND	mg/L		0.005		1	E200.8	04/11/08 20:08/eli-b
Thorium 232	0.005	mg/L		0.005		1	E200.8	04/11/08 20:08/eli-b
Uranium	0.0061	mg/L		0.0003		1	E200.8	04/11/08 20:08/eli-b
Vanadium	ND	mg/L		0.1		1	E200.8	04/11/08 20:08/eli-b
Zinc	0.06	mg/L		0.01		1	E200.8	04/11/08 20:08/eli-b
Calcium	217	mg/L		0.5		2	E200.7	04/12/08 01:53/eli-b
Magnesium	53.5	mg/L		0.5		2	E200.7	04/12/08 01:53/eli-b
Potassium	6.6	mg/L		0.5		2	E200.7	04/12/08 01:53/eli-b
Sodium	273	mg/L	D	2		2	E200.7	04/12/08 01:53/eli-b
Silica	54.5	mg/L		0.2		2	E200.7	04/12/08 01:53/eli-b

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-002
Client Sample ID: DewBurd BVC04

Report Date: 07/29/08
Collection Date: 03/09/08 11:05
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	03/19/08 11:13/eli-c
Selenium-IV	0.001	mg/L		0.001		1	A3114 B	03/19/08 09:16/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	03/19/08 11:35/eli-c
Selenium-IV	0.001	mg/L		0.001		1	A3114 B	03/19/08 09:40/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.08	pCi/L	U			1	E903.0	03/26/08 11:40/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	2.5	pCi/L	U			1	E903.0	05/16/08 09:52/eli-c
Radium 226 precision (±)	2.0	pCi/L				1	E903.0	05/16/08 09:52/eli-c
Radium 226 MDC	2.8	pCi/L				1	E903.0	05/16/08 09:52/eli-c
Thorium 230	0.3	pCi/L	U	0.2		1	E907.0	03/26/08 15:15/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	03/26/08 15:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	6.7	pCi/L	U			1	E900.0	04/02/08 20:04/eli-c
Gross Alpha precision (±)	5.4	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Alpha MDC	8.2	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta	-2	pCi/L	U			1	E900.0	04/02/08 20:04/eli-c
Gross Beta precision (±)	4.2	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta MDC	7.1	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	03/14/08 16:57/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	03/14/08 16:57/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.1	pCi/L	U			1	E903.0	04/21/08 13:54/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	04/21/08 13:54/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-002
Client Sample ID: DewBurd BVC04

Report Date: 07/29/08
Collection Date: 03/09/08 11:05
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	03/24/08 12:29/eli-b
DATA QUALITY								
A/C Balance (± 5)	3.30	%				1	A1030 E	05/08/08 09:39/krs
Anions	26.1	meq/L				1	A1030 E	05/08/08 09:39/krs
Cations	27.9	meq/L				1	A1030 E	05/08/08 09:39/krs
Solids, Total Dissolved Calculated	1680	mg/L				1	A1030 E	05/08/08 09:39/krs
TDS Balance (0.80 - 1.20)	1.06	dec. %				1	A1030 E	05/08/08 09:39/krs

Report Definitions:
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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-003
Client Sample ID: DewBurd BVC04

Report Date: 07/29/08
Collection Date: 03/09/08 11:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	36	CFU/100ml	D	4		4	A9222 D	03/10/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	116	mg/L		5		1	A2320 B	03/17/08 15:00/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/17/08 15:00/sn
Bicarbonate as HCO3	141	mg/L		5		1	A2320 B	03/17/08 15:00/sn
Calcium	220	mg/L		0.5		5	E200.7	04/10/08 20:45/eli-b
Chloride	364	mg/L	D	5		50	E300.0	03/12/08 10:57/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	03/12/08 11:13/jmh
Magnesium	51.9	mg/L		0.5		5	E200.7	04/10/08 20:45/eli-b
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/14/08 16:24/jmh
Nitrogen, Nitrate as N	0.5	mg/L		0.1		1	E300.0	03/12/08 11:13/jmh
Potassium	5	mg/L		1		5	E200.7	04/10/08 20:45/eli-b
Sodium	266	mg/L		0.5		5	E200.7	04/10/08 20:45/eli-b
Sulfate	736	mg/L	D	3		50	E300.0	03/12/08 10:57/jmh
Silica	7.2	mg/L		0.2		5	E200.7	04/10/08 20:45/eli-b
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2510	umhos/cm		5.0		1	A2510 B	03/12/08 15:29/jmh
pH	7.90	s.u.		0.01		1	A4500-H B	03/12/08 13:23/jmh
Sodium Adsorption Ratio (SAR)	4.2	Unitless		0.10		1	Calculation	04/10/08 20:45/krs
Solids, Suspended Sediment SSC @ 105 C	326	mg/L		5		1	D3977	03/10/08 12:22/jmh
Solids, Total Dissolved TDS @ 180 C	1800	mg/L		5		1	A2540 C	03/10/08 12:48/jmh
Solids, Total Suspended TSS @ 105 C	290	mg/L		5		1	A2540 D	03/11/08 14:12/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	04/10/08 20:45/eli-b
Arsenic	ND	mg/L		0.001		1	E200.8	04/04/08 01:15/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/04/08 01:15/eli-c
Boron	0.1	mg/L		0.1		5	E200.7	04/10/08 20:45/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/04/08 01:15/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	04/04/08 01:15/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/04/08 01:15/eli-c
Iron	ND	mg/L		0.03		5	E200.7	04/10/08 20:45/eli-b
Lead	ND	mg/L		0.001		1	E200.8	04/04/08 01:15/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	04/04/08 01:15/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/04/08 01:15/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/04/08 01:15/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-003
Client Sample ID: DewBurd BVC04

Report Date: 07/29/08
Collection Date: 03/09/08 11:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	04/04/08 01:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/04/08 01:15/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/04/08 01:15/eli-c
Uranium	0.0055	mg/L		0.0003		1	E200.8	04/04/08 01:15/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/04/08 01:15/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/04/08 01:15/eli-c
METALS - SUSPENDED								
Thorium 232	0.004	mg/L		0.001		1	E200.8	03/28/08 18:31/eli-c
Uranium	0.0011	mg/L		0.0003		1	E200.8	03/28/08 18:31/eli-c
METALS - TOTAL								
Aluminum	8.3	mg/L		0.1		2	E200.7	04/12/08 01:57/eli-b
Arsenic	0.004	mg/L		0.001		1	E200.8	04/11/08 20:22/eli-b
Barium	ND	mg/L		0.1		1	E200.8	04/11/08 20:22/eli-b
Boron	0.1	mg/L		0.1		1	E200.8	04/11/08 20:22/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/11/08 20:22/eli-b
Chromium	ND	mg/L		0.05		1	E200.8	04/11/08 20:22/eli-b
Chromium, Hexavalent	0.008	mg/L		0.005		1	A3500-Cr B	03/10/08 00:00/jmh
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	05/08/08 10:46/krs
Copper	ND	mg/L		0.01		1	E200.8	04/11/08 20:22/eli-b
Iron	8.28	mg/L		0.03		2	E200.7	04/12/08 01:57/eli-b
Lead	0.008	mg/L		0.001		1	E200.8	04/11/08 20:22/eli-b
Manganese	0.29	mg/L		0.01		1	E200.8	04/11/08 20:22/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	04/11/08 20:22/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/11/08 20:22/eli-b
Nickel	ND	mg/L		0.05		1	E200.8	04/11/08 20:22/eli-b
Silver	ND	mg/L		0.005		1	E200.8	04/11/08 20:22/eli-b
Thorium 232	ND	mg/L		0.005		1	E200.8	04/11/08 20:22/eli-b
Uranium	0.0062	mg/L		0.0003		1	E200.8	04/11/08 20:22/eli-b
Vanadium	ND	mg/L		0.1		1	E200.8	04/11/08 20:22/eli-b
Zinc	0.04	mg/L		0.01		1	E200.8	04/11/08 20:22/eli-b
Calcium	223	mg/L		0.5		2	E200.7	04/12/08 01:57/eli-b
Magnesium	54.8	mg/L		0.5		2	E200.7	04/12/08 01:57/eli-b
Potassium	6.4	mg/L		0.5		2	E200.7	04/12/08 01:57/eli-b
Sodium	277	mg/L	D	2		2	E200.7	04/12/08 01:57/eli-b
Silica	46.3	mg/L		0.2		2	E200.7	04/12/08 01:57/eli-b

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D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-003
Client Sample ID: DewBurd BVC04

Report Date: 07/29/08
Collection Date: 03/09/08 11:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	03/19/08 11:16/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:18/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	03/19/08 11:38/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:42/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.06	pCi/L	U			1	E903.0	03/26/08 11:40/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.3	pCi/L	U			1	E903.0	05/16/08 11:48/eli-c
Radium 226 precision (±)	1.4	pCi/L				1	E903.0	05/16/08 11:48/eli-c
Radium 226 MDC	2.6	pCi/L				1	E903.0	05/16/08 11:48/eli-c
Thorium 230	1	pCi/L		0.2		1	E907.0	04/02/08 15:30/eli-c
Thorium 230 precision (±)	0.6	pCi/L				1	E907.0	04/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	8.8	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Alpha precision (±)	5.7	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Alpha MDC	8.5	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta	2.9	pCi/L	U			1	E900.0	04/02/08 20:04/eli-c
Gross Beta precision (±)	4.3	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta MDC	7.1	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	03/14/08 16:57/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	03/14/08 16:57/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	-0.2	pCi/L	U			1	E903.0	04/20/08 17:48/eli-c
Radium 226 precision (±)	1.4	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Thorium 230	1.0	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.6	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-003
Client Sample ID: DewBurd BVC04

Report Date: 07/29/08
Collection Date: 03/09/08 11:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	03/24/08 12:32/eli-b
DATA QUALITY								
A/C Balance (± 5)	-1.79	%				1	A1030 E	05/08/08 09:40/krs
Anions	27.9	meq/L				1	A1030 E	05/08/08 09:40/krs
Cations	27.0	meq/L				1	A1030 E	05/08/08 09:40/krs
Solids, Total Dissolved Calculated	1730	mg/L				1	A1030 E	05/08/08 09:40/krs
TDS Balance (0.80 - 1.20)	1.02	dec. %				1	A1030 E	05/08/08 09:40/krs

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-004
Client Sample ID: DewBurd CHR01

Report Date: 07/29/08
Collection Date: 03/09/08 14:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	20	CFU/100ml	D	4		4	A9222 D	03/10/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	92	mg/L		5		1	A2320 B	03/17/08 15:02/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/17/08 15:02/sn
Bicarbonate as HCO3	112	mg/L		5		1	A2320 B	03/17/08 15:02/sn
Calcium	155	mg/L		0.5		5	E200.7	04/10/08 20:49/eli-b
Chloride	249	mg/L	D	5		50	E300.0	03/12/08 11:29/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	03/12/08 11:45/jmh
Magnesium	36.0	mg/L		0.5		5	E200.7	04/10/08 20:49/eli-b
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/14/08 16:25/jmh
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	03/12/08 11:45/jmh
Potassium	5	mg/L		1		5	E200.7	04/10/08 20:49/eli-b
Sodium	189	mg/L		0.5		5	E200.7	04/10/08 20:49/eli-b
Sulfate	572	mg/L	D	3		50	E300.0	03/12/08 11:29/jmh
Silica	5.6	mg/L		0.2		5	E200.7	04/10/08 20:49/eli-b
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1860	umhos/cm		5.0		1	A2510 B	03/12/08 00:00/jmh
pH	7.78	s.u.		0.01		1	A4500-H B	03/12/08 13:24/jmh
Sodium Adsorption Ratio (SAR)	3.5	Unitless		0.10		1	Calculation	04/10/08 20:49/krs
Solids, Suspended Sediment SSC @ 105 C	424	mg/L		5		1	D3977	03/10/08 12:22/jmh
Solids, Total Dissolved TDS @ 180 C	1300	mg/L		5		1	A2540 C	03/10/08 11:49/jmh
Solids, Total Suspended TSS @ 105 C	400	mg/L		5		1	A2540 D	03/11/08 14:12/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	04/10/08 20:49/eli-b
Arsenic	ND	mg/L		0.001		1	E200.8	04/04/08 01:21/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/04/08 01:21/eli-c
Boron	0.1	mg/L		0.1		5	E200.7	04/10/08 20:49/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/04/08 01:21/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	04/04/08 01:21/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/04/08 01:21/eli-c
Iron	ND	mg/L		0.03		5	E200.7	04/10/08 20:49/eli-b
Lead	ND	mg/L		0.001		1	E200.8	04/04/08 01:21/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	04/04/08 01:21/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/04/08 01:21/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/04/08 01:21/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-004
Client Sample ID: DewBurd CHR01

Report Date: 07/29/08
Collection Date: 03/09/08 14:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	04/04/08 01:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/04/08 01:21/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/04/08 01:21/eli-c
Uranium	0.0034	mg/L		0.0003		1	E200.8	04/04/08 01:21/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/04/08 01:21/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/04/08 01:21/eli-c
METALS - SUSPENDED								
Thorium 232	0.005	mg/L		0.001		1	E200.8	03/28/08 18:38/eli-c
Uranium	0.0020	mg/L		0.0003		1	E200.8	03/28/08 18:38/eli-c
METALS - TOTAL								
Aluminum	8.4	mg/L		0.1		2	E200.7	04/12/08 02:01/eli-b
Arsenic	0.004	mg/L		0.001		1	E200.8	04/11/08 20:35/eli-b
Barium	ND	mg/L		0.1		1	E200.8	04/11/08 20:35/eli-b
Boron	ND	mg/L		0.1		1	E200.8	04/11/08 20:35/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/11/08 20:35/eli-b
Chromium	ND	mg/L		0.05		1	E200.8	04/11/08 20:35/eli-b
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	03/10/08 00:00/jmh
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	05/08/08 10:46/krs
Copper	0.01	mg/L		0.01		1	E200.8	04/11/08 20:35/eli-b
Iron	9.12	mg/L		0.03		2	E200.7	04/12/08 02:01/eli-b
Lead	0.008	mg/L		0.001		1	E200.8	04/11/08 20:35/eli-b
Manganese	0.33	mg/L		0.01		1	E200.8	04/11/08 20:35/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	04/11/08 20:35/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/11/08 20:35/eli-b
Nickel	ND	mg/L		0.05		1	E200.8	04/11/08 20:35/eli-b
Silver	ND	mg/L		0.005		1	E200.8	04/11/08 20:35/eli-b
Thorium 232	ND	mg/L		0.005		1	E200.8	04/11/08 20:35/eli-b
Uranium	0.0043	mg/L		0.0003		1	E200.8	04/11/08 20:35/eli-b
Vanadium	ND	mg/L		0.1		1	E200.8	04/11/08 20:35/eli-b
Zinc	0.05	mg/L		0.01		1	E200.8	04/11/08 20:35/eli-b
Calcium	160	mg/L		0.5		2	E200.7	04/12/08 02:01/eli-b
Magnesium	38.4	mg/L		0.5		2	E200.7	04/12/08 02:01/eli-b
Potassium	6.7	mg/L		0.5		2	E200.7	04/12/08 02:01/eli-b
Sodium	191	mg/L	D	2		2	E200.7	04/12/08 02:01/eli-b
Silica	45.4	mg/L		0.2		2	E200.7	04/12/08 02:01/eli-b

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-004
Client Sample ID: DewBurd CHR01

Report Date: 07/29/08
Collection Date: 03/09/08 14:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	03/19/08 11:18/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:21/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	03/19/08 11:40/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:45/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.2	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	1.2	pCi/L	U			1	E903.0	04/01/08 13:23/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	04/01/08 13:23/eli-c
Radium 226 MDC	1.3	pCi/L				1	E903.0	04/01/08 13:23/eli-c
Thorium 230	0.8	pCi/L		0.2		1	E907.0	03/26/08 15:15/eli-c
Thorium 230 precision (±)	0.5	pCi/L				1	E907.0	03/26/08 15:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	5.1	pCi/L	U			1	E900.0	04/02/08 20:04/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Alpha MDC	6.0	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta	4.8	pCi/L	U			1	E900.0	04/02/08 20:04/eli-c
Gross Beta precision (±)	3.4	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta MDC	5.6	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	03/14/08 16:57/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	03/14/08 16:57/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	1.5	pCi/L				1	E903.0	04/21/08 13:54/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	04/21/08 13:54/eli-c
Thorium 230	0.8	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.5	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-004
Client Sample ID: DewBurd CHR01

Report Date: 07/29/08
Collection Date: 03/09/08 14:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	03/24/08 12:34/eli-b
DATA QUALITY								
A/C Balance (± 5)	-4.49	%				1	A1030 E	05/09/08 07:35/krs
Anions	20.8	meq/L				1	A1030 E	05/09/08 07:35/krs
Cations	19.0	meq/L				1	A1030 E	05/09/08 07:35/krs
Solids, Total Dissolved Calculated	1280	mg/L				1	A1030 E	05/09/08 07:35/krs
TDS Balance (0.80 - 1.20)	0.980	dec. %				1	A1030 E	05/09/08 07:35/krs

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-005
Client Sample ID: DewBurd BVC01

Report Date: 07/29/08
Collection Date: 03/09/08 15:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	03/10/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	214	mg/L		5		1	A2320 B	03/17/08 15:04/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/17/08 15:04/sn
Bicarbonate as HCO3	261	mg/L		5		1	A2320 B	03/17/08 15:04/sn
Calcium	308	mg/L		0.5		5	E200.7	04/10/08 20:53/eli-b
Chloride	113	mg/L	D	5		50	E300.0	03/12/08 12:01/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	03/12/08 12:17/jmh
Magnesium	129	mg/L		0.5		5	E200.7	04/10/08 20:53/eli-b
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/14/08 16:26/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/12/08 12:17/jmh
Potassium	12	mg/L		1		5	E200.7	04/10/08 20:53/eli-b
Sodium	864	mg/L		0.5		5	E200.7	04/10/08 20:53/eli-b
Sulfate	2490	mg/L	D	3		50	E300.0	03/12/08 12:01/jmh
Silica	6.9	mg/L		0.2		5	E200.7	04/10/08 20:53/eli-b
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5000	umhos/cm		5.0		1	A2510 B	03/12/08 15:31/jmh
pH	8.10	s.u.		0.01		1	A4500-H B	03/12/08 13:25/jmh
Sodium Adsorption Ratio (SAR)	10	Unitless		0.10		1	Calculation	04/10/08 20:53/krs
Solids, Suspended Sediment SSC @ 105 C	11	mg/L		5		1	D3977	03/10/08 12:23/jmh
Solids, Total Dissolved TDS @ 180 C	4300	mg/L		5		1	A2540 C	03/10/08 11:50/jmh
Solids, Total Suspended TSS @ 105 C	12	mg/L		5		1	A2540 D	03/11/08 14:13/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	04/10/08 20:53/eli-b
Arsenic	ND	mg/L		0.001		1	E200.8	04/04/08 01:28/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/04/08 01:28/eli-c
Boron	0.2	mg/L		0.1		5	E200.7	04/10/08 20:53/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/04/08 01:28/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	04/04/08 01:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/04/08 01:28/eli-c
Iron	ND	mg/L		0.03		5	E200.7	04/10/08 20:53/eli-b
Lead	ND	mg/L		0.001		1	E200.8	04/04/08 01:28/eli-c
Manganese	0.32	mg/L		0.01		1	E200.8	04/04/08 01:28/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/04/08 01:28/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/04/08 01:28/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-005
Client Sample ID: DewBurd BVC01

Report Date: 07/29/08
Collection Date: 03/09/08 15:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	0.01	mg/L		0.01		1	E200.8	04/04/08 01:28/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/04/08 01:28/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/04/08 01:28/eli-c
Uranium	0.0269	mg/L		0.0003		1	E200.8	04/04/08 01:28/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/04/08 01:28/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/04/08 01:28/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	03/28/08 18:45/eli-c
Uranium	0.0009	mg/L		0.0003		1	E200.8	03/28/08 18:45/eli-c
METALS - TOTAL								
Aluminum	0.3	mg/L		0.1		2	E200.7	04/12/08 02:13/eli-b
Arsenic	ND	mg/L		0.001		1	E200.8	04/11/08 20:49/eli-b
Barium	ND	mg/L		0.1		1	E200.8	04/11/08 20:49/eli-b
Boron	0.2	mg/L		0.1		2	E200.7	04/12/08 02:13/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/11/08 20:49/eli-b
Chromium	ND	mg/L		0.05		1	E200.8	04/11/08 20:49/eli-b
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	03/10/08 00:00/jmh
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	05/08/08 10:46/krs
Copper	ND	mg/L		0.01		1	E200.8	04/11/08 20:49/eli-b
Iron	0.44	mg/L		0.03		2	E200.7	04/12/08 02:13/eli-b
Lead	ND	mg/L		0.001		1	E200.8	04/11/08 20:49/eli-b
Manganese	0.36	mg/L		0.01		1	E200.8	04/11/08 20:49/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	04/11/08 20:49/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/11/08 20:49/eli-b
Nickel	ND	mg/L		0.05		1	E200.8	04/11/08 20:49/eli-b
Silver	ND	mg/L		0.005		1	E200.8	04/11/08 20:49/eli-b
Thorium 232	ND	mg/L		0.005		1	E200.8	04/11/08 20:49/eli-b
Uranium	0.0262	mg/L		0.0003		1	E200.8	04/11/08 20:49/eli-b
Vanadium	ND	mg/L		0.1		1	E200.8	04/11/08 20:49/eli-b
Zinc	ND	mg/L		0.01		1	E200.8	04/11/08 20:49/eli-b
Calcium	295	mg/L		0.5		2	E200.7	04/12/08 02:13/eli-b
Magnesium	127	mg/L		0.5		2	E200.7	04/12/08 02:13/eli-b
Potassium	11.3	mg/L		0.5		2	E200.7	04/12/08 02:13/eli-b
Sodium	876	mg/L	D	2		2	E200.7	04/12/08 02:13/eli-b
Silica	8.2	mg/L		0.2		2	E200.7	04/12/08 02:13/eli-b

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D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-005
Client Sample ID: DewBurd BVC01

Report Date: 07/29/08
Collection Date: 03/09/08 15:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	03/19/08 11:20/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:23/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	03/19/08 11:42/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:47/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	-0.02	pCi/L	U			1	E903.0	03/26/08 11:40/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	03/26/08 11:40/eli-c
Thorium 230	0.0	pCi/L		0.2		1	E907.0	04/04/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/04/08 15:30/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.7	pCi/L	U			1	E903.0	04/01/08 13:23/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/01/08 13:23/eli-c
Radium 226 MDC	1.2	pCi/L				1	E903.0	04/01/08 13:23/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	03/26/08 15:15/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	03/26/08 15:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	17.4	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Alpha precision (±)	11.6	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Alpha MDC	17.2	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta	12.5	pCi/L	U			1	E900.0	04/02/08 20:04/eli-c
Gross Beta precision (±)	11.2	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta MDC	18.4	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	03/14/08 16:57/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	03/14/08 16:57/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	-0.7	pCi/L	U			1	E903.0	04/21/08 13:54/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	04/21/08 13:54/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-005
Client Sample ID: DewBurd BVC01

Report Date: 07/29/08
Collection Date: 03/09/08 15:15
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	03/24/08 12:37/eli-b
DATA QUALITY								
A/C Balance (± 5)	3.65	%				1	A1030 E	05/09/08 07:49/krs
Anions	59.4	meq/L				1	A1030 E	05/09/08 07:49/krs
Cations	63.9	meq/L				1	A1030 E	05/09/08 07:49/krs
Solids, Total Dissolved Calculated	4070	mg/L				1	A1030 E	05/09/08 07:49/krs
TDS Balance (0.80 - 1.20)	1.04	dec. %				1	A1030 E	05/09/08 07:49/krs

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-006
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 03/09/08 17:35
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	03/10/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	03/17/08 15:06/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/17/08 15:06/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	03/17/08 15:06/sn
Calcium	ND	mg/L		0.5		5	E200.7	04/10/08 20:57/eli-b
Chloride	ND	mg/L		1		1	E300.0	03/12/08 13:04/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	03/12/08 13:04/jmh
Magnesium	ND	mg/L		0.5		5	E200.7	04/10/08 20:57/eli-b
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/14/08 16:27/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/12/08 13:04/jmh
Potassium	ND	mg/L		1		5	E200.7	04/10/08 20:57/eli-b
Sodium	ND	mg/L		0.5		5	E200.7	04/10/08 20:57/eli-b
Sulfate	ND	mg/L		1		1	E300.0	03/12/08 13:04/jmh
Silica	ND	mg/L		0.2		5	E200.7	04/10/08 20:57/eli-b
PHYSICAL PROPERTIES								
Conductivity @ 25 C	12.4	umhos/cm		5.0		1	A2510 B	03/12/08 15:33/jmh
pH	6.41	s.u.		0.01		1	A4500-H B	03/12/08 13:28/jmh
Sodium Adsorption Ratio (SAR)	ND	Unitless		0.10		1	Calculation	04/10/08 20:57/krs
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	03/10/08 12:23/jmh
Solids, Total Dissolved TDS @ 180 C	6	mg/L		5		1	A2540 C	03/10/08 11:50/jmh
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	03/11/08 14:14/jmh
TDS results confirmed								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		5	E200.7	04/10/08 20:57/eli-b
Arsenic	ND	mg/L		0.001		1	E200.8	04/04/08 01:35/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/04/08 01:35/eli-c
Boron	ND	mg/L		0.1		5	E200.7	04/10/08 20:57/eli-b
Cadmium	ND	mg/L		0.005		1	E200.8	04/04/08 01:35/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	04/04/08 01:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/04/08 01:35/eli-c
Iron	ND	mg/L		0.03		5	E200.7	04/10/08 20:57/eli-b
Lead	ND	mg/L		0.001		1	E200.8	04/04/08 01:35/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	04/04/08 01:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/04/08 01:35/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/04/08 01:35/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.
D - RL increased due to sample matrix interference.

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-006
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 03/09/08 17:35
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	04/04/08 01:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/04/08 01:35/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/04/08 01:35/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/04/08 01:35/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/04/08 01:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/04/08 01:35/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	03/28/08 18:51/eli-c
Uranium	0.0036	mg/L		0.0003		1	E200.8	03/28/08 18:51/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		5	E200.7	04/11/08 02:44/eli-b
Arsenic	ND	mg/L		0.001		1	E200.8	04/11/08 21:02/eli-b
Barium	ND	mg/L		0.1		5	E200.7	04/11/08 02:44/eli-b
Boron	ND	mg/L		0.1		5	E200.7	04/11/08 02:44/eli-b
Cadmium	ND	mg/L		0.005		5	E200.7	04/11/08 02:44/eli-b
Chromium	ND	mg/L		0.05		5	E200.7	04/11/08 02:44/eli-b
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	03/10/08 00:00/jmh
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	05/08/08 10:46/krs
Copper	ND	mg/L		0.01		5	E200.7	04/11/08 02:44/eli-b
Iron	ND	mg/L		0.03		5	E200.7	04/11/08 02:44/eli-b
Lead	ND	mg/L		0.001		1	E200.8	04/11/08 21:02/eli-b
Manganese	ND	mg/L		0.01		5	E200.7	04/11/08 02:44/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	04/11/08 21:02/eli-b
Molybdenum	ND	mg/L		0.1		5	E200.7	04/11/08 02:44/eli-b
Nickel	ND	mg/L		0.05		5	E200.7	04/11/08 02:44/eli-b
Silver	ND	mg/L		0.005		1	E200.8	04/11/08 21:02/eli-b
Thorium 232	ND	mg/L		0.005		1	E200.8	04/11/08 21:02/eli-b
Uranium	ND	mg/L		0.0003		1	E200.8	04/11/08 21:02/eli-b
Vanadium	ND	mg/L		0.1		5	E200.7	04/11/08 02:44/eli-b
Zinc	ND	mg/L		0.01		5	E200.7	04/11/08 02:44/eli-b
Calcium	ND	mg/L		0.5		5	E200.7	04/11/08 02:44/eli-b
Magnesium	ND	mg/L		0.5		5	E200.7	04/11/08 02:44/eli-b
Potassium	ND	mg/L		0.5		5	E200.7	04/11/08 02:44/eli-b
Sodium	ND	mg/L		0.5		1	E200.8	04/11/08 21:02/eli-b
Silica	ND	mg/L		0.2		5	E200.7	04/11/08 02:44/eli-b

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-006
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 03/09/08 17:35
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	03/19/08 11:22/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:25/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	03/19/08 11:44/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	03/19/08 09:49/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	03/19/08 12:04/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	-0.09	pCi/L	U			1	E903.0	03/26/08 15:32/eli-c
Radium 226 precision (±)	0.08	pCi/L				1	E903.0	03/26/08 15:32/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	03/26/08 15:32/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	0.7	pCi/L	U			1	E903.0	04/01/08 13:23/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	04/01/08 13:23/eli-c
Radium 226 MDC	1.2	pCi/L				1	E903.0	04/01/08 13:23/eli-c
Thorium 230	1.8	pCi/L		0.2		1	E907.0	03/26/08 15:15/eli-c
Thorium 230 precision (±)	0.8	pCi/L				1	E907.0	03/26/08 15:15/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	-0.2	pCi/L	U			1	E900.0	04/02/08 20:04/eli-c
Gross Alpha precision (±)	0.6	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Alpha MDC	1.1	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta	-1	pCi/L	U			1	E900.0	04/02/08 20:04/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Beta MDC	2.6	pCi/L				1	E900.0	04/02/08 20:04/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	03/14/08 16:57/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	03/14/08 16:57/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.6	pCi/L	U			1	E903.0	04/21/08 13:54/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	04/21/08 13:54/eli-c
Thorium 230	1.8	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.8	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030091-006
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 03/09/08 17:35
Date Received: 03/10/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	03/24/08 12:39/eli-b
DATA QUALITY								
A/C Balance (± 5)	1.49	%				1	A1030 E	05/09/08 08:00/krs
Anions	0.00705	meq/L				1	A1030 E	05/09/08 08:00/krs
Cations	0.00727	meq/L				1	A1030 E	05/09/08 08:00/krs

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080317A-ALK-SEL-W	
Sample ID: MBLK1_080317A	Method Blank				Run: PH_COND1-R_080317A			03/17/08 14:21	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_080317A	Laboratory Control Sample				Run: PH_COND1-R_080317A			03/17/08 14:23	
Alkalinity, Total as CaCO3	1000	mg/L	5.0	102	90	110			
Sample ID: R08030091-001CMS	Sample Matrix Spike				Run: PH_COND1-R_080317A			03/17/08 14:53	
Alkalinity, Total as CaCO3	202	mg/L	5.0	104	80	120			
Sample ID: R08030091-001CMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080317A			03/17/08 14:55	
Alkalinity, Total as CaCO3	202	mg/L	5.0	104	80	120	0.0	10	
Method: A2510 B								Batch: 080312_1_COND-PROBE-W	
Sample ID: LCS1-1_080312	Laboratory Control Sample				Run: PH_COND2-R_080312A			03/12/08 15:17	
Conductivity @ 25 C	147	umhos/cm	5.0	98	90	110			
Sample ID: LCS2-1_080312	Laboratory Control Sample				Run: PH_COND2-R_080312A			03/12/08 15:25	
Conductivity @ 25 C	5000	umhos/cm	5.0	100	90	110			
Sample ID: LCS_COND-1_080312	Laboratory Control Sample				Run: PH_COND2-R_080312A			03/12/08 15:38	
Conductivity @ 25 C	1500	umhos/cm	5.0	106	90	110			
Sample ID: MBLK-1_080312	Method Blank				Run: PH_COND2-R_080312A			03/12/08 15:21	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08030091-001CDUP	Sample Duplicate				Run: PH_COND2-R_080312A			03/12/08 15:30	
Conductivity @ 25 C	1860	umhos/cm	5.0				2.7	10	
Method: A2540 C								Batch: 080310A-SLDS-TDS-W	
Sample ID: MBLK1_080310A	Method Blank				Run: BAL-4-R_080310B			03/10/08 12:26	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080310A	Laboratory Control Sample				Run: BAL-4-R_080310B			03/10/08 12:26	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	105	90	110			
Sample ID: R08030071-001BMS	Sample Matrix Spike				Run: BAL-4-R_080310B			03/10/08 12:43	
Solids, Total Dissolved TDS @ 180 C	3000	mg/L	5.0	110	80	120			
Sample ID: R08030071-001BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080310B			03/10/08 12:44	
Solids, Total Dissolved TDS @ 180 C	3000	mg/L	5.0	114	80	120	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080311A-SLDS-TSS-W	
Sample ID: MBLK1_080311A	Method Blank				Run: BAL-4-R_080311A			03/11/08 14:06	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_080311A	Laboratory Control Sample				Run: BAL-4-R_080311A			03/11/08 14:06	
Solids, Total Suspended TSS @ 105 C	200	mg/L	5.0	101	85	115			
Sample ID: R08030091-004CDUP	Sample Duplicate				Run: BAL-4-R_080311A			03/11/08 14:13	
Solids, Total Suspended TSS @ 105 C	410	mg/L	5.0				3.0	20	
Method: A3114 B								Batch: C_SE-3114-080319A	
Sample ID: MBLK	Method Blank				Run: SUB-C98303			03/19/08 11:03	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-48-5	Laboratory Control Sample				Run: SUB-C98303			03/19/08 11:05	
Selenium	0.051	mg/L	0.0010	101	90	110			
Sample ID: R08030091-001A	Sample Matrix Spike				Run: SUB-C98303			03/19/08 11:09	
Selenium	0.051	mg/L	0.0010	99	85	115			
Sample ID: R08030091-001A	Sample Matrix Spike Duplicate				Run: SUB-C98303			03/19/08 11:11	
Selenium	0.052	mg/L	0.0010	101	85	115	1.7	10	
Sample ID: R08030091-001H	Sample Matrix Spike				Run: SUB-C98303			03/19/08 11:31	
Selenium	0.055	mg/L	0.0010	105	85	115			
Sample ID: R08030091-001H	Sample Matrix Spike Duplicate				Run: SUB-C98303			03/19/08 11:33	
Selenium	0.055	mg/L	0.0010	105	85	115	0.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV-3114-031908A	
Sample ID: MBLK	Method Blank				Run: SUB-C98302				03/19/08 09:05
Selenium-IV	0.0003	mg/L	6E-05						
Sample ID: 288-40-5	Laboratory Control Sample				Run: SUB-C98302				03/19/08 09:08
Selenium-IV	0.047	mg/L	0.0010	94	90	110			
Sample ID: R08030091-001A	Sample Matrix Spike				Run: SUB-C98302				03/19/08 09:12
Selenium-IV	0.045	mg/L	0.0010	89	85	115			
Sample ID: R08030091-001A	Sample Matrix Spike Duplicate				Run: SUB-C98302				03/19/08 09:14
Selenium-IV	0.049	mg/L	0.0010	96	85	115	7.6	10	
Sample ID: R08030091-001H	Sample Matrix Spike				Run: SUB-C98302				03/19/08 09:35
Selenium-IV	0.041	mg/L	0.0010	81	85	115			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: R08030091-001H	Sample Matrix Spike Duplicate				Run: SUB-C98302				03/19/08 09:38
Selenium-IV	0.042	mg/L	0.0010	84	85	115	3.8	10	S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B								Batch: 080310-CR-HEX-W	
Sample ID: MBLK	Method Blank				Run: SPEC1_080310A			03/10/08 00:00	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_080310A			03/10/08 00:00	
Chromium, Hexavalent	0.21	mg/L	0.0050	104	80	120			
Sample ID: R08030091-001E	Sample Matrix Spike				Run: SPEC1_080310A			03/10/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	93	80	120			
Sample ID: R08030091-002E	Sample Matrix Spike				Run: SPEC1_080310A			03/10/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	95	80	120			
Sample ID: R08030091-003E	Sample Duplicate				Run: SPEC1_080310A			03/10/08 00:00	
Chromium, Hexavalent	0.012	mg/L	0.0050				40	10	R
Sample ID: R08030091-003E	Sample Matrix Spike				Run: SPEC1_080310A			03/10/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	91	80	120			
Sample ID: R08030091-004E	Sample Matrix Spike				Run: SPEC1_080310A			03/10/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	95	80	120			
Sample ID: R08030091-005E	Sample Matrix Spike				Run: SPEC1_080310A			03/10/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	93	80	120			
Sample ID: R08030091-006E	Sample Matrix Spike				Run: SPEC1_080310A			03/10/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	100	80	120			
Method: A4500-H B								Batch: 080312_1_PH-W	
Sample ID: LCS_pH-1_080312	Laboratory Control Sample				Run: PH_COND2-R_080312A			03/12/08 12:46	
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08030091-001CDUP	Sample Duplicate				Run: PH_COND2-R_080312A			03/12/08 12:48	
pH	7.69	s.u.	0.010				0.3	1.25	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-03-14_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080314A			03/14/08 14:45	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080314A			03/14/08 14:46	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080314A			03/14/08 14:47	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: R08030073-004BDUP	Sample Duplicate				Run: TECHAA2-R_080314A			03/14/08 16:17	
Nitrogen, Ammonia as N	23000	mg/L	530				1.5	10	
Sample ID: R08030152-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080314A			03/14/08 16:32	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	80	120			
Sample ID: R08030152-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080314A			03/14/08 16:33	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	99	80	120	4.5	10	
Method: A9222 D								Batch: 080310-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080310A			03/10/08 11:00	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_B_R109010	
Sample ID: MB-SPDIS080410A	Method Blank				Run: SUB-C99497			04/10/08 16:42	
Aluminum	ND	mg/L	0.007						
Barium	0.0003	mg/L	0.0001						
Boron	0.02	mg/L	0.005						
Cadmium	0.0009	mg/L	0.0003						
Calcium	0.04	mg/L	0.009						
Chromium	ND	mg/L	0.002						
Copper	ND	mg/L	0.001						
Iron	ND	mg/L	0.002						
Magnesium	ND	mg/L	0.01						
Manganese	ND	mg/L	0.0002						
Molybdenum	0.008	mg/L	0.008						
Nickel	ND	mg/L	0.001						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.2						
Vanadium	ND	mg/L	0.001						
Zinc	0.001	mg/L	0.0004						
Sample ID: LFB-SPDIS080410A	Laboratory Fortified Blank				Run: SUB-C99497			04/10/08 16:46	
Aluminum	5.1	mg/L	0.10	102	85	115			
Barium	1.0	mg/L	0.10	104	85	115			
Boron	1.0	mg/L	0.10	99	85	115			
Cadmium	0.51	mg/L	0.010	101	85	115			
Calcium	51	mg/L	1.0	103	85	115			
Chromium	1.0	mg/L	0.050	102	85	115			
Copper	0.99	mg/L	0.010	99	85	115			
Iron	5.3	mg/L	0.030	105	85	115			
Magnesium	51	mg/L	1.0	102	85	115			
Manganese	5.0	mg/L	0.010	99	85	115			
Molybdenum	0.99	mg/L	0.10	99	85	115			
Nickel	1.0	mg/L	0.050	104	85	115			
Potassium	52	mg/L	1.5	104	85	115			
Sodium	52	mg/L	1.0	103	85	115			
Vanadium	1.0	mg/L	0.10	102	85	115			
Zinc	1.0	mg/L	0.010	104	85	115			
Sample ID: C08030932-005AMS2	Sample Matrix Spike				Run: SUB-C99497			04/10/08 17:47	
Aluminum	10.2	mg/L	0.10	96	70	130			
Barium	31.2	mg/L	0.10	94	70	130			
Boron	9.27	mg/L	0.10	93	70	130			
Cadmium	9.58	mg/L	0.010	96	70	130			
Chromium	9.52	mg/L	0.010	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_B_R109010	
Sample ID: C08030932-005AMS2	Sample Matrix Spike				Run: SUB-C99497			04/10/08 17:47	
Copper	9.57	mg/L	0.010	96	70	130			
Iron	9.71	mg/L	0.051	97	70	130			
Manganese	9.64	mg/L	0.010	96	70	130			
Molybdenum	9.14	mg/L	0.051	91	70	130			
Nickel	9.73	mg/L	0.010	97	70	130			
Vanadium	9.51	mg/L	0.10	95	70	130			
Zinc	9.86	mg/L	0.010	98	70	130			
Calcium	1130	mg/L	1.0	96	70	130			
Magnesium	501	mg/L	1.0	100	70	130			
Potassium	521	mg/L	31	103	70	130			
Sodium	532	mg/L	10	101	70	130			
Silica	8.50	mg/L	0.22	4	70	130			S
Sample ID: C08030932-005AMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99497			04/10/08 17:51	
Aluminum	10.3	mg/L	0.10	98	70	130	1.4	20	
Barium	31.9	mg/L	0.10	100	70	130	2.1	20	
Boron	9.32	mg/L	0.10	93	70	130	0.5	20	
Cadmium	9.58	mg/L	0.010	96	70	130	0.0	20	
Chromium	9.52	mg/L	0.010	95	70	130	0.0	20	
Copper	9.73	mg/L	0.010	97	70	130	1.7	20	
Iron	9.75	mg/L	0.051	98	70	130	0.4	20	
Manganese	9.68	mg/L	0.010	97	70	130	0.4	20	
Molybdenum	9.32	mg/L	0.051	93	70	130	2.0	20	
Nickel	9.72	mg/L	0.010	97	70	130	0.1	20	
Vanadium	9.60	mg/L	0.10	96	70	130	1.0	20	
Zinc	9.84	mg/L	0.010	98	70	130	0.2	20	
Calcium	1130	mg/L	1.0	96	70	130	0.1	20	
Magnesium	493	mg/L	1.0	99	70	130	1.7	20	
Potassium	508	mg/L	31	100	70	130	2.7	20	
Sodium	522	mg/L	10	99	70	130	1.9	20	
Silica	8.51	mg/L	0.22	4	70	130	0.2	20	S
Sample ID: B08040942-006AMS2	Sample Matrix Spike				Run: SUB-C99497			04/11/08 00:51	
Aluminum	17.9	mg/L	0.10	62	70	130			S
Barium	0.982	mg/L	0.10	96	70	130			
Boron	0.949	mg/L	0.10	95	70	130			
Cadmium	0.523	mg/L	0.0010	94	70	130			
Chromium	0.969	mg/L	0.010	97	70	130			
Copper	1.02	mg/L	0.010	93	70	130			
Iron	5.34	mg/L	0.030	96	70	130			
Manganese	5.97	mg/L	0.010	91	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_B_R109010	
Sample ID: B08040942-006AMS2	Sample Matrix Spike				Run: SUB-C99497			04/11/08 00:51	
Molybdenum	0.830	mg/L	0.0082	83	70	130			
Nickel	1.09	mg/L	0.010	98	70	130			
Vanadium	0.957	mg/L	0.10	96	70	130			
Zinc	1.42	mg/L	0.010	94	70	130			
Calcium	81.6	mg/L	1.0	84	70	130			
Magnesium	55.1	mg/L	1.0	94	70	130			
Potassium	56.3	mg/L	2.0	100	70	130			
Sodium	53.1	mg/L	1.0	99	70	130			
Silica	53.8	mg/L	0.21	77	70	130			
Sample ID: B08040942-006AMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99497			04/11/08 00:55	
Aluminum	18.0	mg/L	0.10	63	70	130	0.4	20	S
Barium	1.000	mg/L	0.10	98	70	130	1.7	20	
Boron	0.950	mg/L	0.10	95	70	130	0.1	20	
Cadmium	0.525	mg/L	0.0010	95	70	130	0.4	20	
Chromium	0.974	mg/L	0.010	97	70	130	0.5	20	
Copper	1.03	mg/L	0.010	94	70	130	1.0	20	
Iron	5.39	mg/L	0.030	97	70	130	0.8	20	
Manganese	6.01	mg/L	0.010	91	70	130	0.7	20	
Molybdenum	0.839	mg/L	0.0082	84	70	130	1.1	20	
Nickel	1.09	mg/L	0.010	98	70	130	0.3	20	
Vanadium	0.966	mg/L	0.10	97	70	130	1.0	20	
Zinc	1.42	mg/L	0.010	93	70	130	0.2	20	
Calcium	82.5	mg/L	1.0	86	70	130	1.1	20	
Magnesium	55.9	mg/L	1.0	96	70	130	1.5	20	
Potassium	57.0	mg/L	2.0	101	70	130	1.3	20	
Sodium	52.9	mg/L	1.0	99	70	130	0.4	20	
Silica	53.5	mg/L	0.21	76	70	130	0.4	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18083
Sample ID: MB-18083	Method Blank				Run: SUB-C98784				03/28/08 18:05
Uranium	0.0001	mg/L	2E-05						
Sample ID: LCS1-18083	Laboratory Control Sample				Run: SUB-C98784				03/28/08 18:12
Uranium	0.0519	mg/L	0.00030	98	80	120			
Sample ID: C08030621-004AMS	Sample Matrix Spike				Run: SUB-C98784				03/28/08 19:32
Uranium	0.0427	mg/L	0.00030	-53	70	130			S
Sample ID: C08030621-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C98784				03/28/08 19:39
Uranium	0.0748	mg/L	0.00030	-46	70	130	55	20	SR
Sample ID: C08030621-004AMS	Sample Matrix Spike				Run: SUB-C99175				04/03/08 20:44
Uranium	24.4	mg/kg-dry	0.028	102	70	130			
Sample ID: C08030621-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99175				04/03/08 20:50
Uranium	24.1	mg/kg-dry	0.029	100	70	130	1.6	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_B_R109072	
Sample ID: LRB	Method Blank				Run: SUB-C99508			04/11/08 15:43	
Arsenic	ND	mg/L	4E-05						
Lead	ND	mg/L	3E-06						
Silver	ND	mg/L	7E-06						
Sodium	ND	mg/L	0.01						
Thorium 232	ND	mg/L	0.001						
Uranium	ND	mg/L	2E-06						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C99508			04/11/08 17:18	
Silver	0.0195	mg/L	0.0050	98	85	115			
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C99508			04/11/08 15:50	
Arsenic	0.0514	mg/L	0.0050	103	85	115			
Lead	0.0520	mg/L	0.010	104	85	115			
Silver	0.0146	mg/L	0.0050	73	85	115			S
Sodium	48.8	mg/L	0.50	98	85	115			
Thorium 232	0.0516	mg/L	0.010	103	85	115			
Uranium	0.0513	mg/L	0.0010	103	85	115			
Sample ID: B08041011-001AMS	Sample Matrix Spike				Run: SUB-C99508			04/12/08 02:21	
Arsenic	0.0520	mg/L	0.0050	104	70	130			
Lead	0.0521	mg/L	0.010	104	70	130			
Silver	0.0129	mg/L	0.0050	65	70	130			S
Uranium	0.0511	mg/L	0.0010	102	70	130			
Sodium	57.1	mg/L	1.0	99	70	130			
Sample ID: B08041011-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99508			04/12/08 02:28	
Arsenic	0.0507	mg/L	0.0050	101	70	130	2.5	20	
Lead	0.0506	mg/L	0.010	101	70	130	2.9	20	
Silver	0.0147	mg/L	0.0050	74	70	130	13	20	
Uranium	0.0497	mg/L	0.0010	99	70	130	2.9	20	
Sodium	56.6	mg/L	1.0	98	70	130	0.9	20	
Sample ID: B08041306-003BDUP	Sample Duplicate				Run: SUB-C99508			04/12/08 10:42	
Arsenic	0.00122	mg/L	0.0050				0.0	20	
Lead	5.52E-05	mg/L	0.010				0.0	20	
Silver	ND	mg/L	0.0050				0.0	20	
Uranium	0.000717	mg/L	0.0010				0.0	20	
Sodium	3.94	mg/L	1.0				0.8	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R99175
Sample ID: LRB	Method Blank				Run: SUB-C99175				04/03/08 13:10
Arsenic	8E-05	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	8E-05	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	0.00010	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	0.002	mg/L	3E-05						
Thorium 232	8E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C99175				04/03/08 13:17
Arsenic	0.0510	mg/L	0.0010	102	85	115			
Barium	0.0514	mg/L	0.0010	103	85	115			
Cadmium	0.0510	mg/L	0.0010	102	85	115			
Chromium	0.0525	mg/L	0.0010	105	85	115			
Copper	0.0518	mg/L	0.0010	104	85	115			
Lead	0.0524	mg/L	0.0010	105	85	115			
Manganese	0.0527	mg/L	0.0010	105	85	115			
Mercury	0.00547	mg/L	0.0010	109	85	115			
Molybdenum	0.0523	mg/L	0.0010	104	85	115			
Nickel	0.0523	mg/L	0.0010	105	85	115			
Silver	0.0192	mg/L	0.0010	85	85	115			
Thorium 232	0.0520	mg/L	0.0010	104	85	115			
Uranium	0.0525	mg/L	0.00030	105	85	115			
Vanadium	0.0528	mg/L	0.0010	106	85	115			
Zinc	0.0522	mg/L	0.0010	104	85	115			
Sample ID: C08030859-001BMS4	Post Digestion Spike				Run: SUB-C99175				04/04/08 01:49
Arsenic	0.0994	mg/L	0.0010	99	70	130			
Barium	0.105	mg/L	0.10	103	70	130			
Cadmium	0.0974	mg/L	0.010	97	70	130			
Chromium	0.0980	mg/L	0.050	98	70	130			
Copper	0.102	mg/L	0.010	96	70	130			
Lead	0.0980	mg/L	0.050	98	70	130			
Manganese	0.0995	mg/L	0.010	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R99175
Sample ID: C08030859-001BMS4	Post Digestion Spike				Run: SUB-C99175				04/04/08 01:49
Mercury	0.00982	mg/L	0.0010	98	70	130			
Molybdenum	0.105	mg/L	0.10	104	70	130			
Nickel	0.104	mg/L	0.050	99	70	130			
Silver	0.0255	mg/L	0.010	64	70	130			S
Thorium 232	0.0972	mg/L	0.0010	97	70	130			
Uranium	0.104	mg/L	0.00030	97	70	130			
Vanadium	0.102	mg/L	0.10	102	70	130			
Zinc	0.110	mg/L	0.010	102	70	130			
Sample ID: C08030859-001BMSD4	Post Digestion Spike Duplicate				Run: SUB-C99175				04/04/08 01:55
Arsenic	0.0997	mg/L	0.0010	99	70	130	0.3	20	
Barium	0.110	mg/L	0.10	107	70	130	4.5	20	
Cadmium	0.102	mg/L	0.010	102	70	130	5.0	20	
Chromium	0.0988	mg/L	0.050	98	70	130	0.8	20	
Copper	0.100	mg/L	0.010	94	70	130	2.0	20	
Lead	0.100	mg/L	0.050	100	70	130	2.2	20	
Manganese	0.100	mg/L	0.010	96	70	130	0.6	20	
Mercury	0.0102	mg/L	0.0010	102	70	130	3.4	20	
Molybdenum	0.110	mg/L	0.10	110	70	130	5.0	20	
Nickel	0.103	mg/L	0.050	98	70	130	0.8	20	
Silver	0.0276	mg/L	0.010	69	70	130	7.7	20	S
Thorium 232	0.102	mg/L	0.0010	102	70	130	5.2	20	
Uranium	0.108	mg/L	0.00030	101	70	130	3.9	20	
Vanadium	0.102	mg/L	0.10	102	70	130	0.0	20	
Zinc	0.110	mg/L	0.010	102	70	130	0.1	20	
Method: E245.1									Batch: C_B_31544
Sample ID: MB-31544	Method Blank				Run: SUB-C98552				03/24/08 12:04
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31544	Laboratory Fortified Blank				Run: SUB-C98552				03/24/08 12:10
Mercury	0.0020	mg/L	0.0010	99	85	115			
Sample ID: B08031430-001AMS	Sample Matrix Spike				Run: SUB-C98552				03/24/08 12:22
Mercury	0.0099	mg/L	0.0010	98	70	130			
Sample ID: B08031430-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C98552				03/24/08 12:25
Mercury	0.0098	mg/L	0.0010	98	70	130	1.0	30	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1								Analytical Run: SUB-C98552	
Sample ID: QCS	Initial Calibration Verification Standard							03/24/08 10:39	
Mercury	0.0018	mg/L	0.0010	92	90	110			
Method: E300.0								Batch: R33791	
Sample ID: LFB0803115548-3	Laboratory Fortified Blank				Run: DIONEX_080312A			03/12/08 08:50	
Chloride	4.81	mg/L	0.50	96	90	110			
Fluoride	1.83	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.32	mg/L	0.10	93	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: LFB0803115548-4	Laboratory Fortified Blank				Run: DIONEX_080312A			03/12/08 09:06	
Chloride	4.88	mg/L	0.50	98	90	110			
Fluoride	1.92	mg/L	0.10	96	90	110			
Nitrogen, Nitrate as N	2.35	mg/L	0.10	94	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: R08030091-001CMS	Sample Matrix Spike				Run: DIONEX_080312A			03/12/08 09:37	
Chloride	446	mg/L	5.4	86	80	120			
Fluoride	103	mg/L	0.56	103	80	120			
Nitrogen, Nitrate as N	119	mg/L	1.3	95	80	120			
Sulfate	1120	mg/L	3.4	88	80	120			
Sample ID: R08030091-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080312A			03/12/08 09:53	
Chloride	433	mg/L	5.4	80	80	120	3.1	10	
Fluoride	97.8	mg/L	0.56	98	80	120	5.5	10	
Nitrogen, Nitrate as N	112	mg/L	1.3	90	80	120	5.5	10	
Sulfate	1080	mg/L	3.4	83	80	120	3.5	10	
Sample ID: R08030091-006CMS	Sample Matrix Spike				Run: DIONEX_080312A			03/12/08 13:20	
Chloride	4.87	mg/L	0.50	92	80	120			
Fluoride	2.03	mg/L	0.10	101	80	120			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	80	120			
Sulfate	13.8	mg/L	1.0	92	80	120			
Sample ID: R08030091-006CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080312A			03/12/08 13:36	
Chloride	4.96	mg/L	0.50	94	80	120	1.8	10	
Fluoride	2.08	mg/L	0.10	104	80	120	2.4	10	
Nitrogen, Nitrate as N	2.35	mg/L	0.10	94	80	120	1.7	10	
Sulfate	14.1	mg/L	1.0	94	80	120	2.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0417
Sample ID: MB-GrAB-0417	Method Blank				Run: SUB-C99140				04/02/08 04:03
Gross Alpha	-0.4	pCi/L							U
Gross Beta	-0.9	pCi/L							U
Sample ID: UNAT-GrAB-0417	Laboratory Control Sample				Run: SUB-C99140				04/02/08 04:03
Gross Alpha	230	pCi/L		95	70	130			
Gross Beta	220	pCi/L		101	70	130			
Sample ID: C08030704-001CMS	Sample Matrix Spike				Run: SUB-C99140				04/02/08 04:03
Gross Beta	93.7	pCi/L		99	70	130			
Sample ID: C08030704-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C99140				04/02/08 04:03
Gross Beta	0.178	pCi/L			70	130	200	16.9	SR
- Beta MSD failed at bench level. MS and LCS are acceptable so the batch is approved.									
Sample ID: R08030091-004I	Sample Duplicate				Run: SUB-C99140				04/02/08 20:04
Gross Alpha	5.73	pCi/L					12	157.2	U
Gross Beta	3.72	pCi/L					25	168.8	U
Gross Beta MDC	5.60	pCi/L							

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R98315
Sample ID: LCS-R98315	Laboratory Control Sample				Run: SUB-C98315				03/14/08 16:57
Americium 241	740	pCi/L	20	91	70	130			
Cesium 137	1500	pCi/L	20	105	70	130			
Potassium 40	6900	pCi/L	20	103	70	130			
Sample ID: MB-R98315	Method Blank				Run: SUB-C98315				03/14/08 16:57
Americium 241	ND	pCi/L							
Barium 133	ND	pCi/L							
Bismuth 212	ND	pCi/L							
Bismuth 214	ND	pCi/L							
Cesium 134	ND	pCi/L							
Cesium 137	ND	pCi/L							
Cobalt 60	ND	pCi/L							
Iodine 125	ND	pCi/L							
Iodine 131	ND	pCi/L							
Lead 212	ND	pCi/L							
Lead 214	ND	pCi/L							
Manganese 54	ND	pCi/L							
Potassium 40	ND	pCi/L							
Radium 223	ND	pCi/L							
Radium 224	ND	pCi/L							
Thallium 208	ND	pCi/L							
Thorium 228	ND	pCi/L							
Thorium 234	ND	pCi/L							
Zinc 65	ND	pCi/L							
Radium 228	ND	pCi/L							
Gross Gamma	ND	pCi/L							
Method: E903.0									Batch: C_18083
Sample ID: LCS-18083	Laboratory Control Sample				Run: SUB-C98992				04/01/08 15:03
Radium 226	11	pCi/L		82	70	130			
Sample ID: MB-18083	Method Blank				Run: SUB-C98992				04/01/08 15:03
Radium 226	-1	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18485
Sample ID: LCS-18485	Laboratory Control Sample				Run: SUB-C101253				05/16/08 09:52
Radium 226	14	pCi/L		105	70	130			
Sample ID: MB-18485	Method Blank				Run: SUB-C101253				05/16/08 09:52
Radium 226	-2	pCi/L							U
Sample ID: C08041197-014AMS	Sample Matrix Spike				Run: SUB-C101253				05/16/08 09:52
Radium 226	100	pCi/L		123	70	130			
Sample ID: C08041197-014AMSD	Sample Matrix Spike Duplicate				Run: SUB-C101253				05/16/08 09:52
Radium 226	110	pCi/L		129	70	130	3.0	24.8	
Method: E903.0									Batch: C_RA226-2680
Sample ID: C08030639-001AMS	Sample Matrix Spike				Run: SUB-C98820				03/26/08 11:40
Radium 226	9.6	pCi/L		87	70	130			
Sample ID: C08030639-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C98820				03/26/08 11:40
Radium 226	9.5	pCi/L		84	70	130	1.8	22.7	
Sample ID: MB-RA226-2680	Method Blank				Run: SUB-C98820				03/26/08 17:11
Radium 226	-0.1	pCi/L							
Sample ID: LCS-RA226-2680	Laboratory Control Sample				Run: SUB-C98820				03/26/08 17:11
Radium 226	6.3	pCi/L		101	70	130			
Method: E907.0									Batch: C_18083
Sample ID: R08030091-001K	Sample Matrix Spike				Run: SUB-C99086				03/26/08 15:15
Thorium 230	23.1	pCi/L	0.20	94	70	130			
Sample ID: R08030091-001K	Sample Matrix Spike Duplicate				Run: SUB-C99086				03/26/08 15:15
Thorium 230	23.8	pCi/L	0.20	97	70	130	2.8	30	
Sample ID: LCS-18083	Laboratory Control Sample				Run: SUB-C99086				03/26/08 15:15
Thorium 230	46.1	pCi/g-dry	0.10	98	70	130			
Sample ID: MB-18083	Method Blank				Run: SUB-C99086				03/26/08 15:15
Thorium 230	ND	pCi/g-dry							

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030091

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R99362
Sample ID: LCS-R99362	Laboratory Control Sample				Run: SUB-C99362				03/31/08 14:00
Thorium 230	8.20	pCi/L	0.20	116	70	130			
Sample ID: C08030555-001HMS	Sample Matrix Spike				Run: SUB-C99362				03/31/08 14:00
Thorium 230	13.7	pCi/L	0.20	121	70	130			
Sample ID: C08030555-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C99362				03/31/08 14:00
Thorium 230	13.2	pCi/L	0.20	116	70	130	3.7	30	
Sample ID: MB-R99362	Method Blank				Run: SUB-C99362				03/31/08 14:00
Thorium 230	0.1	pCi/L							
Method: E907.0									Batch: C_R99579
Sample ID: LCS-R99579	Laboratory Control Sample				Run: SUB-C99579				04/04/08 15:30
Thorium 230	6.74	pCi/L	0.20	95	70	130			
Sample ID: C08031118-033AMS	Sample Matrix Spike				Run: SUB-C99579				04/04/08 15:30
Thorium 230	9.50	pCi/L	0.20	96	70	130			
Sample ID: C08031118-033AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99579				04/04/08 15:30
Thorium 230	10.3	pCi/L	0.20	104	70	130	7.9	30	
Sample ID: MB-R99579	Method Blank				Run: SUB-C99579				04/04/08 15:30
Thorium 230	0.2	pCi/L							U

Qualifiers:

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

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ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Respec	Power Tech Dewey Burdock	State:	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
Respec	cory.foreman@respec.com		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
Respec			

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

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

ANALYSIS REQUESTED: As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 4.6 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX													LABORATORY USE ONLY
1	DewBurd CHR05	3/9/07	0900	W											Set 14		R0803009-001
2	DewBurd BVC04	3/9/07	11:05	W											Set 6		002
3	DewBurd BVC04	3/9/07	11:15	W											Set 15		003
4	DewBurd CHR01	3/9/07	14:15	W											Set 2		004
5	DewBurd BVC01	3/9/07	15:15	W											Set 5		005
6	DewBurd BLK01	3/9/07	17:35	W											Set 11		006
7																	
8																	
9																	
10																	

A11 2008
SPK

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	3/10/08 09:15				
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: Linda Larson	Date/Time: 3/10/08 0915	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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

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ANALYTICAL SUMMARY REPORT

June 24, 2008

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

Workorder No.: R08030252 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 5 samples from RESPEC Inc on 3/25/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08030252-001	DewBurd SUB11	03/24/08 11:10	03/25/08	Aqueous	Metals by ICP/ICPMS, Dissolved
					Metals by ICP/ICPMS, Suspended
					Metals by ICP/ICPMS, Total
					Alkalinity
					Anion - Cation Balance
					Bacteria, Fecal Coliform
					Conductivity
					Chromium, Hexavalent
					Chromium, Trivalent
					Mercury, Total
					Selenium, Dissolved
					Selenium, Total
					Selenium, Dissolved
					Selenium, Total
					Selenium, Dissolved
					Selenium-VI, Total
					Anions by Ion Chromatography
					Nitrogen, Ammonia
					pH
					Metals Digestion by EPA 200.2
					Digestion, Total Metals
					Digestion, As/Se by Hydride
					Dissolved Filtration
					Gross Alpha, Gross Beta
					Gross Gamma
					Radium 226, Dissolved
					Radium 226, Suspended
					Radium 226, Total
					Thorium, Isotopic
					Thorium, Suspended Isotopic
					Thorium, Isotopic
					Sodium Adsorption Ratio
					Suspended Sediment Concentration
					Solids, Total Dissolved
					Solids, Total Suspended

R08030252-002	DewBurd SUB07	03/24/08 11:55	03/25/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08030252-003	DewBurd SUB01	03/24/08 12:45	03/25/08	Aqueous	Same As Above
R08030252-004	DewBurd SUB09	03/24/08 16:25	03/25/08	Aqueous	Same As Above
R08030252-005	DewBurd SUB10	03/24/08 17:10	03/25/08	Aqueous	Same As Above

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

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

Report Approved By: Linda Kuzan

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-001
Client Sample ID: DewBurd SUB11

Report Date: 06/24/08
Collection Date: 03/24/08 11:10
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	03/25/08 11:10/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	18	mg/L		5		1	A2320 B	03/28/08 13:20/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/28/08 13:20/sn
Bicarbonate as HCO3	22	mg/L		5		1	A2320 B	03/28/08 13:20/sn
Calcium	6.3	mg/L		0.5		2	E200.7	04/10/08 12:57/eli-c
Chloride	1	mg/L		1		1	E300.0	03/26/08 12:48/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	03/26/08 12:48/jmh
Magnesium	1.9	mg/L		0.5		2	E200.7	04/10/08 12:57/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/28/08 14:09/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/26/08 12:48/jmh
Potassium	4	mg/L		1		2	E200.7	04/10/08 12:57/eli-c
Silica	0.8	mg/L		0.5		2	E200.7	04/10/08 12:57/eli-c
Sodium	2.7	mg/L		0.5		2	E200.7	04/10/08 12:57/eli-c
Sulfate	12	mg/L		1		1	E300.0	03/26/08 12:48/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	68.7	umhos/cm		5.0		1	A2510 B	03/26/08 11:10/jmh
pH	6.68	s.u.		0.01		1	A4500-H B	03/26/08 15:35/jmh
Sodium Adsorption Ratio (SAR)	0.24	unitless		0.10		1	Calculation	05/13/08 15:28/ADM
Solids, Suspended Sediment SSC @ 105 C	77	mg/L		5		1	D3977	03/25/08 10:41/jmh
Solids, Total Dissolved TDS @ 180 C	90	mg/L		5		1	A2540 C	03/31/08 08:36/mb
Solids, Total Suspended TSS @ 105 C	61	mg/L		5		1	A2540 D	03/28/08 08:04/mb
METALS - DISSOLVED								
Aluminum	0.2	mg/L		0.1		2	E200.7	04/10/08 12:57/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/13/08 12:20/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/13/08 12:20/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 12:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/13/08 12:20/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	04/10/08 12:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/13/08 12:20/eli-c
Iron	1.70	mg/L		0.03		2	E200.7	04/10/08 12:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/13/08 12:20/eli-c
Manganese	0.57	mg/L		0.01		2	E200.7	04/10/08 12:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/13/08 12:20/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/10/08 12:57/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-001
Client Sample ID: DewBurd SUB11

Report Date: 06/24/08
Collection Date: 03/24/08 11:10
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	04/13/08 12:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/13/08 12:20/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/13/08 12:20/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/13/08 12:20/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/10/08 12:57/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/10/08 12:57/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	04/13/08 13:41/eli-c
Uranium	0.0003	mg/L		0.0003		1	E200.8	04/13/08 13:41/eli-c
METALS - TOTAL								
Aluminum	1.9	mg/L		0.1		2	E200.7	04/09/08 16:08/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	04/10/08 19:07/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/09/08 16:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/09/08 16:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/10/08 19:07/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/09/08 16:08/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.01		2	A3500-Cr B	03/21/08 12:07/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/16/08 00:00/ADM
Copper	ND	mg/L		0.01		1	E200.8	04/10/08 19:07/eli-c
Iron	15.7	mg/L		0.03		2	E200.7	04/09/08 16:08/eli-c
Lead	0.003	mg/L		0.001		1	E200.8	04/10/08 19:07/eli-c
Manganese	0.66	mg/L		0.01		2	E200.7	04/09/08 16:08/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/09/08 16:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/10/08 19:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/10/08 19:07/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/10/08 19:07/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/10/08 19:07/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/09/08 16:08/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	04/10/08 19:07/eli-c
Calcium	6.7	mg/L		0.5		2	E200.7	04/09/08 16:08/eli-c
Magnesium	2.1	mg/L		0.5		2	E200.7	04/09/08 16:08/eli-c
Potassium	5.2	mg/L		0.5		2	E200.7	04/09/08 16:08/eli-c
Silica	6.1	mg/L		0.5		2	E200.7	04/09/08 16:08/eli-c
Sodium	1.9	mg/L		0.5		2	E200.7	04/09/08 16:08/eli-c
METALS - DISSOLVED - SPECIATED								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-001
Client Sample ID: DewBurd SUB11

Report Date: 06/24/08
Collection Date: 03/24/08 11:10
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/01/08 13:27/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:29/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/01/08 13:43/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:44/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.1	pCi/L	U			1	E903.0	04/19/08 17:42/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	04/19/08 17:42/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/19/08 17:42/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	0.8	pCi/L				1	E903.0	04/13/08 07:29/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/13/08 07:29/eli-c
Radium 226 MDC	0.7	pCi/L				1	E903.0	04/13/08 07:29/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/02/08 15:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	1.4	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha precision (±)	0.7	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha MDC	0.9	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta	5.8	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta MDC	2.4	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.9	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-001
Client Sample ID: DewBurd SUB11

Report Date: 06/24/08
Collection Date: 03/24/08 11:10
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	04/10/08 14:00/eli-b
DATA QUALITY								
A/C Balance (± 5)	10.9					1	A1030 E	06/18/08 00:00/ADM
Anions	0.660	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	0.830	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	42.0	mg/L				1	A1030 E	06/18/08 00:00/ADM
TDS Balance (0.80 - 1.20)	2.14					1	A1030 E	06/18/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-002
Client Sample ID: DewBurd SUB07

Report Date: 06/24/08
Collection Date: 03/24/08 11:55
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	03/25/08 11:10/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	03/28/08 13:21/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/28/08 13:21/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	03/28/08 13:21/sn
Calcium	27.6	mg/L		0.5		2	E200.7	04/10/08 13:00/eli-c
Chloride	4	mg/L		1		1	E300.0	03/26/08 13:19/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	03/26/08 13:19/jmh
Magnesium	16.4	mg/L		0.5		2	E200.7	04/10/08 13:00/eli-c
Nitrogen, Ammonia as N	2.4	mg/L		0.1		4	A4500-NH3 G	03/28/08 14:32/jmh
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	03/26/08 13:19/jmh
Potassium	14	mg/L		1		2	E200.7	04/10/08 13:00/eli-c
Silica	1.4	mg/L		0.5		2	E200.7	04/10/08 13:00/eli-c
Sodium	3.4	mg/L		0.5		2	E200.7	04/10/08 13:00/eli-c
Sulfate	183	mg/L		1		1	E300.0	03/26/08 13:19/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	402	umhos/cm		5.0		1	A2510 B	03/26/08 11:11/jmh
pH	4.16	s.u.		0.01		1	A4500-H B	03/26/08 15:36/jmh
Sodium Adsorption Ratio (SAR)	0.13	unitless		0.10		1	Calculation	05/13/08 15:28/ADM
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	03/25/08 10:41/jmh
Solids, Total Dissolved TDS @ 180 C	220	mg/L		5		1	A2540 C	03/31/08 08:37/mb
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	03/28/08 08:05/mb
METALS - DISSOLVED								
Aluminum	0.2	mg/L		0.1		2	E200.7	04/10/08 13:00/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/13/08 12:27/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/13/08 12:27/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 13:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/13/08 12:27/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	04/10/08 13:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/13/08 12:27/eli-c
Iron	1.58	mg/L		0.03		2	E200.7	04/10/08 13:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/13/08 12:27/eli-c
Manganese	2.85	mg/L		0.01		2	E200.7	04/10/08 13:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/13/08 12:27/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/10/08 13:00/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.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-002
Client Sample ID: DewBurd SUB07

Report Date: 06/24/08
Collection Date: 03/24/08 11:55
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	0.06	mg/L		0.01		1	E200.8	04/13/08 12:27/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/13/08 12:27/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/13/08 12:27/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/13/08 12:27/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/10/08 13:00/eli-c
Zinc	0.06	mg/L		0.01		2	E200.7	04/10/08 13:00/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	04/13/08 13:47/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/13/08 13:47/eli-c
METALS - TOTAL								
Aluminum	0.4	mg/L	B	0.1		2	E200.7	04/09/08 16:15/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/10/08 19:13/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/09/08 16:15/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/09/08 16:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/10/08 19:13/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/09/08 16:15/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.05		10	A3500-Cr B	03/21/08 12:07/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/16/08 00:00/ADM
Copper	ND	mg/L		0.01		2	E200.7	04/09/08 16:15/eli-c
Iron	1.67	mg/L		0.03		2	E200.7	04/09/08 16:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/10/08 19:13/eli-c
Manganese	2.76	mg/L		0.01		2	E200.7	04/09/08 16:15/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/09/08 16:15/eli-c
Nickel	0.07	mg/L		0.05		1	E200.8	04/10/08 19:13/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/10/08 19:13/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/10/08 19:13/eli-c
Uranium	0.0003	mg/L		0.0003		1	E200.8	04/10/08 19:13/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/09/08 16:15/eli-c
Zinc	0.08	mg/L		0.01		1	E200.8	04/10/08 19:13/eli-c
Calcium	27.0	mg/L		0.5		2	E200.7	04/09/08 16:15/eli-c
Magnesium	16.0	mg/L		0.5		2	E200.7	04/09/08 16:15/eli-c
Potassium	13.7	mg/L		0.5		2	E200.7	04/09/08 16:15/eli-c
Silica	1.4	mg/L		0.5		2	E200.7	04/09/08 16:15/eli-c
Sodium	3.5	mg/L		0.5		2	E200.7	04/09/08 16:15/eli-c
METALS - DISSOLVED - SPECIATED								

Report Definitions:
RL - Analyte reporting limit.
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.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-002
Client Sample ID: DewBurd SUB07

Report Date: 06/24/08
Collection Date: 03/24/08 11:55
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/01/08 13:30/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:31/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/01/08 13:45/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:46/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.4	pCi/L				1	E903.0	04/19/08 19:12/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/19/08 19:12/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/19/08 19:12/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	0.5	pCi/L	U			1	E903.0	04/13/08 09:00/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/13/08 09:00/eli-c
Radium 226 MDC	0.7	pCi/L				1	E903.0	04/13/08 09:00/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/02/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	1.9	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha precision (±)	0.9	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha MDC	1.2	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta	13.4	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta precision (±)	1.7	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta MDC	2.4	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.8	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-002
Client Sample ID: DewBurd SUB07

Report Date: 06/24/08
Collection Date: 03/24/08 11:55
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	04/10/08 14:02/eli-b
DATA QUALITY								
A/C Balance (± 5)	-3.45					1	A1030 E	06/18/08 00:00/ADM
Anions	3.95	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	3.69	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	254	mg/L				1	A1030 E	06/18/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.860					1	A1030 E	06/18/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-003
Client Sample ID: DewBurd SUB01

Report Date: 06/24/08
Collection Date: 03/24/08 12:45
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	44	CFU/100ml	D	4		4	A9222 D	03/25/08 11:10/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	38	mg/L		5		1	A2320 B	03/28/08 13:25/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/28/08 13:25/sn
Bicarbonate as HCO3	46	mg/L		5		1	A2320 B	03/28/08 13:25/sn
Calcium	21.0	mg/L		0.5		2	E200.7	04/10/08 13:04/eli-c
Chloride	3	mg/L		1		1	E300.0	03/26/08 13:50/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	03/26/08 13:50/jmh
Magnesium	4.4	mg/L		0.5		2	E200.7	04/10/08 13:04/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/28/08 14:11/jmh
Nitrogen, Nitrate as N	1.2	mg/L		0.1		1	E300.0	03/26/08 13:50/jmh
Potassium	4	mg/L		1		2	E200.7	04/10/08 13:04/eli-c
Silica	8.6	mg/L		0.5		2	E200.7	04/10/08 13:04/eli-c
Sodium	18.9	mg/L		0.5		2	E200.7	04/10/08 13:04/eli-c
Sulfate	59	mg/L		1		1	E300.0	03/26/08 13:50/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	230	umhos/cm		5.0		1	A2510 B	03/26/08 11:13/jmh
pH	7.73	s.u.		0.01		1	A4500-H B	03/26/08 15:38/jmh
Sodium Adsorption Ratio (SAR)	0.98	unitless		0.10		1	Calculation	05/13/08 15:28/ADM
Solids, Suspended Sediment SSC @ 105 C	198	mg/L		5		1	D3977	03/25/08 10:41/jmh
Solids, Total Dissolved TDS @ 180 C	300	mg/L		5		1	A2540 C	06/17/08 09:48/mb
Solids, Total Suspended TSS @ 105 C	100	mg/L		5		1	A2540 D	03/28/08 08:06/mb
METALS - DISSOLVED								
Aluminum	0.2	mg/L		0.1		2	E200.7	04/10/08 13:04/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	04/13/08 12:33/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/13/08 12:33/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 13:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/13/08 12:33/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	04/10/08 13:04/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/13/08 12:33/eli-c
Iron	0.15	mg/L		0.03		2	E200.7	04/10/08 13:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/13/08 12:33/eli-c
Manganese	0.02	mg/L		0.01		2	E200.7	04/10/08 13:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/13/08 12:33/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/10/08 13:04/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-003
Client Sample ID: DewBurd SUB01

Report Date: 06/24/08
Collection Date: 03/24/08 12:45
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	04/13/08 12:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/13/08 12:33/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/13/08 12:33/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/13/08 12:33/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/10/08 13:04/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/10/08 13:04/eli-c
METALS - SUSPENDED								
Thorium 232	0.002	mg/L		0.001		1	E200.8	04/13/08 13:54/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	04/13/08 13:54/eli-c
METALS - TOTAL								
Aluminum	22.4	mg/L		0.1		2	E200.7	04/09/08 16:20/eli-c
Arsenic	0.005	mg/L		0.001		1	E200.8	04/10/08 19:20/eli-c
Barium	0.1	mg/L		0.1		2	E200.7	04/09/08 16:20/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/09/08 16:20/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/10/08 19:20/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/09/08 16:20/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.01		2	A3500-Cr B	03/21/08 12:07/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/16/08 00:00/ADM
Copper	0.02	mg/L		0.01		1	E200.8	04/10/08 19:20/eli-c
Iron	15.1	mg/L		0.03		2	E200.7	04/09/08 16:20/eli-c
Lead	0.009	mg/L		0.001		1	E200.8	04/10/08 19:20/eli-c
Manganese	0.18	mg/L		0.01		2	E200.7	04/09/08 16:20/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/09/08 16:20/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/10/08 19:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/10/08 19:20/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/10/08 19:20/eli-c
Uranium	0.0011	mg/L		0.0003		1	E200.8	04/10/08 19:20/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/09/08 16:20/eli-c
Zinc	0.06	mg/L		0.01		1	E200.8	04/10/08 19:20/eli-c
Calcium	25.1	mg/L		0.5		2	E200.7	04/09/08 16:20/eli-c
Magnesium	8.4	mg/L		0.5		2	E200.7	04/09/08 16:20/eli-c
Potassium	8.3	mg/L		0.5		2	E200.7	04/09/08 16:20/eli-c
Silica	104	mg/L		0.5		2	E200.7	04/09/08 16:20/eli-c
Sodium	17.8	mg/L		0.5		2	E200.7	04/09/08 16:20/eli-c
METALS - DISSOLVED - SPECIATED								

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-003
Client Sample ID: DewBurd SUB01

Report Date: 06/24/08
Collection Date: 03/24/08 12:45
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/01/08 13:32/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:33/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	04/01/08 13:47/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:48/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.2	pCi/L				1	E903.0	04/19/08 20:42/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/19/08 20:42/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/19/08 20:42/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	1	pCi/L				1	E903.0	04/13/08 10:30/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/13/08 10:30/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	04/13/08 10:30/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	04/02/08 15:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	2.4	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha precision (±)	0.9	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha MDC	1.1	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta	5.1	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta MDC	2.4	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	1.2	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-003
Client Sample ID: DewBurd SUB01

Report Date: 06/24/08
Collection Date: 03/24/08 12:45
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	04/10/08 14:04/eli-b
DATA QUALITY								
A/C Balance (± 5)	4.36					1	A1030 E	06/18/08 00:00/ADM
Anions	2.17	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	2.37	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	162	mg/L				1	A1030 E	06/18/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.86					1	A1030 E	06/18/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-004
Client Sample ID: DewBurd SUB09

Report Date: 06/24/08
Collection Date: 03/24/08 16:25
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	4		4	A9222 D	03/25/08 11:10/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	28	mg/L		5		1	A2320 B	03/28/08 13:31/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/28/08 13:31/sn
Bicarbonate as HCO3	34	mg/L		5		1	A2320 B	03/28/08 13:31/sn
Calcium	18.2	mg/L		0.5		2	E200.7	04/10/08 13:07/eli-c
Chloride	8	mg/L		1		1	E300.0	03/26/08 14:21/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	03/26/08 14:21/jmh
Magnesium	11.1	mg/L		0.5		2	E200.7	04/10/08 13:07/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/28/08 14:12/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/26/08 14:21/jmh
Potassium	15	mg/L		1		2	E200.7	04/10/08 13:07/eli-c
Silica	1.6	mg/L		0.5		2	E200.7	04/10/08 13:07/eli-c
Sodium	13.7	mg/L		0.5		2	E200.7	04/10/08 13:07/eli-c
Sulfate	95	mg/L		1		1	E300.0	03/26/08 14:21/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	297	umhos/cm		5.0		1	A2510 B	03/26/08 11:14/jmh
pH	8.42	s.u.		0.01		1	A4500-H B	03/26/08 15:39/jmh
Sodium Adsorption Ratio (SAR)	0.62	unitless		0.10		1	Calculation	05/13/08 15:28/ADM
Solids, Suspended Sediment SSC @ 105 C	119	mg/L		5		1	D3977	03/25/08 10:42/jmh
Solids, Total Dissolved TDS @ 180 C	250	mg/L		5		1	A2540 C	03/31/08 08:40/mb
Solids, Total Suspended TSS @ 105 C	100	mg/L		5		1	A2540 D	03/28/08 08:06/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/10/08 13:07/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	04/13/08 12:40/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/13/08 12:40/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	04/10/08 13:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/13/08 12:40/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	04/10/08 13:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/13/08 12:40/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	04/10/08 13:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/13/08 12:40/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	04/10/08 13:07/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/13/08 12:40/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/10/08 13:07/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-004
Client Sample ID: DewBurd SUB09

Report Date: 06/24/08
Collection Date: 03/24/08 16:25
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	04/13/08 12:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/13/08 12:40/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/13/08 12:40/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	04/13/08 12:40/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/10/08 13:07/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/10/08 13:07/eli-c
METALS - SUSPENDED								
Thorium 232	0.001	mg/L		0.001		1	E200.8	04/13/08 14:00/eli-c
Uranium	0.0003	mg/L		0.0003		1	E200.8	04/13/08 14:00/eli-c
METALS - TOTAL								
Aluminum	4.8	mg/L		0.1		2	E200.7	04/09/08 16:23/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/10/08 19:27/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/09/08 16:23/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	04/09/08 16:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/10/08 19:27/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/09/08 16:23/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.01		2	A3500-Cr B	03/21/08 12:07/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/16/08 00:00/ADM
Copper	0.01	mg/L		0.01		1	E200.8	04/10/08 19:27/eli-c
Iron	3.60	mg/L		0.03		2	E200.7	04/09/08 16:23/eli-c
Lead	0.004	mg/L		0.001		1	E200.8	04/10/08 19:27/eli-c
Manganese	0.02	mg/L		0.01		2	E200.7	04/09/08 16:23/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/09/08 16:23/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/10/08 19:27/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/10/08 19:27/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/10/08 19:27/eli-c
Uranium	0.0008	mg/L		0.0003		1	E200.8	04/10/08 19:27/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/09/08 16:23/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	04/10/08 19:27/eli-c
Calcium	19.1	mg/L		0.5		2	E200.7	04/09/08 16:23/eli-c
Magnesium	12.2	mg/L		0.5		2	E200.7	04/09/08 16:23/eli-c
Potassium	17.0	mg/L		0.5		2	E200.7	04/09/08 16:23/eli-c
Silica	19.5	mg/L		0.5		2	E200.7	04/09/08 16:23/eli-c
Sodium	13.4	mg/L		0.5		2	E200.7	04/09/08 16:23/eli-c
METALS - DISSOLVED - SPECIATED								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-004
Client Sample ID: DewBurd SUB09

Report Date: 06/24/08
Collection Date: 03/24/08 16:25
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/01/08 13:38/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:35/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	04/01/08 13:54/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:51/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.03	pCi/L	U			1	E903.0	04/19/08 22:13/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	04/19/08 22:13/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/19/08 22:13/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	0.5	pCi/L	U			1	E903.0	04/13/08 12:00/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/13/08 12:00/eli-c
Radium 226 MDC	0.7	pCi/L				1	E903.0	04/13/08 12:00/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	04/02/08 15:30/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	04/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	1.2	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha precision (±)	0.8	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha MDC	1.1	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta	14.7	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta precision (±)	1.7	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta MDC	2.4	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.5	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	04/20/08 17:48/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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-004
Client Sample ID: DewBurd SUB09

Report Date: 06/24/08
Collection Date: 03/24/08 16:25
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	04/18/08 14:02/eli-b
DATA QUALITY								
A/C Balance (± 5)	0.0400					1	A1030 E	06/18/08 00:00/ADM
Anions	2.82	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	2.82	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	184	mg/L				1	A1030 E	06/18/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.37					1	A1030 E	06/18/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-005
Client Sample ID: DewBurd SUB10

Report Date: 06/24/08
Collection Date: 03/24/08 17:10
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	4	CFU/100ml	D	4		4	A9222 D	03/25/08 11:10/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	54	mg/L		5		1	A2320 B	03/28/08 13:33/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/28/08 13:33/sn
Bicarbonate as HCO3	66	mg/L		5		1	A2320 B	03/28/08 13:33/sn
Calcium	248	mg/L		0.5		2	E200.7	04/10/08 13:17/eli-c
Chloride	32	mg/L	D	5		50	E300.0	03/26/08 15:07/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	03/26/08 15:53/jmh
Magnesium	103	mg/L		0.5		2	E200.7	04/10/08 13:17/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/28/08 14:14/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/26/08 15:53/jmh
Potassium	41	mg/L		1		2	E200.7	04/10/08 13:17/eli-c
Silica	ND	mg/L		0.5		2	E200.7	04/10/08 13:17/eli-c
Sodium	208	mg/L		0.5		2	E200.7	04/10/08 13:17/eli-c
Sulfate	1210	mg/L	D	3		50	E300.0	03/26/08 15:07/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2490	umhos/cm		5.0		1	A2510 B	03/26/08 11:15/jmh
pH	8.19	s.u.		0.01		1	A4500-H B	03/26/08 15:40/jmh
Sodium Adsorption Ratio (SAR)	2.8	unitless		0.10		1	Calculation	05/13/08 15:28/ADM
Solids, Suspended Sediment SSC @ 105 C	195	mg/L		5		1	D3977	03/25/08 10:42/jmh
Solids, Total Dissolved TDS @ 180 C	2100	mg/L		5		1	A2540 C	03/31/08 08:41/mb
Solids, Total Suspended TSS @ 105 C	250	mg/L		5		1	A2540 D	03/28/08 08:07/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/10/08 13:17/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/13/08 12:47/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/13/08 12:47/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	04/10/08 13:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/13/08 12:47/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	04/10/08 13:17/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/13/08 12:47/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/10/08 13:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/13/08 12:47/eli-c
Manganese	0.02	mg/L		0.01		2	E200.7	04/10/08 13:17/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/13/08 12:47/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/10/08 13:17/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-005
Client Sample ID: DewBurd SUB10

Report Date: 06/24/08
Collection Date: 03/24/08 17:10
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	04/13/08 12:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/13/08 12:47/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/13/08 12:47/eli-c
Uranium	0.0027	mg/L		0.0003		1	E200.8	04/13/08 12:47/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/10/08 13:17/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/10/08 13:17/eli-c
METALS - SUSPENDED								
Thorium 232	0.003	mg/L		0.001		1	E200.8	04/13/08 14:07/eli-c
Uranium	0.0007	mg/L		0.0003		1	E200.8	04/13/08 14:07/eli-c
METALS - TOTAL								
Aluminum	3.0	mg/L		0.1		2	E200.7	04/09/08 16:26/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/10/08 19:54/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/09/08 16:26/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/09/08 16:26/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/10/08 19:54/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/09/08 16:26/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.01		2	A3500-Cr B	03/21/08 12:07/sn
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/16/08 00:00/ADM
Copper	0.01	mg/L		0.01		1	E200.8	04/10/08 19:54/eli-c
Iron	2.89	mg/L		0.03		2	E200.7	04/09/08 16:26/eli-c
Lead	0.003	mg/L		0.001		1	E200.8	04/10/08 19:54/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	04/09/08 16:26/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/09/08 16:26/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/10/08 19:54/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/10/08 19:54/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/10/08 19:54/eli-c
Uranium	0.0033	mg/L		0.0003		1	E200.8	04/10/08 19:54/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/09/08 16:26/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	04/10/08 19:54/eli-c
Calcium	255	mg/L		0.5		2	E200.7	04/09/08 16:26/eli-c
Magnesium	105	mg/L		0.5		2	E200.7	04/09/08 16:26/eli-c
Potassium	42.3	mg/L		0.5		2	E200.7	04/09/08 16:26/eli-c
Silica	10.4	mg/L		0.5		2	E200.7	04/09/08 16:26/eli-c
Sodium	209	mg/L		0.5		2	E200.7	04/09/08 16:26/eli-c
METALS - DISSOLVED - SPECIATED								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-005
Client Sample ID: DewBurd SUB10

Report Date: 06/24/08
Collection Date: 03/24/08 17:10
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/01/08 13:41/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:42/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/01/08 13:56/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:58/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.1	pCi/L	U			1	E903.0	04/19/08 23:43/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	04/19/08 23:43/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/19/08 23:43/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/31/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	1.1	pCi/L				1	E903.0	04/13/08 13:30/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	04/13/08 13:30/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	04/13/08 13:30/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	04/02/08 15:30/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	04/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	9.0	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha precision (±)	4.8	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Alpha MDC	6.7	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta	36.5	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta precision (±)	5.6	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Beta MDC	8.3	pCi/L				1	E900.0	04/09/08 12:08/eli-c
Gross Gamma	ND	pCi/L		20.0		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	1.2	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	04/20/08 17:48/eli-c
Thorium 230	0.6	pCi/L		0.2		1	E907.0	04/20/08 17:48/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	04/20/08 17:48/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030252-005
Client Sample ID: DewBurd SUB10

Report Date: 06/24/08
Collection Date: 03/24/08 17:10
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	04/11/08 08:19/eli-b
DATA QUALITY								
A/C Balance (± 5)	6.52					1	A1030 E	06/18/08 00:00/ADM
Anions	27.1	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	30.9	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	1870	mg/L				1	A1030 E	06/18/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.10					1	A1030 E	06/18/08 00:00/ADM

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080328A-ALK-SEL-W	
Sample ID: MBLK1_080328A	Method Blank				Run: PH_COND1-R_080328A			03/28/08 11:41	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_080328A	Laboratory Control Sample				Run: PH_COND1-R_080328A			03/28/08 11:46	
Alkalinity, Total as CaCO3	1010	mg/L	5.0	101	90	110			
Sample ID: R08030251-004BMS	Sample Matrix Spike				Run: PH_COND1-R_080328A			03/28/08 13:15	
Alkalinity, Total as CaCO3	110	mg/L	5.0	104	80	120			
Sample ID: R08030251-004BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080328A			03/28/08 13:16	
Alkalinity, Total as CaCO3	110	mg/L	5.0	104	80	120	0.0	10	
Method: A2510 B								Batch: 080326_1_COND-PROBE-W	
Sample ID: LCS1-1_080326	Laboratory Control Sample				Run: PH_COND2-R_080326A			03/26/08 11:04	
Conductivity @ 25 C	147	umhos/cm	5.0	98	90	110			
Sample ID: LCS2-1_080326	Laboratory Control Sample				Run: PH_COND2-R_080326A			03/26/08 11:05	
Conductivity @ 25 C	4700	umhos/cm	5.0	94	90	110			
Sample ID: LCS_COND-1_080326	Laboratory Control Sample				Run: PH_COND2-R_080326A			03/26/08 11:05	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080326	Method Blank				Run: PH_COND2-R_080326A			03/26/08 11:06	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08030228-001ADUP	Sample Duplicate				Run: PH_COND2-R_080326A			03/26/08 11:08	
Conductivity @ 25 C	3490	umhos/cm	5.0				0.0	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080331A-SLDS-TDS-W	
Sample ID: LCS1_080331A	Laboratory Control Sample				Run: BAL-4-R_080331A			03/31/08 08:28	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	100	90	110			
Sample ID: MBLK1_080331A	Method Blank				Run: BAL-4-R_080331A			03/31/08 08:30	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08030251-001BMS	Sample Matrix Spike				Run: BAL-4-R_080331A			03/31/08 08:33	
Solids, Total Dissolved TDS @ 180 C	1700	mg/L	5.0	110	80	120			
Sample ID: R08030251-001BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080331A			03/31/08 08:34	
Solids, Total Dissolved TDS @ 180 C	1700	mg/L	5.0	114	80	120	0.5	10	
Sample ID: R08030253-002AMS	Sample Matrix Spike				Run: BAL-4-R_080331A			03/31/08 08:44	
Solids, Total Dissolved TDS @ 180 C	2300	mg/L	5.0	106	80	120			
Sample ID: R08030253-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080331A			03/31/08 08:44	
Solids, Total Dissolved TDS @ 180 C	2300	mg/L	5.0	117	80	120	1.0	10	
Method: A2540 D								Batch: 080328A-SLDS-TSS-W	
Sample ID: MBLK1_080328A	Method Blank				Run: BAL-4-R_080328A			03/28/08 07:57	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: LCS1_080328A	Laboratory Control Sample				Run: BAL-4-R_080328A			03/28/08 07:57	
Solids, Total Suspended TSS @ 105 C	180	mg/L	5.0	91	85	115			
Method: A3114 B								Batch: C_SE-3114-080401B	
Sample ID: MBLK	Method Blank				Run: SUB-C98917			04/01/08 13:12	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-48-5	Laboratory Control Sample				Run: SUB-C98917			04/01/08 13:14	
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08031120-001EMS	Sample Matrix Spike				Run: SUB-C98917			04/01/08 13:21	
Selenium	0.054	mg/L	0.0010	108	85	115			
Sample ID: C08031120-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C98917			04/01/08 13:23	
Selenium	0.054	mg/L	0.0010	107	85	115	0.7	10	
Sample ID: R08030252-003H	Sample Matrix Spike				Run: SUB-C98917			04/01/08 13:49	
Selenium	0.054	mg/L	0.0010	106	85	115			
Sample ID: R08030252-003H	Sample Matrix Spike Duplicate				Run: SUB-C98917			04/01/08 13:51	
Selenium	0.053	mg/L	0.0010	105	85	115	0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV-3114-080401	
Sample ID: MBLK	Method Blank				Run: SUB-C98894			04/01/08 09:16	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-48-5	Laboratory Control Sample				Run: SUB-C98894			04/01/08 09:18	
Selenium-IV	0.046	mg/L	0.0010	92	90	110			
Sample ID: C08031120-001EMS	Sample Matrix Spike				Run: SUB-C98894			04/01/08 09:24	
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: C08031120-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C98894			04/01/08 09:27	
Selenium-IV	0.045	mg/L	0.0010	91	85	115	1.1	10	
Method: A3500-Cr B								Batch: 080211A-CR-HEX-W	
Sample ID: MBLK1_080211A	Method Blank				Run: SPEC1_080325A			03/19/08 12:07	
Chromium, Hexavalent	0.007	mg/L	0.005						
Sample ID: LCS1_080211A	Laboratory Control Sample				Run: SPEC1_080325A			03/20/08 12:07	
Chromium, Hexavalent	0.18	mg/L	0.0050	88	80	120			
Sample ID: R08030252-001EMS	Sample Matrix Spike				Run: SPEC1_080325A			03/22/08 12:07	
Chromium, Hexavalent	0.19	mg/L	0.010	97	80	120			
Sample ID: R08030252-002EMS	Sample Matrix Spike				Run: SPEC1_080325A			03/22/08 12:07	
Chromium, Hexavalent	0.16	mg/L	0.050	82	80	120			
Sample ID: R08030252-003EMS	Sample Matrix Spike				Run: SPEC1_080325A			03/22/08 12:07	
Chromium, Hexavalent	0.21	mg/L	0.010	107	80	120			
Sample ID: R08030252-004EMS	Sample Matrix Spike				Run: SPEC1_080325A			03/22/08 12:07	
Chromium, Hexavalent	0.20	mg/L	0.010	100	80	120			
Sample ID: R08030252-005EMS	Sample Matrix Spike				Run: SPEC1_080325A			03/22/08 12:07	
Chromium, Hexavalent	0.21	mg/L	0.010	105	80	120			
Method: A4500-H B								Batch: 080326_1_PH-W	
Sample ID: LCS_pH-1_080326	Laboratory Control Sample				Run: PH_COND2-R_080326B			03/26/08 15:31	
pH	6.94	s.u.	0.010	101	98.55	101.45			
Sample ID: R08030252-001CDUP	Sample Duplicate				Run: PH_COND2-R_080326B			03/26/08 15:35	
pH	6.69	s.u.	0.010				0.1	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-03-28_2_NH3_01	
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080328A			03/28/08 12:26	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080328A			03/28/08 12:27	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	90	90	110			
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080328A			03/28/08 12:37	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: R08030251-003CMS	Sample Matrix Spike				Run: TECHAA2-R_080328A			03/28/08 14:05	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	89	80	120			
Sample ID: R08030253-002BMS	Sample Matrix Spike				Run: TECHAA2-R_080328A			03/28/08 14:19	
Nitrogen, Ammonia as N	0.46	mg/L	0.10	86	80	120			
Sample ID: R08030253-002BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080328A			03/28/08 14:21	
Nitrogen, Ammonia as N	0.47	mg/L	0.10	91	80	120	2.4	10	
Method: A9222 D								Batch: 080325-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080325A			03/25/08 08:45	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18166
Sample ID: MB-18166	Method Blank				Run: SUB-C99401				04/09/08 15:00
Aluminum	0.1	mg/L	0.0007						
Barium	ND	mg/L	0.004						
Boron	ND	mg/L	0.006						
Chromium	ND	mg/L	0.003						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.005						
Manganese	ND	mg/L	0.0008						
Molybdenum	ND	mg/L	0.01						
Vanadium	ND	mg/L	0.006						
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.1						
Potassium	ND	mg/L	0.08						
Silica	ND	mg/L	0.04						
Sodium	ND	mg/L	0.1						
Sample ID: LCS-18166	Laboratory Control Sample				Run: SUB-C99401				04/09/08 15:04
Aluminum	0.580	mg/L	0.10	116	85	115			
Barium	0.498	mg/L	0.10	100	85	115			
Boron	0.496	mg/L	0.10	99	85	115			
Chromium	0.508	mg/L	0.050	102	85	115			
Copper	0.484	mg/L	0.010	97	85	115			
Iron	0.508	mg/L	0.030	102	85	115			
Manganese	0.487	mg/L	0.010	97	85	115			
Molybdenum	0.493	mg/L	0.10	99	85	115			
Vanadium	0.517	mg/L	0.10	103	85	115			
Calcium	52.8	mg/L	1.0	106	85	115			
Magnesium	52.8	mg/L	1.0	106	85	115			
Potassium	49.8	mg/L	1.0	100	85	115			
Silica	0.553	mg/L	0.10	111	85	115			
Sodium	51.0	mg/L	1.0	102	85	115			
Sample ID: C08031189-006D MS	Sample Matrix Spike				Run: SUB-C99401				04/09/08 15:31
Aluminum	0.508	mg/L	0.10	98	70	130			
Barium	0.556	mg/L	0.10	98	70	130			
Boron	0.504	mg/L	0.10	99	70	130			
Chromium	0.493	mg/L	0.050	99	70	130			
Copper	0.474	mg/L	0.010	95	70	130			
Iron	0.542	mg/L	0.030	97	70	130			
Manganese	0.478	mg/L	0.010	95	70	130			
Molybdenum	0.508	mg/L	0.10	98	70	130			
Vanadium	0.502	mg/L	0.10	100	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18166
Sample ID: C08031189-006D MS	Sample Matrix Spike				Run: SUB-C99401				04/09/08 15:31
Calcium	108	mg/L	1.0	99	70	130			
Magnesium	73.2	mg/L	1.0	98	70	130			
Potassium	51.8	mg/L	1.0	98	70	130			
Silica	14.9	mg/L	0.10		70	130			A
Sodium	62.7	mg/L	1.0	100	70	130			
Sample ID: C08031189-006D MSD	Sample Matrix Spike Duplicate				Run: SUB-C99401				04/09/08 15:34
Aluminum	0.512	mg/L	0.10	99	70	130	0.8	20	
Barium	0.557	mg/L	0.10	99	70	130	0.2	20	
Boron	0.505	mg/L	0.10	99	70	130	0.2	20	
Chromium	0.497	mg/L	0.050	99	70	130	0.7	20	
Copper	0.469	mg/L	0.010	94	70	130	1.1	20	
Iron	0.543	mg/L	0.030	97	70	130	0.2	20	
Manganese	0.480	mg/L	0.010	95	70	130	0.4	20	
Molybdenum	0.510	mg/L	0.10	98	70	130	0.4	20	
Vanadium	0.500	mg/L	0.10	100	70	130	0.4	20	
Calcium	108	mg/L	1.0	99	70	130	0.2	20	
Magnesium	73.1	mg/L	1.0	98	70	130	0.1	20	
Potassium	51.3	mg/L	1.0	97	70	130	1.0	20	
Silica	14.8	mg/L	0.10		70	130	0.7	20	A
Sodium	62.2	mg/L	1.0	99	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99463
Sample ID: MB-080410A	Method Blank				Run: SUB-C99463				04/10/08 11:40
Silica	0.2	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Boron	ND	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	ND	mg/L	0.003						
Iron	0.02	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0004						
Molybdenum	ND	mg/L	0.01						
Potassium	ND	mg/L	0.08						
Sodium	ND	mg/L	0.06						
Vanadium	ND	mg/L	0.006						
Zinc	ND	mg/L	0.004						
Sample ID: LFB-080410A	Laboratory Fortified Blank				Run: SUB-C99463				04/10/08 11:44
Silica	1.3	mg/L	0.10	117	85	125			
Aluminum	0.94	mg/L	0.10	94	85	125			
Boron	0.96	mg/L	0.10	96	85	125			
Calcium	51	mg/L	0.50	102	85	125			
Chromium	0.94	mg/L	0.050	94	85	125			
Iron	0.93	mg/L	0.030	91	85	125			
Magnesium	51	mg/L	0.50	102	85	125			
Manganese	0.92	mg/L	0.010	92	85	125			
Molybdenum	0.99	mg/L	0.10	99	85	125			
Potassium	48	mg/L	0.50	96	85	125			
Sodium	49	mg/L	0.50	98	85	125			
Vanadium	0.98	mg/L	0.10	98	85	125			
Zinc	0.95	mg/L	0.010	95	85	125			
Sample ID: R08030252-004A	Sample Matrix Spike				Run: SUB-C99463				04/10/08 13:10
Aluminum	1.86	mg/L	0.10	90	70	130			
Boron	1.94	mg/L	0.10	90	70	130			
Chromium	1.84	mg/L	0.050	90	70	130			
Iron	1.86	mg/L	0.030	89	70	130			
Manganese	1.82	mg/L	0.010	89	70	130			
Molybdenum	1.96	mg/L	0.10	96	70	130			
Vanadium	1.91	mg/L	0.10	94	70	130			
Zinc	1.88	mg/L	0.010	92	70	130			
Calcium	118	mg/L	1.0	98	70	130			
Magnesium	110	mg/L	1.0	97	70	130			
Potassium	109	mg/L	1.0	92	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99463
Sample ID: R08030252-004A	Sample Matrix Spike				Run: SUB-C99463				04/10/08 13:10
Silica	3.56	mg/L	0.12	96	70	130			
Sodium	110	mg/L	1.0	94	70	130			
Sample ID: R08030252-004A	Sample Matrix Spike Duplicate				Run: SUB-C99463				04/10/08 13:14
Aluminum	1.92	mg/L	0.10	93	70	130	3.0	20	
Boron	2.03	mg/L	0.10	94	70	130	4.1	20	
Chromium	1.90	mg/L	0.050	93	70	130	3.1	20	
Iron	1.93	mg/L	0.030	93	70	130	3.7	20	
Manganese	1.90	mg/L	0.010	93	70	130	3.8	20	
Molybdenum	1.97	mg/L	0.10	97	70	130	0.7	20	
Vanadium	1.99	mg/L	0.10	98	70	130	4.1	20	
Zinc	1.96	mg/L	0.010	96	70	130	3.9	20	
Calcium	118	mg/L	1.0	98	70	130	0.0	20	
Magnesium	111	mg/L	1.0	98	70	130	0.2	20	
Potassium	110	mg/L	1.0	92	70	130	0.2	20	
Silica	3.60	mg/L	0.12	98	70	130	1.2	20	
Sodium	110	mg/L	1.0	94	70	130	0.4	20	

Qualifiers:
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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18166
Sample ID: MB-18166	Method Blank				Run: SUB-C99461			04/10/08 17:52	
Arsenic	0.0004	mg/L	5E-05						
Cadmium	ND	mg/L	4E-05						
Copper	ND	mg/L	0.0002						
Lead	1E-05	mg/L							
Nickel	ND	mg/L	6E-05						
Silver	ND	mg/L	5E-05						
Thorium 232	0.0001	mg/L	7E-05						
Uranium	0.00010	mg/L	3E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LCS1-18166	Laboratory Control Sample				Run: SUB-C99461			04/10/08 17:59	
Arsenic	0.0201	mg/L	0.0010	99	80	120			
Cadmium	0.0203	mg/L	0.010	101	80	120			
Copper	0.0199	mg/L	0.010	99	80	120			
Lead	0.0212	mg/L	0.050	106	80	120			
Nickel	0.0199	mg/L	0.050	99	80	120			
Silver	0.0207	mg/L	0.010	103	80	120			
Thorium 232	0.0188	mg/L	0.0010	93	80	120			
Uranium	0.0200	mg/L	0.00030	100	80	120			
Zinc	0.0229	mg/L	0.010	104	80	120			
Sample ID: C08031189-006DMS4	Post Digestion Spike				Run: SUB-C99461			04/10/08 20:42	
Arsenic	0.0215	mg/L	0.0010	104	70	130			
Cadmium	0.0209	mg/L	0.010	104	70	130			
Copper	0.0219	mg/L	0.010	99	70	130			
Lead	0.0206	mg/L	0.050	101	70	130			
Nickel	0.0212	mg/L	0.050	101	70	130			
Silver	0.0213	mg/L	0.010	106	70	130			
Thorium 232	0.0202	mg/L	0.0010	101	70	130			
Uranium	0.471	mg/L	0.00030		70	130			A
Zinc	0.0253	mg/L	0.010	100	70	130			
Sample ID: C08031189-006DMSD4	Post Digestion Spike Duplicate				Run: SUB-C99461			04/10/08 20:48	
Arsenic	0.0219	mg/L	0.0010	106	70	130	1.8	20	
Cadmium	0.0208	mg/L	0.010	104	70	130	0.7	20	
Copper	0.0221	mg/L	0.010	99	70	130	0.5	20	
Lead	0.0208	mg/L	0.050	102	70	130	0.0	20	
Nickel	0.0208	mg/L	0.050	99	70	130	0.0	20	
Silver	0.0210	mg/L	0.010	105	70	130	1.6	20	
Thorium 232	0.0205	mg/L	0.0010	103	70	130	1.7	20	
Uranium	0.474	mg/L	0.00030		70	130	0.5	20	A

Qualifiers:

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ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18166
Sample ID: C08031189-006DMSD4	Post Digestion Spike Duplicate				Run: SUB-C99461				04/10/08 20:48
Zinc	0.0281	mg/L	0.010	114	70	130	11	20	
Method: E200.8									Batch: C_18171
Sample ID: MB-18171	Method Blank				Run: SUB-C99526				04/13/08 13:14
Thorium 232	0.0003	mg/L							
Uranium	0.00010	mg/L	2E-05						
Sample ID: LCS1-18171	Laboratory Control Sample				Run: SUB-C99526				04/13/08 13:21
Uranium	0.0509	mg/L	0.00030	97	80	120			
LCS1 was not spiked with thorium.									
Sample ID: R08030252-005K	Post Digestion Spike				Run: SUB-C99526				04/13/08 14:13
Thorium 232	0.0270	mg/L	0.0010	96	70	130			
Uranium	0.0246	mg/L	0.00030	96	70	130			
Sample ID: R08030252-005K	Post Digestion Spike Duplicate				Run: SUB-C99526				04/13/08 14:40
Thorium 232	0.0267	mg/L	0.0010	95	70	130	1.0	20	
Uranium	0.0243	mg/L	0.00030	95	70	130	1.1	20	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R99526
Sample ID: LRB	Method Blank				Run: SUB-C99526				04/13/08 11:49
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Silver	4E-05	mg/L	3E-05						
Thorium 232	7E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C99526				04/13/08 11:54
Arsenic	0.0522	mg/L	0.0010	104	85	115			
Barium	0.0518	mg/L	0.0010	103	85	115			
Cadmium	0.0518	mg/L	0.0010	104	85	115			
Copper	0.0501	mg/L	0.0010	100	85	115			
Lead	0.0519	mg/L	0.0010	104	85	115			
Mercury	0.00510	mg/L	0.0010	102	85	115			
Nickel	0.0519	mg/L	0.0010	104	85	115			
Silver	0.0215	mg/L	0.0010	107	85	115			
Thorium 232	0.0496	mg/L	0.0010	99	85	115			
Uranium	0.0499	mg/L	0.00030	100	85	115			
Sample ID: C08040139-004AMS4	Post Digestion Spike				Run: SUB-C99526				04/13/08 15:14
Arsenic	0.109	mg/L	0.0010	105	70	130			
Barium	0.155	mg/L	0.10	95	70	130			
Cadmium	0.0469	mg/L	0.010	93	70	130			
Copper	0.0455	mg/L	0.010	87	70	130			
Lead	0.0509	mg/L	0.050	102	70	130			
Mercury	0.00516	mg/L	0.0010	103	70	130			
Nickel	0.0507	mg/L	0.050	92	70	130			
Silver	0.0183	mg/L	0.010	91	70	130			
Thorium 232	0.0539	mg/L	0.0010	108	70	130			
Uranium	0.0915	mg/L	0.00030	113	70	130			
Sample ID: C08040139-004AMSD4	Post Digestion Spike Duplicate				Run: SUB-C99526				04/13/08 15:21
Arsenic	0.108	mg/L	0.0010	103	70	130	0.9	20	
Barium	0.156	mg/L	0.10	97	70	130	0.8	20	
Cadmium	0.0468	mg/L	0.010	93	70	130	0.0	20	
Copper	0.0453	mg/L	0.010	86	70	130	0.4	20	
Lead	0.0509	mg/L	0.050	102	70	130	0.0	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R99526	
Sample ID: C08040139-004AMSD4	Post Digestion Spike Duplicate				Run: SUB-C99526			04/13/08 15:21	
Mercury	0.00522	mg/L	0.0010	104	70	130	1.2	20	
Nickel	0.0507	mg/L	0.050	92	70	130	0.0	20	
Silver	0.0185	mg/L	0.010	92	70	130	1.2	20	
Thorium 232	0.0542	mg/L	0.0010	108	70	130	0.6	20	
Uranium	0.0899	mg/L	0.00030	110	70	130	1.7	20	
Method: E245.1								Batch: C_B_31842	
Sample ID: MB-31842	Method Blank				Run: SUB-C99444			04/10/08 12:28	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31842	Laboratory Fortified Blank				Run: SUB-C99444			04/10/08 12:31	
Mercury	0.0018	mg/L	0.0010	89	85	115			
Sample ID: B08040061-002BMS	Sample Matrix Spike				Run: SUB-C99444			04/10/08 13:33	
Mercury	0.0020	mg/L	0.0010	98	70	130			
Sample ID: B08040061-002BMSD	Sample Matrix Spike Duplicate				Run: SUB-C99444			04/10/08 13:35	
Mercury	0.0021	mg/L	0.0010	103	70	130	4.5	30	
Sample ID: B08031945-002BMS	Sample Matrix Spike				Run: SUB-C99444			04/10/08 12:58	
Mercury	0.0018	mg/L	0.00020	90	70	130			
Sample ID: B08031945-002BMSD	Sample Matrix Spike Duplicate				Run: SUB-C99444			04/10/08 13:00	
Mercury	0.0019	mg/L	0.00020	93	70	130	2.2	10	
Method: E245.1								Batch: C_B_31854	
Sample ID: MB-31854	Method Blank				Run: SUB-C99521			04/11/08 08:14	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31854	Laboratory Fortified Blank				Run: SUB-C99521			04/11/08 08:16	
Mercury	0.0018	mg/L	0.0010	88	85	115			
Sample ID: R08030252-005B	Sample Matrix Spike				Run: SUB-C99521			04/11/08 08:21	
Mercury	0.0018	mg/L	0.0010	88	70	130			
Sample ID: R08030252-005B	Sample Matrix Spike Duplicate				Run: SUB-C99521			04/11/08 08:23	
Mercury	0.0019	mg/L	0.0010	94	70	130	6.6	30	
Method: E245.1								Analytical Run: SUB-C99444	
Sample ID: QCS	Initial Calibration Verification Standard							04/10/08 12:12	
Mercury	0.0020	mg/L	0.0010	98	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1								Analytical Run: SUB-C99521	
Sample ID: QCS	Initial Calibration Verification Standard							04/11/08 08:03	
Mercury	0.0018	mg/L	0.0010	91	90	110			
Method: E245.1								Analytical Run: SUB-C99880	
Sample ID: QCS	Initial Calibration Verification Standard							04/18/08 11:37	
Mercury	0.0020	mg/L	0.0010	101	90	110			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33953
Sample ID: LFB0803265758-3	Laboratory Fortified Blank				Run: DIONEX_080326A				03/26/08 11:31
Chloride	4.93	mg/L	0.50	99	90	110			
Fluoride	2.06	mg/L	0.10	103	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: LFB0803265758-4	Laboratory Fortified Blank				Run: DIONEX_080326A				03/26/08 11:46
Chloride	4.92	mg/L	0.50	98	90	110			
Fluoride	2.06	mg/L	0.10	103	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: R08030252-001CMS	Sample Matrix Spike				Run: DIONEX_080326A				03/26/08 12:17
Chloride	250	mg/L	5.4	94	80	120			
Fluoride	105	mg/L	0.56	100	80	120			
Nitrogen, Nitrate as N	118	mg/L	1.3	94	80	120			
Sulfate	704	mg/L	3.4	83	80	120			
Sample ID: R08030252-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080326A				03/26/08 12:33
Chloride	239	mg/L	5.4	90	80	120	4.3	10	
Fluoride	101	mg/L	0.56	96	80	120	3.5	10	
Nitrogen, Nitrate as N	112	mg/L	1.3	90	80	120	4.7	10	
Sulfate	701	mg/L	3.4	83	80	120	0.4	10	
Sample ID: R08030252-005CMS	Sample Matrix Spike				Run: DIONEX_080326A				03/26/08 15:22
Chloride	262	mg/L	5.4	92	80	120			
Fluoride	106	mg/L	0.56	101	80	120			
Nitrogen, Nitrate as N	115	mg/L	1.3	92	80	120			
Sulfate	1920	mg/L	3.4	95	80	120			
Sample ID: R08030252-005CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080326A				03/26/08 15:38
Chloride	252	mg/L	5.4	88	80	120	4.0	10	
Fluoride	102	mg/L	0.56	97	80	120	4.0	10	
Nitrogen, Nitrate as N	110	mg/L	1.3	88	80	120	4.6	10	
Sulfate	1830	mg/L	3.4	83	80	120	4.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0421	
Sample ID: MB-GrAB-0421	Method Blank				Run: SUB-C99588			04/08/08 23:35	
Gross Alpha	-0.3	pCi/L							U
Gross Beta	-0.8	pCi/L							U
Sample ID: UNAT-GrAB-0421	Laboratory Control Sample				Run: SUB-C99588			04/08/08 23:36	
Gross Alpha	290	pCi/L		120	70	130			
Sample ID: C08031229-001AMS	Sample Matrix Spike				Run: SUB-C99588			04/08/08 23:35	
Gross Beta	99	pCi/L		106	70	130			
Sample ID: C08031229-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99588			04/08/08 23:36	
Gross Beta	96	pCi/L		102	70	130	3.7	15.6	
Sample ID: C08031215-001AIDUP	Sample Duplicate				Run: SUB-C99588			04/09/08 12:08	
Gross Alpha	180	pCi/L					4.7	22.9	
Gross Beta	92.9	pCi/L					4.8	21.2	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R99476
Sample ID: LCS-R99476	Laboratory Control Sample				Run: SUB-C99476				04/04/08 16:45
Americium 241	740	pCi/L	20	91	70	130			
Cesium 137	1200	pCi/L	20	83	70	130			
Sample ID: MB-R99476	Method Blank				Run: SUB-C99476				04/04/08 16:45
Americium 241	ND	pCi/L							
Barium 133	ND	pCi/L							
Bismuth 212	ND	pCi/L							
Bismuth 214	ND	pCi/L							
Cesium 134	ND	pCi/L							
Cesium 137	ND	pCi/L							
Cobalt 60	ND	pCi/L							
Iodine 125	ND	pCi/L							
Iodine 131	ND	pCi/L							
Lead 212	ND	pCi/L							
Lead 214	ND	pCi/L							
Manganese 54	ND	pCi/L							
Potassium 40	ND	pCi/L							
Radium 223	ND	pCi/L							
Radium 224	ND	pCi/L							
Thallium 208	ND	pCi/L							
Thorium 228	ND	pCi/L							
Thorium 234	ND	pCi/L							
Zinc 65	ND	pCi/L							
Radium 228	ND	pCi/L							
Gross Gamma	ND	pCi/L							U
Method: E903.0									Batch: C_R99766
Sample ID: C08031096-006AMS	Sample Matrix Spike				Run: SUB-C99766				04/12/08 23:58
Radium 226	73.3	pCi/Filter		106	70	130			
Sample ID: C08031096-006AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99766				04/13/08 01:28
Radium 226	71.9	pCi/Filter		104	70	130	1.8	25.2	
Sample ID: LCS-18171	Laboratory Control Sample				Run: SUB-C99766				04/13/08 22:32
Radium 226	12	pCi/L		89	70	130			
Sample ID: MB-18171	Method Blank				Run: SUB-C99766				04/14/08 00:02
Radium 226	0.5	pCi/L							

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08030252

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0								Batch: C_RA226-2718	
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: SUB-C99973			04/20/08 12:08	
Radium 226	6.0	pCi/L		92	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: SUB-C99973			04/20/08 13:38	
Radium 226	6.5	pCi/L		99	70	130	7.5	25.7	
Sample ID: MB-RA226-2718	Method Blank				Run: SUB-C99973			04/20/08 15:08	
Radium 226	-0.02	pCi/L							U
Sample ID: LCS-RA226-2718	Laboratory Control Sample				Run: SUB-C99973			04/20/08 16:39	
Radium 226	6.5	pCi/L		102	70	130			
Method: E907.0								Batch: C_18171	
Sample ID: C08031096-005AMS	Sample Matrix Spike				Run: SUB-C99557			04/02/08 15:30	
Thorium 230	47.2	pCi/Filter	0.20	93	70	130			
Sample ID: C08031096-005AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99557			04/02/08 15:30	
Thorium 230	47.3	pCi/Filter	0.20	94	70	130	0.2	30	
Sample ID: LCS-18171	Laboratory Control Sample				Run: SUB-C99557			04/02/08 15:30	
Thorium 230	43.2	pCi/Filter	0.20	89	70	130			
Sample ID: MB-18171	Method Blank				Run: SUB-C99557			04/02/08 15:30	
Thorium 230	0.2	pCi/Filter							
Method: E907.0								Batch: C_R99362	
Sample ID: LCS-R99362	Laboratory Control Sample				Run: SUB-C99362			03/31/08 14:00	
Thorium 230	8.20	pCi/L	0.20	116	70	130			
Sample ID: C08030555-001HMS	Sample Matrix Spike				Run: SUB-C99362			03/31/08 14:00	
Thorium 230	13.7	pCi/L	0.20	121	70	130			
Sample ID: C08030555-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C99362			03/31/08 14:00	
Thorium 230	13.2	pCi/L	0.20	116	70	130	3.7	30	
Sample ID: MB-R99362	Method Blank				Run: SUB-C99362			03/31/08 14:00	
Thorium 230	0.1	pCi/L							

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
RESPEC	Power Tech Dewey Burdock	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	Cory.foreman@respec.com		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
RESPEC			

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

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

ANALYSIS REQUESTED

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 2.0 °C

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)													LABORATORY USE ONLY
1	Dew Burd GW 650	03/24/08	0900	W											set 5 GW		
2	~~Dew Burd GW 15~~	~~03/24/08~~	~~1030~~	~~W~~											~~set 11 GW~~		
3	Dew Burd SUB 11	03/24/08	11:10	W											Set 12 SW		0805 0857-001
4	Dew Burd SUB7	03/24/08	11:55	W											Set 4 SW		002
5	Dew Burd SUB1	03/24/08	12:45	W											Set 8 SW		003
6	Dew Burd GW619	03/24/08	15:40	W											Set 19 GW		
7	Dew Burd SUB9	03/24/08	16:25	W											Set 10 SW		004
8	Dew Burd SUB10	03/24/08	17:10	W											Set 13 SW		005
9																	
10																	

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	03/25/08 0810				
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: _____ Lab Disposal: _____			Received by Laboratory: Linda Larson	Date/Time: 3/25/08 0810	Signature:

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

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ANALYTICAL SUMMARY REPORT

June 24, 2008

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

Workorder No.: R08040178 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 4/15/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040178-001	DewBurd CHR05	04/14/08 11:00	04/15/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08040178-002	DewBurd CHR05	04/14/08 11:05	04/15/08	Aqueous	Same As Above
R08040178-003	DewBurd BVC04	04/14/08 14:55	04/15/08	Aqueous	Same As Above
R08040178-004	DewBurd BVC01	04/14/08 18:43	04/15/08	Aqueous	Same As Above

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

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

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-001
Client Sample ID: DewBurd CHR05

Report Date: 06/24/08
Collection Date: 04/14/08 11:00
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	04/15/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	164	mg/L		5		1	A2320 B	04/16/08 12:06/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/16/08 12:06/mb
Bicarbonate as HCO3	200	mg/L		5		1	A2320 B	04/16/08 12:06/mb
Calcium	407	mg/L		0.5		2	E200.7	05/05/08 11:20/eli-c
Chloride	780	mg/L	D	5		50	E300.0	04/16/08 18:41/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	04/16/08 19:27/jmh
Magnesium	127	mg/L		0.5		2	E200.7	05/05/08 11:20/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/17/08 14:16/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/16/08 19:27/jmh
Potassium	8	mg/L		1		2	E200.7	05/05/08 11:20/eli-c
Silica	3.4	mg/L		0.5		2	E200.7	05/05/08 11:20/eli-c
Sodium	572	mg/L		0.5		2	E200.7	05/05/08 11:20/eli-c
Sulfate	1540	mg/L	D	3		50	E300.0	04/16/08 18:41/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5150	umhos/cm		5.0		1	A2510 B	04/21/08 16:53/jmh
pH	8.10	s.u.		0.01		1	A4500-H B	04/21/08 16:28/jmh
Sodium Adsorption Ratio (SAR)	6.3	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Suspended Sediment SSC @ 105 C	15	mg/L		5		1	D3977	04/23/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	3700	mg/L		5		1	A2540 C	04/16/08 16:22/mb
Solids, Total Suspended TSS @ 105 C	19	mg/L		5		1	A2540 D	04/16/08 08:25/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 11:20/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/07/08 00:30/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 00:30/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	05/05/08 11:20/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 00:30/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	05/05/08 11:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 00:30/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 11:20/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 00:30/eli-c
Manganese	0.59	mg/L		0.01		2	E200.7	05/05/08 11:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 00:30/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 11:20/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-001
Client Sample ID: DewBurd CHR05

Report Date: 06/24/08
Collection Date: 04/14/08 11:00
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	05/07/08 00:30/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 00:30/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 00:30/eli-c
Uranium	0.0134	mg/L		0.0003		1	E200.8	05/07/08 00:30/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 11:20/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 11:20/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	05/01/08 20:18/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	05/01/08 20:18/eli-c
METALS - TOTAL								
Aluminum	0.4	mg/L		0.1		2	E200.7	04/29/08 00:08/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/26/08 01:05/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/29/08 00:08/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	04/29/08 00:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/26/08 01:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	04/26/08 01:05/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	04/15/08 00:00/ch
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/17/08 00:00/ADM
Copper	ND	mg/L		0.01		1	E200.8	04/26/08 01:05/eli-c
Iron	0.36	mg/L		0.03		2	E200.7	04/29/08 00:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/26/08 01:05/eli-c
Manganese	0.73	mg/L		0.01		1	E200.8	04/26/08 01:05/eli-c
Mercury	ND	mg/L		0.0006		1	E200.8	04/26/08 01:05/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/26/08 01:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/26/08 01:05/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/26/08 01:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/26/08 01:05/eli-c
Uranium	0.0141	mg/L		0.0003		1	E200.8	04/26/08 01:05/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/26/08 01:05/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/26/08 01:05/eli-c
Calcium	430	mg/L		0.5		2	E200.7	04/29/08 00:08/eli-c
Magnesium	138	mg/L		0.5		2	E200.7	04/29/08 00:08/eli-c
Potassium	8.4	mg/L		0.5		2	E200.7	04/29/08 00:08/eli-c
Silica	5.4	mg/L		0.5		2	E200.7	04/29/08 00:08/eli-c
Sodium	634	mg/L		0.5		2	E200.7	04/29/08 00:08/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-001
Client Sample ID: DewBurd CHR05

Report Date: 06/24/08
Collection Date: 04/14/08 11:00
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/18/08 14:24/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/18/08 10:42/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/18/08 15:15/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/18/08 14:41/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/18/08 10:59/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/18/08 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.1	pCi/L	U			1	E903.0	05/06/08 09:47/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/06/08 09:47/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	05/06/08 09:47/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/22/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/22/08 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	0.3	pCi/L	U			1	E903.0	05/05/08 06:45/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/05/08 06:45/eli-c
Radium 226 MDC	0.8	pCi/L				1	E903.0	05/05/08 06:45/eli-c
Thorium 230	0.1	pCi/L	U			1	E907.0	04/21/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/21/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	19.8	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Alpha precision (±)	10.0	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Alpha MDC	13.8	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Beta	10.2	pCi/L	U			1	E900.0	05/09/08 01:51/eli-c
Gross Beta precision (±)	8.5	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Beta MDC	13.9	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	04/21/08 16:56/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/21/08 16:56/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.4	pCi/L	U			1	E903.0	05/28/08 18:43/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/28/08 18:43/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/28/08 18:43/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	05/28/08 18:43/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-001
Client Sample ID: DewBurd CHR05

Report Date: 06/24/08
Collection Date: 04/14/08 11:00
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	04/24/08 16:44/eli-b
DATA QUALITY								
A/C Balance (± 5)	-1.29					1	A1030 E	06/17/08 00:00/ADM
Anions	57.4	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	55.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	3540	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.06					1	A1030 E	06/17/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-002
Client Sample ID: DewBurd CHR05

Report Date: 06/24/08
Collection Date: 04/14/08 11:05
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	04/15/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	168	mg/L		5		1	A2320 B	04/16/08 12:17/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/16/08 12:17/mb
Bicarbonate as HCO3	205	mg/L		5		1	A2320 B	04/16/08 12:17/mb
Calcium	457	mg/L		0.5		2	E200.7	05/06/08 16:19/eli-c
Chloride	861	mg/L	D	5		50	E300.0	04/16/08 19:43/jmh
Fluoride	1.0	mg/L		0.1		1	E300.0	04/16/08 19:58/jmh
Magnesium	127	mg/L		0.5		2	E200.7	05/05/08 11:33/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/17/08 13:56/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/16/08 19:58/jmh
Potassium	8	mg/L		1		2	E200.7	05/05/08 11:33/eli-c
Silica	3.4	mg/L		0.5		2	E200.7	05/05/08 11:33/eli-c
Sodium	580	mg/L		0.5		2	E200.7	05/05/08 11:33/eli-c
Sulfate	1710	mg/L	D	3		50	E300.0	04/16/08 19:43/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5150	umhos/cm		5.0		1	A2510 B	04/21/08 16:55/jmh
pH	8.04	s.u.		0.01		1	A4500-H B	04/21/08 16:30/jmh
Sodium Adsorption Ratio (SAR)	6.2	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Suspended Sediment SSC @ 105 C	18	mg/L		5		1	D3977	04/23/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	3800	mg/L		5		1	A2540 C	04/16/08 16:23/mb
Solids, Total Suspended TSS @ 105 C	20	mg/L		5		1	A2540 D	04/16/08 08:26/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 11:33/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/07/08 00:37/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/06/08 16:19/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	05/05/08 11:33/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 00:37/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	05/05/08 11:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 00:37/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 11:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 00:37/eli-c
Manganese	0.59	mg/L		0.01		2	E200.7	05/05/08 11:33/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 00:37/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 11:33/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-002
Client Sample ID: DewBurd CHR05

Report Date: 06/24/08
Collection Date: 04/14/08 11:05
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	05/06/08 16:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 00:37/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 00:37/eli-c
Uranium	0.0135	mg/L		0.0003		1	E200.8	05/07/08 00:37/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 11:33/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	05/05/08 11:33/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	05/01/08 20:25/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/01/08 20:25/eli-c
METALS - TOTAL								
Aluminum	0.4	mg/L		0.1		2	E200.7	04/29/08 00:12/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/26/08 01:12/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/29/08 00:12/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	04/29/08 00:12/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/26/08 01:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	04/26/08 01:12/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	04/15/08 00:00/ch
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/17/08 00:00/ADM
Copper	ND	mg/L		0.01		1	E200.8	04/26/08 01:12/eli-c
Iron	0.43	mg/L		0.03		2	E200.7	04/29/08 00:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/26/08 01:12/eli-c
Manganese	0.73	mg/L		0.01		1	E200.8	04/26/08 01:12/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	04/26/08 01:12/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/26/08 01:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/26/08 01:12/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/26/08 01:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/26/08 01:12/eli-c
Uranium	0.0140	mg/L		0.0003		1	E200.8	04/26/08 01:12/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/26/08 01:12/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/26/08 01:12/eli-c
Calcium	418	mg/L		0.5		2	E200.7	04/29/08 00:12/eli-c
Magnesium	134	mg/L		0.5		2	E200.7	04/29/08 00:12/eli-c
Potassium	9.6	mg/L		0.5		2	E200.7	04/29/08 00:12/eli-c
Silica	5.6	mg/L		0.5		2	E200.7	04/29/08 00:12/eli-c
Sodium	630	mg/L		0.5		2	E200.7	04/29/08 00:12/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-002
Client Sample ID: DewBurd CHR05

Report Date: 06/24/08
Collection Date: 04/14/08 11:05
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/18/08 14:30/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/18/08 10:49/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/18/08 15:15/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/18/08 14:47/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/18/08 11:05/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/18/08 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.1	pCi/L	U			1	E903.0	05/06/08 09:47/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/06/08 09:47/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	05/06/08 09:47/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/22/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/22/08 15:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	0.5	pCi/L	U			1	E903.0	05/05/08 08:16/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/05/08 08:16/eli-c
Radium 226 MDC	0.8	pCi/L				1	E903.0	05/05/08 08:16/eli-c
Thorium 230	0.3	pCi/L				1	E907.0	04/21/08 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/21/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	19.9	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Alpha precision (±)	10.0	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Alpha MDC	13.9	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Beta	-0.1	pCi/L	U			1	E900.0	05/09/08 01:51/eli-c
Gross Beta precision (±)	8.3	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Beta MDC	14.0	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	04/21/08 16:56/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/21/08 16:56/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.5	pCi/L	U			1	E903.0	05/28/08 18:43/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/28/08 18:43/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	05/28/08 18:43/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	05/28/08 18:43/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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-002
Client Sample ID: DewBurd CHR05

Report Date: 06/24/08
Collection Date: 04/14/08 11:05
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	04/24/08 16:46/eli-b
DATA QUALITY								
A/C Balance (± 5)	-3.76					1	A1030 E	06/17/08 00:00/ADM
Anions	63.4	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	58.8	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	3860	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	06/17/08 00:00/ADM

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-003
Client Sample ID: DewBurd BVC04

Report Date: 06/24/08
Collection Date: 04/14/08 14:55
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	04/15/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	186	mg/L		5		1	A2320 B	04/16/08 12:20/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/16/08 12:20/mb
Bicarbonate as HCO3	227	mg/L		5		1	A2320 B	04/16/08 12:20/mb
Calcium	455	mg/L		0.5		2	E200.7	05/06/08 16:56/eli-c
Chloride	1730	mg/L	D	20		200	E300.0	04/18/08 18:32/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	04/16/08 20:29/jmh
Magnesium	177	mg/L		0.5		2	E200.7	05/06/08 16:56/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/17/08 14:37/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/16/08 20:29/jmh
Potassium	6	mg/L		1		2	E200.7	05/06/08 16:56/eli-c
Silica	2.6	mg/L		0.5		2	E200.7	05/05/08 11:37/eli-c
Sodium	995	mg/L		0.5		2	E200.7	05/05/08 11:37/eli-c
Sulfate	1860	mg/L	D	3		50	E300.0	04/16/08 20:14/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	7540	umhos/cm		5.0		1	A2510 B	04/21/08 16:56/jmh
pH	7.97	s.u.		0.01		1	A4500-H B	04/21/08 16:31/jmh
Sodium Adsorption Ratio (SAR)	10	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Suspended Sediment SSC @ 105 C	40	mg/L		5		1	D3977	04/23/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	5100	mg/L		5		1	A2540 C	04/16/08 16:23/mb
Solids, Total Suspended TSS @ 105 C	32	mg/L		5		1	A2540 D	04/16/08 08:26/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 11:37/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/07/08 00:44/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/06/08 16:56/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	05/05/08 11:37/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 00:44/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	05/05/08 11:37/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/05/08 11:37/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	05/05/08 11:37/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 00:44/eli-c
Manganese	0.55	mg/L		0.01		2	E200.7	05/05/08 11:37/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 00:44/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 11:37/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-003
Client Sample ID: DewBurd BVC04

Report Date: 06/24/08
Collection Date: 04/14/08 14:55
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	05/06/08 16:56/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 00:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 00:44/eli-c
Uranium	0.0165	mg/L		0.0003		1	E200.8	05/07/08 00:44/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 11:37/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/06/08 16:56/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	05/01/08 20:32/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/01/08 20:32/eli-c
METALS - TOTAL								
Aluminum	0.7	mg/L		0.1		2	E200.7	04/29/08 00:15/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	04/26/08 01:19/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/29/08 00:15/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	04/29/08 00:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/26/08 01:19/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	04/26/08 01:19/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	04/15/08 00:00/ch
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/17/08 00:00/ADM
Copper	ND	mg/L		0.01		1	E200.8	04/26/08 01:19/eli-c
Iron	0.74	mg/L		0.03		2	E200.7	04/29/08 00:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/26/08 01:19/eli-c
Manganese	0.72	mg/L		0.01		1	E200.8	04/26/08 01:19/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	04/26/08 01:19/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/26/08 01:19/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/26/08 01:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/26/08 01:19/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/26/08 01:19/eli-c
Uranium	0.0169	mg/L		0.0003		1	E200.8	04/26/08 01:19/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/26/08 01:19/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/26/08 01:19/eli-c
Calcium	401	mg/L		0.5		2	E200.7	04/29/08 00:15/eli-c
Magnesium	161	mg/L		0.5		2	E200.7	04/29/08 00:15/eli-c
Potassium	14.4	mg/L		0.5		2	E200.7	04/29/08 00:15/eli-c
Silica	6.0	mg/L		0.5		2	E200.7	04/29/08 00:15/eli-c
Sodium	1070	mg/L		0.5		2	E200.7	04/29/08 00:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-003
Client Sample ID: DewBurd BVC04

Report Date: 06/24/08
Collection Date: 04/14/08 14:55
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/18/08 14:33/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/18/08 10:51/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/18/08 15:15/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/18/08 14:49/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/18/08 11:08/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/18/08 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.1	pCi/L	U			1	E903.0	05/06/08 09:47/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/06/08 09:47/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	05/06/08 09:47/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/25/08 11:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/25/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	0.2	pCi/L	U			1	E903.0	05/05/08 09:46/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/05/08 09:46/eli-c
Radium 226 MDC	0.8	pCi/L				1	E903.0	05/05/08 09:46/eli-c
Thorium 230	0.1	pCi/L	U			1	E907.0	04/21/08 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/21/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	23.4	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Alpha precision (±)	14.2	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Alpha MDC	20.4	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Beta	2.8	pCi/L	U			1	E900.0	05/09/08 01:51/eli-c
Gross Beta precision (±)	11.2	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Beta MDC	18.8	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	04/21/08 16:56/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/21/08 16:56/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.3	pCi/L	U			1	E903.0	05/28/08 18:43/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/28/08 18:43/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	05/28/08 18:43/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/28/08 18:43/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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-003
Client Sample ID: DewBurd BVC04

Report Date: 06/24/08
Collection Date: 04/14/08 14:55
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	04/24/08 16:49/eli-b
DATA QUALITY								
A/C Balance (± 5)	-6.02					1	A1030 E	06/17/08 00:00/ADM
Anions	91.1	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	80.8	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	5340	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	06/17/08 00:00/ADM

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-004
Client Sample ID: DewBurd BVC01

Report Date: 06/24/08
Collection Date: 04/14/08 18:43
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	04/15/08 11:00/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	160	mg/L		5		1	A2320 B	04/16/08 12:24/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/16/08 12:24/mb
Bicarbonate as HCO3	195	mg/L		5		1	A2320 B	04/16/08 12:24/mb
Calcium	425	mg/L		0.5		2	E200.7	05/06/08 17:00/eli-c
Chloride	973	mg/L	D	5		50	E300.0	04/16/08 20:45/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	04/16/08 21:31/jmh
Magnesium	127	mg/L		0.5		2	E200.7	05/05/08 11:40/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/17/08 14:40/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/16/08 21:31/jmh
Potassium	10	mg/L		1		2	E200.7	05/05/08 11:40/eli-c
Silica	2.1	mg/L		0.5		2	E200.7	05/05/08 11:40/eli-c
Sodium	625	mg/L		0.5		2	E200.7	05/05/08 11:40/eli-c
Sulfate	1570	mg/L	D	3		50	E300.0	04/16/08 20:45/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5340	umhos/cm		5.0		1	A2510 B	04/21/08 16:57/jmh
pH	8.09	s.u.		0.01		1	A4500-H B	04/21/08 16:31/jmh
Sodium Adsorption Ratio (SAR)	6.8	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Suspended Sediment SSC @ 105 C	19	mg/L		5		1	D3977	04/23/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	3800	mg/L		5		1	A2540 C	04/18/08 14:21/mb
Solids, Total Suspended TSS @ 105 C	17	mg/L		5		1	A2540 D	04/16/08 08:26/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 11:40/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/07/08 00:50/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/06/08 17:00/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	05/05/08 11:40/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 00:50/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	05/05/08 11:40/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/05/08 11:40/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 11:40/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 00:50/eli-c
Manganese	0.83	mg/L		0.01		2	E200.7	05/05/08 11:40/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 00:50/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 11:40/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-004
Client Sample ID: DewBurd BVC01

Report Date: 06/24/08
Collection Date: 04/14/08 18:43
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	05/06/08 17:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 00:50/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 00:50/eli-c
Uranium	0.0125	mg/L		0.0003		1	E200.8	05/07/08 00:50/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 11:40/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 11:40/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	05/01/08 20:38/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/01/08 20:38/eli-c
METALS - TOTAL								
Aluminum	0.5	mg/L		0.1		2	E200.7	04/29/08 00:19/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/26/08 01:26/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/29/08 00:19/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	04/29/08 00:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/26/08 01:26/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	04/26/08 01:26/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	04/15/08 00:00/ch
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/17/08 00:00/ADM
Copper	ND	mg/L		0.01		1	E200.8	04/26/08 01:26/eli-c
Iron	0.52	mg/L		0.03		2	E200.7	04/29/08 00:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/26/08 01:26/eli-c
Manganese	0.98	mg/L		0.01		1	E200.8	04/26/08 01:26/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	04/26/08 01:26/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	04/26/08 01:26/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/26/08 01:26/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/26/08 01:26/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/26/08 01:26/eli-c
Uranium	0.0127	mg/L		0.0003		1	E200.8	04/26/08 01:26/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	04/26/08 01:26/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/26/08 01:26/eli-c
Calcium	381	mg/L		0.5		2	E200.7	04/29/08 00:19/eli-c
Magnesium	128	mg/L		0.5		2	E200.7	04/29/08 00:19/eli-c
Potassium	13.0	mg/L		0.5		2	E200.7	04/29/08 00:19/eli-c
Silica	4.8	mg/L		0.5		2	E200.7	04/29/08 00:19/eli-c
Sodium	659	mg/L		0.5		2	E200.7	04/29/08 00:19/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-004
Client Sample ID: DewBurd BVC01

Report Date: 06/24/08
Collection Date: 04/14/08 18:43
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/18/08 14:35/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/18/08 10:53/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/18/08 15:15/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/18/08 14:52/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/18/08 11:10/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/18/08 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.1	pCi/L	U			1	E903.0	05/06/08 09:47/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/06/08 09:47/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	05/06/08 09:47/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	04/25/08 11:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/25/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	0.0	pCi/L	U			1	E903.0	05/05/08 11:17/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/05/08 11:17/eli-c
Radium 226 MDC	0.8	pCi/L				1	E903.0	05/05/08 11:17/eli-c
Thorium 230	0.8	pCi/L				1	E907.0	04/21/08 15:00/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	04/21/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	15.1	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Alpha precision (±)	9.6	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Alpha MDC	13.9	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Beta	-27.1	pCi/L	U			1	E900.0	05/09/08 01:51/eli-c
Gross Beta precision (±)	10.3	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Beta MDC	18.1	pCi/L				1	E900.0	05/09/08 01:51/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	04/21/08 16:56/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/21/08 16:56/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.1	pCi/L	U			1	E903.0	05/28/08 18:43/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/28/08 18:43/eli-c
Thorium 230	1.1	pCi/L		0.2		1	E907.0	05/28/08 18:43/eli-c
Thorium 230 precision (±)	0.5	pCi/L				1	E907.0	05/28/08 18:43/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040178-004
Client Sample ID: DewBurd BVC01

Report Date: 06/24/08
Collection Date: 04/14/08 18:43
Date Received: 04/15/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	04/24/08 16:51/eli-b
DATA QUALITY								
A/C Balance (± 5)	-3.44					1	A1030 E	06/17/08 00:00/ADM
Anions	63.4	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	59.2	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	3840	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	06/17/08 00:00/ADM

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080416A-ALK-SEL-W	
Sample ID: LCS1_080416A	Laboratory Control Sample				Run: PH_COND1-R_080416C			04/16/08 11:25	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: R08040161-001BMS	Sample Matrix Spike				Run: PH_COND1-R_080416C			04/16/08 11:58	
Alkalinity, Total as CaCO3	560	mg/L	5.0	98	80	120			
Sample ID: R08040161-001BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080416C			04/16/08 12:03	
Alkalinity, Total as CaCO3	586	mg/L	5.0	123	80	120	4.5	10	S
Method: A2510 B								Batch: 080421_1_COND-PROBE-W	
Sample ID: LCS1-1_080421	Laboratory Control Sample				Run: PH_COND2-R_080421B			04/21/08 16:49	
Conductivity @ 25 C	147	umhos/cm	5.0	98	90	110			
Sample ID: LCS2-1_080421	Laboratory Control Sample				Run: PH_COND2-R_080421B			04/21/08 16:50	
Conductivity @ 25 C	5100	umhos/cm	5.0	102	90	110			
Sample ID: LCS_COND-1_080421	Laboratory Control Sample				Run: PH_COND2-R_080421B			04/21/08 16:51	
Conductivity @ 25 C	1440	umhos/cm	5.0	102	90	110			
Sample ID: MBLK-1_080421	Method Blank				Run: PH_COND2-R_080421B			04/21/08 16:52	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08040178-001CDUP	Sample Duplicate				Run: PH_COND2-R_080421B			04/21/08 16:54	
Conductivity @ 25 C	5220	umhos/cm	5.0				1.4	10	
Method: A2540 C								Batch: 080416A-SLDS-TDS-W	
Sample ID: LCS1_080416A	Laboratory Control Sample				Run: BAL-4-R_080416B			04/16/08 16:17	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	101	90	110			
Sample ID: MBLK1_080416A	Method Blank				Run: BAL-4-R_080416B			04/16/08 16:18	
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08040178-004CMS	Sample Matrix Spike				Run: BAL-4-R_080416B			04/18/08 14:22	
Solids, Total Dissolved TDS @ 180 C	4100	mg/L	5.0	170	80	120			S
Sample ID: R08040178-004CMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080416B			04/18/08 14:22	
Solids, Total Dissolved TDS @ 180 C	4100	mg/L	5.0	167	80	120	0.1	10	S

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080416A-SLDS-TSS-W	
Sample ID: LCS1_080416A	Laboratory Control Sample				Run: BAL-4-R_080416D			04/16/08 08:18	
Solids, Total Suspended TSS @ 105 C	200	mg/L	5.0	98	85	115			
Sample ID: MBLK1_080416A	Method Blank				Run: BAL-4-R_080416D			04/16/08 08:19	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Method: A3114 B								Batch: C_SE-3114-041808	
Sample ID: MBLK	Method Blank				Run: SUB-C99842			04/18/08 14:19	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-61-6	Laboratory Control Sample				Run: SUB-C99842			04/18/08 14:21	
Selenium	0.049	mg/L	0.0010	97	90	110			
Sample ID: R08040178-001A	Sample Matrix Spike				Run: SUB-C99842			04/18/08 14:26	
Selenium	0.054	mg/L	0.0010	107	85	115			
Sample ID: R08040178-001A	Sample Matrix Spike Duplicate				Run: SUB-C99842			04/18/08 14:28	
Selenium	0.052	mg/L	0.0010	104	85	115	2.9	10	
Sample ID: R08040178-001H	Sample Matrix Spike				Run: SUB-C99842			04/18/08 14:43	
Selenium	0.054	mg/L	0.0010	107	85	115			
Sample ID: R08040178-001H	Sample Matrix Spike Duplicate				Run: SUB-C99842			04/18/08 14:45	
Selenium	0.052	mg/L	0.0010	104	85	115	2.4	10	
Sample ID: C08040476-009AMS	Sample Matrix Spike				Run: SUB-C99842			04/18/08 14:56	
Selenium	0.084	mg/L	0.0010	106	85	115			
Sample ID: C08040476-009AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99842			04/18/08 14:58	
Selenium	0.082	mg/L	0.0010	101	85	115	2.6	10	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV-3114-041808	
Sample ID: MBLK	Method Blank				Run: SUB-C99823			04/18/08 10:37	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-61-6	Laboratory Control Sample				Run: SUB-C99823			04/18/08 10:39	
Selenium-IV	0.051	mg/L	0.0010	102	90	110			
Sample ID: R08040178-001A	Sample Matrix Spike				Run: SUB-C99823			04/18/08 10:44	
Selenium-IV	0.047	mg/L	0.0010	92	85	115			
Sample ID: R08040178-001A	Sample Matrix Spike Duplicate				Run: SUB-C99823			04/18/08 10:46	
Selenium-IV	0.049	mg/L	0.0010	97	85	115	5.3	10	
Sample ID: R08040178-001H	Sample Matrix Spike				Run: SUB-C99823			04/18/08 11:01	
Selenium-IV	0.046	mg/L	0.0010	90	85	115			
Sample ID: R08040178-001H	Sample Matrix Spike Duplicate				Run: SUB-C99823			04/18/08 11:03	
Selenium-IV	0.046	mg/L	0.0010	89	85	115	0.4	10	
Method: A3500-Cr B								Batch: 080415-CR-HEX-W	
Sample ID: MBLK	Method Blank				Run: SPEC1_080415A			04/15/08 00:00	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_080415A			04/15/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	99	80	120			
Sample ID: R08040178-001EMS	Sample Matrix Spike				Run: SPEC1_080415A			04/15/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	99	80	120			
Sample ID: R08040178-002EMS	Sample Matrix Spike				Run: SPEC1_080415A			04/15/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	95	80	120			
Sample ID: R08040178-003EMS	Sample Matrix Spike				Run: SPEC1_080415A			04/15/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	95	80	120			
Sample ID: R08040178-004EMS	Sample Matrix Spike				Run: SPEC1_080415A			04/15/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	99	80	120			
Method: A4500-H B								Batch: 080421_1_PH-W	
Sample ID: LCS_pH-1_080421	Laboratory Control Sample				Run: PH_COND2-R_080421B			04/21/08 16:27	
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08040178-001CDUP	Sample Duplicate				Run: PH_COND2-R_080421B			04/21/08 16:29	
pH	8.11	s.u.	0.010				0.1	1.25	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-04-17_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080417A			04/17/08 10:21	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080417A			04/17/08 10:22	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080417A			04/17/08 10:23	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	101	90	110			
Sample ID: R08040160-001AMS	Sample Matrix Spike				Run: TECHAA2-R_080417A			04/17/08 13:55	
Nitrogen, Ammonia as N	0.35	mg/L	0.10	105	80	120			
Sample ID: R08040178-003FMS	Sample Matrix Spike				Run: TECHAA2-R_080417A			04/17/08 14:38	
Nitrogen, Ammonia as N	0.21	mg/L	0.10	86	80	120			
Sample ID: R08040178-003FMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080417A			04/17/08 14:39	
Nitrogen, Ammonia as N	0.21	mg/L	0.10	86	80	120	0.0	10	
Method: A9222 D								Batch: 080415-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080415A			04/15/08 11:00	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

Qualifiers:
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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18330
Sample ID: MB-18330	Method Blank				Run: SUB-C100319				04/28/08 23:14
Aluminum	0.002	mg/L	0.0007						
Barium	ND	mg/L	0.004						
Boron	ND	mg/L	0.006						
Iron	ND	mg/L	0.005						
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.1						
Potassium	0.2	mg/L	0.08						
Silica	ND	mg/L	0.04						
Sodium	ND	mg/L	0.1						
Sample ID: LCS-18330	Laboratory Control Sample				Run: SUB-C100319				04/28/08 23:17
Aluminum	0.481	mg/L	0.10	96	85	115			
Barium	0.474	mg/L	0.10	95	85	115			
Boron	0.488	mg/L	0.10	98	85	115			
Iron	0.491	mg/L	0.030	98	85	115			
Calcium	53.1	mg/L	1.0	106	85	115			
Magnesium	53.5	mg/L	1.0	107	85	115			
Potassium	47.9	mg/L	1.0	95	85	115			
Silica	0.512	mg/L	0.10	102	85	115			
Sodium	52.2	mg/L	1.0	104	85	115			
Sample ID: R08040178-004B	Sample Matrix Spike				Run: SUB-C100319				04/29/08 00:22
Aluminum	1.09	mg/L	0.10	117	70	130			
Barium	0.464	mg/L	0.10	87	70	130			
Boron	0.726	mg/L	0.10	94	70	130			
Iron	0.980	mg/L	0.030	92	70	130			
Calcium	431	mg/L	1.0		70	130			A
Magnesium	176	mg/L	1.0	96	70	130			
Potassium	60.8	mg/L	1.0	96	70	130			
Silica	5.91	mg/L	0.10		70	130			A
Sodium	718	mg/L	1.0		70	130			A
Sample ID: R08040178-004B	Sample Matrix Spike Duplicate				Run: SUB-C100319				04/29/08 00:25
Aluminum	1.07	mg/L	0.10	114	70	130	1.1	20	
Barium	0.481	mg/L	0.10	90	70	130	3.5	20	
Boron	0.729	mg/L	0.10	94	70	130	0.4	20	
Iron	0.981	mg/L	0.030	93	70	130	0.2	20	
Calcium	436	mg/L	1.0		70	130	1.1	20	A
Magnesium	178	mg/L	1.0	101	70	130	1.2	20	
Potassium	61.4	mg/L	1.0	97	70	130	1.0	20	
Silica	5.78	mg/L	0.10		70	130	2.3	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18330
Sample ID: R08040178-004B	Sample Matrix Spike Duplicate				Run: SUB-C100319			04/29/08 00:25	
Sodium	723	mg/L	1.0		70	130	0.6	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R100675
Sample ID: MB-080505A	Method Blank				Run: SUB-C100675				05/05/08 10:34
Silica	ND	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Boron	ND	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	0.003	mg/L	0.003						
Copper	ND	mg/L	0.005						
Iron	0.006	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0004						
Molybdenum	ND	mg/L	0.01						
Potassium	ND	mg/L	0.08						
Sodium	ND	mg/L	0.06						
Vanadium	ND	mg/L	0.006						
Zinc	ND	mg/L	0.004						
Sample ID: LFB-080505A	Laboratory Fortified Blank				Run: SUB-C100675				05/05/08 10:37
Silica	0.97	mg/L	0.10	97	85	125			
Aluminum	0.96	mg/L	0.10	96	85	125			
Boron	0.99	mg/L	0.10	99	85	125			
Calcium	55	mg/L	0.50	110	85	125			
Chromium	0.99	mg/L	0.050	99	85	125			
Copper	0.94	mg/L	0.010	94	85	125			
Iron	0.97	mg/L	0.030	97	85	125			
Magnesium	53	mg/L	0.50	107	85	125			
Manganese	0.95	mg/L	0.010	95	85	125			
Molybdenum	1.0	mg/L	0.10	100	85	125			
Potassium	50	mg/L	0.50	100	85	125			
Sodium	51	mg/L	0.50	102	85	125			
Vanadium	1.0	mg/L	0.10	103	85	125			
Zinc	1.0	mg/L	0.010	102	85	125			
Sample ID: C08040699-001KMS2	Sample Matrix Spike				Run: SUB-C100675				05/05/08 11:04
Aluminum	4.44	mg/L	0.10	87	70	130			
Boron	4.80	mg/L	0.10	91	70	130			
Chromium	4.65	mg/L	0.050	91	70	130			
Copper	4.28	mg/L	0.028	84	70	130			
Iron	4.65	mg/L	0.030	90	70	130			
Manganese	4.70	mg/L	0.010	88	70	130			
Molybdenum	4.79	mg/L	0.10	94	70	130			
Vanadium	4.85	mg/L	0.10	95	70	130			
Zinc	4.90	mg/L	0.021	94	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R100675	
Sample ID: C08040699-001KMS2	Sample Matrix Spike				Run: SUB-C100675			05/05/08 11:04	
Calcium	622	mg/L	1.0	91	70	130			
Magnesium	387	mg/L	1.0	91	70	130			
Potassium	251	mg/L	1.0	94	70	130			
Silica	20.5	mg/L	0.29	74	70	130			
Sodium	364	mg/L	1.0	91	70	130			
Sample ID: C08040699-001KMSD2	Sample Matrix Spike Duplicate				Run: SUB-C100675			05/05/08 11:17	
Aluminum	4.85	mg/L	0.10	95	70	130	8.8	20	
Boron	5.27	mg/L	0.10	100	70	130	9.2	20	
Chromium	5.04	mg/L	0.050	99	70	130	8.1	20	
Copper	4.64	mg/L	0.028	91	70	130	8.0	20	
Iron	5.01	mg/L	0.030	97	70	130	7.5	20	
Manganese	5.07	mg/L	0.010	96	70	130	7.6	20	
Molybdenum	5.07	mg/L	0.10	100	70	130	5.8	20	
Vanadium	5.26	mg/L	0.10	103	70	130	8.3	20	
Zinc	5.24	mg/L	0.021	101	70	130	6.6	20	
Calcium	670	mg/L	1.0	110	70	130	7.5	20	
Magnesium	420	mg/L	1.0	104	70	130	8.2	20	
Potassium	268	mg/L	1.0	101	70	130	6.7	20	
Silica	22.2	mg/L	0.29	107	70	130	8.1	20	
Sodium	390	mg/L	1.0	102	70	130	6.9	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R100765
Sample ID: MB-080506A	Method Blank				Run: SUB-C100765				05/06/08 14:47
Barium	ND	mg/L	0.006						
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080506A	Laboratory Fortified Blank				Run: SUB-C100765				05/06/08 14:51
Barium	1.0	mg/L	0.10	102	85	125			
Calcium	55	mg/L	0.50	111	85	125			
Magnesium	55	mg/L	0.50	110	85	125			
Nickel	1.0	mg/L	0.050	102	85	125			
Potassium	47	mg/L	0.50	93	85	125			
Zinc	1.0	mg/L	0.010	104	85	125			
Sample ID: C08040779-001CMS2	Sample Matrix Spike				Run: SUB-C100765				05/06/08 17:20
Barium	1.13	mg/L	0.10	105	70	130			
Nickel	1.07	mg/L	0.050	105	70	130			
Zinc	1.12	mg/L	0.010	108	70	130			
Calcium	172	mg/L	1.0	96	70	130			
Magnesium	99.5	mg/L	1.0	108	70	130			
Potassium	49.7	mg/L	1.0	93	70	130			
Sample ID: C08040779-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C100765				05/06/08 17:24
Barium	1.12	mg/L	0.10	104	70	130	1.0	20	
Nickel	1.07	mg/L	0.050	105	70	130	0.2	20	
Zinc	1.11	mg/L	0.010	107	70	130	0.8	20	
Calcium	175	mg/L	1.0	101	70	130	1.4	20	
Magnesium	99.5	mg/L	1.0	108	70	130	0.0	20	
Potassium	50.3	mg/L	1.0	94	70	130	1.2	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18330
Sample ID: MB-18330	Method Blank				Run: SUB-C100187				04/25/08 21:35
Arsenic	0.0006	mg/L	5E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	0.0006	mg/L	5E-05						
Copper	0.0008	mg/L	0.0002						
Lead	2E-05	mg/L							
Manganese	0.0004	mg/L	3E-05						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	6E-05						
Silver	ND	mg/L	4E-05						
Thorium 232	0.0002	mg/L	7E-05						
Uranium	0.0006	mg/L	3E-05						
Vanadium	0.0001	mg/L	6E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LCS-18330	Laboratory Control Sample				Run: SUB-C100187				04/25/08 21:42
Arsenic	0.564	mg/L	0.0010	113	85	115			
Cadmium	0.559	mg/L	0.010	112	85	115			
Chromium	0.566	mg/L	0.050	113	85	115			
Copper	0.550	mg/L	0.010	110	85	115			
Lead	0.569	mg/L	0.050	114	85	115			
Manganese	0.551	mg/L	0.010	110	85	115			
Molybdenum	0.579	mg/L	0.10	116	85	115			
Nickel	0.556	mg/L	0.050	111	85	115			
Silver	0.177	mg/L	0.010	89	85	115			
Thorium 232	0.569	mg/L	0.0010	114	85	115			
Uranium	0.567	mg/L	0.00032	113	85	115			
Vanadium	0.567	mg/L	0.10	113	85	115			
Zinc	0.566	mg/L	0.010	113	85	115			
Sample ID: R08040178-004B	Sample Matrix Spike				Run: SUB-C100187				04/26/08 01:32
Arsenic	0.533	mg/L	0.0010	106	70	130			
Cadmium	0.497	mg/L	0.010	99	70	130			
Chromium	0.539	mg/L	0.050	107	70	130			
Copper	0.493	mg/L	0.010	98	70	130			
Lead	0.508	mg/L	0.050	102	70	130			
Manganese	1.54	mg/L	0.010	111	70	130			
Molybdenum	0.556	mg/L	0.10	109	70	130			
Nickel	0.506	mg/L	0.050	100	70	130			
Silver	0.206	mg/L	0.010	103	70	130			
Thorium 232	0.526	mg/L	0.0010	105	70	130			
Uranium	0.538	mg/L	0.00032	105	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18330
Sample ID: R08040178-004B	Sample Matrix Spike				Run: SUB-C100187				04/26/08 01:32
Vanadium	0.547	mg/L	0.10	109	70	130			
Zinc	0.503	mg/L	0.010	99	70	130			
Sample ID: R08040178-004B	Sample Matrix Spike Duplicate				Run: SUB-C100187				04/26/08 01:39
Arsenic	0.531	mg/L	0.0010	106	70	130	0.5	20	
Cadmium	0.489	mg/L	0.010	98	70	130	1.6	20	
Chromium	0.536	mg/L	0.050	107	70	130	0.6	20	
Copper	0.501	mg/L	0.010	100	70	130	1.5	20	
Lead	0.520	mg/L	0.050	104	70	130	2.3	20	
Manganese	1.53	mg/L	0.010	108	70	130	1.0	20	
Molybdenum	0.549	mg/L	0.10	108	70	130	1.4	20	
Nickel	0.515	mg/L	0.050	101	70	130	1.6	20	
Silver	0.206	mg/L	0.010	103	70	130	0.3	20	
Thorium 232	0.540	mg/L	0.0010	108	70	130	2.6	20	
Uranium	0.542	mg/L	0.00032	106	70	130	0.7	20	
Vanadium	0.538	mg/L	0.10	107	70	130	1.7	20	
Zinc	0.505	mg/L	0.010	99	70	130	0.4	20	
Method: E200.8									Batch: C_18345
Sample ID: MB-18345	Method Blank				Run: SUB-C100506				05/01/08 20:05
Thorium 232	0.0002	mg/L							
Uranium	2E-05	mg/L	2E-05						
Sample ID: LCS1-18345	Laboratory Control Sample				Run: SUB-C100506				05/01/08 20:12
Uranium	0.0548	mg/L	0.00030	104	80	120			
Sample ID: R08040220-002K	Post Digestion Spike				Run: SUB-C100506				05/01/08 20:58
Thorium 232	0.0242	mg/L	0.0010	97	70	130			
Uranium	0.0255	mg/L	0.00030	98	70	130			
Sample ID: R08040220-002K	Post Digestion Spike Duplicate				Run: SUB-C100506				05/01/08 21:25
Thorium 232	0.0246	mg/L	0.0010	98	70	130	1.6	20	
Uranium	0.0257	mg/L	0.00030	99	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R100732	
Sample ID: LRB	Method Blank				Run: SUB-C100732			05/06/08 11:52	
Arsenic	ND	mg/L	6E-05						
Barium	4E-05	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	0.0001	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Silver	5E-05	mg/L	3E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100732			05/06/08 11:59	
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Barium	0.0534	mg/L	0.0010	107	85	115			
Cadmium	0.0525	mg/L	0.0010	105	85	115			
Copper	0.0528	mg/L	0.0010	106	85	115			
Lead	0.0535	mg/L	0.0010	107	85	115			
Mercury	0.00525	mg/L	0.0010	103	85	115			
Nickel	0.0530	mg/L	0.0010	106	85	115			
Silver	0.0211	mg/L	0.0010	105	85	115			
Thorium 232	0.0525	mg/L	0.0010	105	85	115			
Uranium	0.0522	mg/L	0.00030	104	85	115			
Sample ID: C08040928-001CMS4	Post Digestion Spike				Run: SUB-C100732			05/06/08 15:02	
Arsenic	0.0516	mg/L	0.0010	101	70	130			
Barium	0.0775	mg/L	0.10	104	70	130			
Cadmium	0.0491	mg/L	0.010	98	70	130			
Copper	0.0482	mg/L	0.010	96	70	130			
Lead	0.0526	mg/L	0.050	105	70	130			
Mercury	0.00527	mg/L	0.0010	105	70	130			
Nickel	0.0472	mg/L	0.050	94	70	130			
Silver	0.0129	mg/L	0.010	65	70	130			S
Thorium 232	0.0542	mg/L	0.0010	108	70	130			
Uranium	0.0605	mg/L	0.00030	108	70	130			
Sample ID: C08040928-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C100732			05/06/08 15:08	
Arsenic	0.0534	mg/L	0.0010	104	70	130	3.4	20	
Barium	0.0780	mg/L	0.10	105	70	130	0.0	20	
Cadmium	0.0506	mg/L	0.010	101	70	130	2.9	20	
Copper	0.0488	mg/L	0.010	98	70	130	1.3	20	
Lead	0.0526	mg/L	0.050	105	70	130	0.0	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R100732	
Sample ID: C08040928-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C100732			05/06/08 15:08	
Mercury	0.00528	mg/L	0.0010	106	70	130	0.1	20	
Nickel	0.0490	mg/L	0.050	98	70	130	0.0	20	
Silver	0.0134	mg/L	0.010	67	70	130	3.4	20	S
Thorium 232	0.0545	mg/L	0.0010	109	70	130	0.5	20	
Uranium	0.0606	mg/L	0.00030	109	70	130	0.3	20	
Sample ID: R08040287-001C	Post Digestion Spike				Run: SUB-C100732			05/07/08 01:51	
Arsenic	0.0520	mg/L	0.0010	102	70	130			
Barium	0.0607	mg/L	0.10	98	70	130			
Cadmium	0.0494	mg/L	0.010	99	70	130			
Copper	0.0505	mg/L	0.010	100	70	130			
Lead	0.0506	mg/L	0.050	101	70	130			
Mercury	0.00502	mg/L	0.0010	100	70	130			
Nickel	0.0511	mg/L	0.050	101	70	130			
Silver	0.0144	mg/L	0.010	72	70	130			
Thorium 232	0.0518	mg/L	0.0010	103	70	130			
Uranium	0.0547	mg/L	0.00030	104	70	130			
Sample ID: R08040287-001C	Post Digestion Spike Duplicate				Run: SUB-C100732			05/07/08 01:58	
Arsenic	0.0518	mg/L	0.0010	101	70	130	0.5	20	
Barium	0.0621	mg/L	0.10	101	70	130	0.0	20	
Cadmium	0.0495	mg/L	0.010	99	70	130	0.2	20	
Copper	0.0505	mg/L	0.010	100	70	130	0.1	20	
Lead	0.0513	mg/L	0.050	103	70	130	1.4	20	
Mercury	0.00510	mg/L	0.0010	102	70	130	1.6	20	
Nickel	0.0506	mg/L	0.050	100	70	130	1.1	20	
Silver	0.0151	mg/L	0.010	76	70	130	5.0	20	
Thorium 232	0.0527	mg/L	0.0010	105	70	130	1.8	20	
Uranium	0.0557	mg/L	0.00030	106	70	130	1.8	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_32094
Sample ID: MB-32094	Method Blank				Run: SUB-C100150				04/24/08 15:24
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32094	Laboratory Fortified Blank				Run: SUB-C100150				04/24/08 16:13
Mercury	0.0017	mg/L	0.0010	85	85	115			
Sample ID: B08041628-001GMS	Sample Matrix Spike				Run: SUB-C100150				04/24/08 16:23
Mercury	0.0024	mg/L	0.0010	119	70	130			
Sample ID: B08041628-001GMSD	Sample Matrix Spike Duplicate				Run: SUB-C100150				04/24/08 16:25
Mercury	0.0023	mg/L	0.0010	113	70	130	4.8	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34283
Sample ID: LFB0804163409-3	Laboratory Fortified Blank				Run: DIONEX_080416A				04/16/08 17:55
Chloride	4.71	mg/L	0.50	94	90	110			
Fluoride	2.00	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Sulfate	13.7	mg/L	1.0	91	90	110			
Sample ID: LFB0804163409-4	Laboratory Fortified Blank				Run: DIONEX_080416A				04/16/08 18:10
Chloride	4.88	mg/L	0.50	98	90	110			
Fluoride	2.05	mg/L	0.10	102	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: R08040178-001CMS	Sample Matrix Spike				Run: DIONEX_080416A				04/16/08 18:57
Chloride	986	mg/L	5.4	83	80	120			
Fluoride	100	mg/L	0.56	96	80	120			
Nitrogen, Nitrate as N	115	mg/L	1.3	92	80	120			
Sulfate	2210	mg/L	3.4	89	80	120			
Sample ID: R08040178-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080416A				04/16/08 19:12
Chloride	993	mg/L	5.4	85	80	120	0.6	10	
Fluoride	99.3	mg/L	0.56	95	80	120	0.8	10	
Nitrogen, Nitrate as N	110	mg/L	1.3	88	80	120	3.9	10	
Sulfate	2160	mg/L	3.4	83	80	120	2.1	10	
Sample ID: R08040165-001BMS	Sample Matrix Spike				Run: DIONEX_080416A				04/16/08 22:02
Chloride	125	mg/L	2.2	85	80	120			
Fluoride	38.3	mg/L	0.22	92	80	120			
Nitrogen, Nitrate as N	47.5	mg/L	0.50	86	80	120			
Sulfate	479	mg/L	1.3	82	80	120			
Sample ID: R08040165-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080416A				04/16/08 22:17
Chloride	127	mg/L	2.2	87	80	120	1.3	10	
Fluoride	38.9	mg/L	0.22	93	80	120	1.5	10	
Nitrogen, Nitrate as N	48.0	mg/L	0.50	87	80	120	1.1	10	
Sulfate	480	mg/L	1.3	82	80	120	0.2	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34324
Sample ID: LFB0804184226-3	Laboratory Fortified Blank				Run: DIONEX_080418A				04/18/08 16:29
Chloride	5.04	mg/L	0.50	101	90	110			
Sample ID: LFB0804184226-4	Laboratory Fortified Blank				Run: DIONEX_080418A				04/18/08 16:44
Chloride	5.11	mg/L	0.50	102	90	110			
Sample ID: R08040220-002CMS	Sample Matrix Spike				Run: DIONEX_080418A				04/18/08 17:46
Chloride	5.21	mg/L	0.50	104	80	120			
Sample ID: R08040220-002CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080418A				04/18/08 18:01
Chloride	4.94	mg/L	0.50	99	80	120	5.3	10	
Method: E900.0									Batch: C_GrAB-0439
Sample ID: MB-GrAB-0439	Method Blank				Run: SUB-C100919				05/09/08 01:51
Gross Alpha	-0.1	pCi/L							U
Gross Beta	-1	pCi/L							U
Sample ID: UNAT-GrAB-0439	Laboratory Control Sample				Run: SUB-C100919				05/09/08 01:51
Gross Alpha	250	pCi/L		100	70	130			
Sample ID: Cs137-GrAB-0439	Laboratory Control Sample				Run: SUB-C100919				05/09/08 01:51
Gross Beta	93	pCi/L		100	70	130			
Sample ID: C08041163-001BMS	Sample Matrix Spike				Run: SUB-C100919				05/09/08 01:51
Gross Alpha	260	pCi/L		102	70	130			
Sample ID: C08041163-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C100919				05/09/08 01:51
Gross Alpha	240	pCi/L		96	70	130	6.6	15.8	
Sample ID: C08041163-001BMS	Sample Matrix Spike				Run: SUB-C100919				05/09/08 01:51
Gross Beta	94	pCi/L		101	70	130			
Sample ID: C08041163-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C100919				05/09/08 01:51
Gross Beta	93	pCi/L		100	70	130	1.1	16.1	
Sample ID: C08040780-005BDUP	Sample Duplicate				Run: SUB-C100919				05/09/08 14:29
Gross Alpha	24	pCi/L					2.5	58	
Gross Beta	9.0	pCi/L					18	142.4	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R99993
Sample ID: LCS-R99993	Laboratory Control Sample				Run: SUB-C99993				04/21/08 16:56
Americium 241	716	pCi/Filter	20	88	70	130			
Cesium 137	1200	pCi/Filter	20	86	70	130			
Sample ID: MB-R99993	Method Blank				Run: SUB-C99993				04/21/08 16:56
Gross Gamma		pCi/Filter							U
Sample ID: R08040178-001I	Sample Duplicate				Run: SUB-C99993				04/21/08 16:56
Gross Gamma	ND	pCi/L	20				0.0	30	U
Method: E903.0									Batch: C_R100731
Sample ID: C08040702-004KMS	Sample Matrix Spike				Run: SUB-C100731				05/05/08 12:47
Radium 226	55	pCi/L		87	70	130			
Sample ID: C08040702-004KMSD	Sample Matrix Spike Duplicate				Run: SUB-C100731				05/05/08 14:17
Radium 226	51	pCi/L		80	70	130	7.5	26.1	
Sample ID: MB-18345	Method Blank				Run: SUB-C100731				05/06/08 05:22
Radium 226	1	pCi/L							U
Sample ID: LCS-18345	Laboratory Control Sample				Run: SUB-C100731				05/06/08 06:52
Radium 226	9.7	pCi/L		67	70	130			S
- LCS is low. Since all other QA is acceptable this batch is approved.									
Method: E903.0									Batch: C_RA226-2757
Sample ID: C08040703-004BMS	Sample Matrix Spike				Run: SUB-C100744				05/06/08 11:39
Radium 226	11	pCi/L		87	70	130			
Sample ID: C08040703-004BMSD	Sample Matrix Spike Duplicate				Run: SUB-C100744				05/06/08 11:39
Radium 226	12	pCi/L		98	70	130	11	26.2	
Sample ID: MB-RA226-2757	Method Blank				Run: SUB-C100744				05/06/08 13:36
Radium 226	-0.01	pCi/L							U
Sample ID: LCS-RA226-2757	Laboratory Control Sample				Run: SUB-C100744				05/06/08 13:36
Radium 226	6.0	pCi/L		94	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040178

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_18345
Sample ID: C08040702-001KMS	Sample Matrix Spike				Run: SUB-C100376				04/21/08 15:00
Thorium 230	23.8	pCi/L		102	70	130			
Sample ID: C08040702-001KMSD	Sample Matrix Spike Duplicate				Run: SUB-C100376				04/21/08 15:00
Thorium 230	20.7	pCi/L		88	70	130	14	30	
Sample ID: LCS-18345	Laboratory Control Sample				Run: SUB-C100376				04/21/08 15:00
Thorium 230	54.4	pCi/L	0.20	111	70	130			
Sample ID: MB-18345	Method Blank				Run: SUB-C100376				04/21/08 15:00
Thorium 230	0.6	pCi/L							
Method: E907.0									Batch: C_R100560
Sample ID: LCS-R100560	Laboratory Control Sample				Run: SUB-C100560				04/22/08 15:00
Thorium 230	7.40	pCi/L	0.20	106	70	130			
Sample ID: C08030343-008CMS	Sample Matrix Spike				Run: SUB-C100560				04/22/08 15:00
Thorium 230	16.1	pCi/L	0.20	98	70	130			
Sample ID: C08030343-008CMSD	Sample Matrix Spike Duplicate				Run: SUB-C100560				04/22/08 15:00
Thorium 230	16.5	pCi/L	0.20	101	70	130	2.5	30	
Sample ID: MB-R100560	Method Blank				Run: SUB-C100560				04/22/08 15:00
Thorium 230	ND	pCi/L							U
Method: E907.0									Batch: C_R100603
Sample ID: LCS-R100603	Laboratory Control Sample				Run: SUB-C100603				04/25/08 11:00
Thorium 230	6.60	pCi/L	0.20	94	70	130			
Sample ID: C08040863-001EMS	Sample Matrix Spike				Run: SUB-C100603				04/25/08 11:00
Thorium 230	13.7	pCi/L	0.20	85	70	130			
Sample ID: C08040863-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C100603				04/25/08 11:00
Thorium 230	16.2	pCi/L	0.20	99	70	130	17	30	
Sample ID: MB-R100603	Method Blank				Run: SUB-C100603				04/25/08 11:00
Thorium 230	1E-05	pCi/L							U

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page 1 of 1

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

Company Name: Powertech (RESPEC)

Project Name, PWS #, Permit #, Etc.: Powertech Dewey Burdock

Report Mail Address: RESPEC

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

Sampler Name if other than Contact:

Invoice Address: ~~Rt Pa~~

Invoice Contact & Phone #:

Purchase Order #:

ELI Quote #:

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED

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

Receipt Temp 2.9 °C on ice

Cooler ID(s)

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Solids/Solids Vegetation Bioassay Other)	As Pb Rad	Ra Pb 210	Po 210							SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	~~Dew Burd~~ CHR05	4/14/08	11:00		X	X	X										CHR@ Prairie Bottle set 23	D8040178-001
2	DrewBurd CHR05	4/14/08	11:05		X	X	X										CHR@ Prairie Bottle set 24	002
3	DrewBurd BUC04	4/14/08	14:55		X	X	X										BUC@ Glasses Bottle set 27	003
4	DrewBurd BUC01	4/14/08	18:43		X	X	X										BUC@ Dan Anderson's Bottle set 28	004
5																		
6																		
7																		
8																		
9																		
10																		

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: Cory Forman Date/Time: 4/15/08

Relinquished by: Date/Time:

Shipped by:

Shipped by:

Received by: Date/Time:

Received by: Linda Lan 4/15/08 0838

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

June 24, 2008

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

Workorder No.: R08040220 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 4/17/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040220-001	DewBurd CHR01	04/16/08 15:30	04/17/08	Aqueous	Metals by ICP/ICPMS, Dissolved
					Metals by ICP/ICPMS, Suspended
					Metals by ICP/ICPMS, Total
					Alkalinity
					Anion - Cation Balance
					Bacteria, Fecal Coliform
					Conductivity
					Chromium, Hexavalent
					Chromium, Trivalent
					Mercury, Total
					Selenium, Dissolved
					Selenium, Total
					Selenium, Dissolved
					Selenium, Total
					Selenium, Dissolved
					Selenium-VI, Total
					Anions by Ion Chromatography
					Nitrogen, Ammonia
					pH
					Metals Digestion by EPA 200.2
					Digestion, Total Metals
					Digestion, Total Metals
					Digestion, As/Se by Hydride
					Dissolved Filtration
					Digestion, Mercury by CVAA
					Gross Alpha, Gross Beta
					Gross Gamma
					Radium 226, Dissolved
					Radium 226, Suspended
					Radium 226, Total
					Thorium, Isotopic
					Thorium, Suspended Isotopic
					Thorium, Isotopic
					Sodium Adsorption Ratio
					Suspended Sediment Concentration
					Solids, Total Dissolved
					Solids, Total Suspended

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R08040220-002	DewBurd BLK01	04/16/08 15:45 04/17/08	Aqueous	Metals by ICP/ICPMS, Dissolved
				Metals by ICP/ICPMS, Suspended
				Metals by ICP/ICPMS, Total
				Alkalinity
				Bacteria, Fecal Coliform
				Conductivity
				Chromium, Hexavalent
				Chromium, Trivalent
				Mercury, Total
				Selenium, Dissolved
				Selenium, Total
				Selenium, Dissolved
				Selenium, Total
				Selenium, Dissolved
				Selenium-VI, Total
				Anions by Ion Chromatography
				Nitrogen, Ammonia
				pH
				Metals Digestion by EPA 200.2
				Digestion, Total Metals
				Digestion, Total Metals
				Digestion, As/Se by Hydride
				Dissolved Filtration
				Digestion, Mercury by CVAA
				Gross Alpha, Gross Beta
				Gross Gamma
				Radium 226, Dissolved
				Radium 226, Suspended
				Radium 226, Total
				Thorium, Isotopic
				Thorium, Suspended Isotopic
				Thorium, Isotopic
				Sodium Adsorption Ratio
				Suspended Sediment Concentration
				Solids, Total Dissolved
				Solids, Total Suspended

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

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

Report Approved By: _____
Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040220-001
Client Sample ID: DewBurd CHR01

Report Date: 06/24/08
Collection Date: 04/16/08 15:30
Date Received: 04/17/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	04/17/08 15:30/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	248	mg/L		5		1	A2320 B	04/18/08 11:54/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/18/08 11:54/mb
Bicarbonate as HCO3	302	mg/L		5		1	A2320 B	04/18/08 11:54/mb
Calcium	370	mg/L		0.5		2	E200.7	04/30/08 17:35/eli-c
Chloride	156	mg/L	D	5		50	E300.0	04/18/08 16:59/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	04/18/08 17:15/jmh
Magnesium	175	mg/L		0.5		2	E200.7	04/30/08 17:35/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/17/08 15:58/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/18/08 17:15/jmh
Potassium	26	mg/L		1		2	E200.7	04/30/08 17:35/eli-c
Silica	6.4	mg/L		0.5		2	E200.7	04/30/08 17:35/eli-c
Sodium	1140	mg/L	D	0.6		10	E200.7	05/01/08 15:41/eli-c
Sulfate	3690	mg/L	D	3		50	E300.0	04/18/08 16:59/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6600	umhos/cm		5.0		1	A2510 B	04/21/08 16:58/jmh
pH	8.03	s.u.		0.01		1	A4500-H B	04/21/08 16:40/jmh
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Suspended Sediment SSC @ 105 C	5	mg/L		5		1	D3977	04/23/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	5700	mg/L		5		1	A2540 C	04/22/08 13:55/mb
Solids, Total Suspended TSS @ 105 C	8	mg/L		5		1	A2540 D	04/21/08 08:52/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/30/08 17:35/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/05/08 19:34/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/02/08 02:16/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	04/30/08 17:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/02/08 02:16/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	04/30/08 17:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 19:34/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/30/08 17:35/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/02/08 02:16/eli-c
Manganese	0.68	mg/L		0.01		2	E200.7	04/30/08 17:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/02/08 02:16/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/30/08 17:35/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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040220-001
Client Sample ID: DewBurd CHR01

Report Date: 06/24/08
Collection Date: 04/16/08 15:30
Date Received: 04/17/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	05/05/08 19:34/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 19:34/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/02/08 02:16/eli-c
Uranium	0.0324	mg/L		0.0003		1	E200.8	05/02/08 02:16/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/30/08 17:35/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/30/08 17:35/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	05/01/08 20:45/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	05/01/08 20:45/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		2	E200.7	04/30/08 21:27/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/05/08 15:10/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/30/08 21:27/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	04/30/08 21:27/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 22:46/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/30/08 21:27/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	04/17/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/17/08 00:00/ADM
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 15:10/eli-c
Iron	0.49	mg/L		0.03		2	E200.7	04/30/08 21:27/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 22:46/eli-c
Manganese	0.68	mg/L		0.01		2	E200.7	04/30/08 21:27/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	05/01/08 22:46/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/30/08 21:27/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 15:10/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 15:10/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/01/08 22:46/eli-c
Uranium	0.0365	mg/L		0.0003		1	E200.8	05/01/08 22:46/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/30/08 21:27/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 15:10/eli-c
Calcium	366	mg/L		0.5		2	E200.7	04/30/08 21:27/eli-c
Magnesium	171	mg/L		0.5		2	E200.7	04/30/08 21:27/eli-c
Potassium	22.1	mg/L		0.5		2	E200.7	04/30/08 21:27/eli-c
Silica	6.3	mg/L		0.5		2	E200.7	04/30/08 21:27/eli-c
Sodium	1140	mg/L		0.5		2	E200.7	04/30/08 21:27/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040220-001
Client Sample ID: DewBurd CHR01

Report Date: 06/24/08
Collection Date: 04/16/08 15:30
Date Received: 04/17/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/23/08 16:54/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/23/08 15:32/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/24/08 09:22/eli-ca
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/23/08 17:03/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/23/08 15:41/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/24/08 09:22/eli-ca
RADIONUCLIDES - DISSOLVED								
Radium 226	0.3	pCi/L				1	E903.0	05/05/08 15:41/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/05/08 15:41/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/05/08 15:41/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	04/25/08 11:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/25/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.1	pCi/L	U			1	E903.0	05/05/08 20:19/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/05/08 20:19/eli-c
Radium 226 MDC	0.9	pCi/L				1	E903.0	05/05/08 20:19/eli-c
Thorium 230	0.2	pCi/L	U			1	E907.0	04/21/08 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/21/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	5.7	pCi/L	U			1	E900.0	05/01/08 12:00/eli-c
Gross Alpha precision (±)	14.8	pCi/L				1	E900.0	05/01/08 12:00/eli-c
Gross Alpha MDC	24.4	pCi/L				1	E900.0	05/01/08 12:00/eli-c
Gross Beta	-9.2	pCi/L	U			1	E900.0	05/01/08 12:00/eli-c
Gross Beta precision (±)	10.9	pCi/L				1	E900.0	05/01/08 12:00/eli-c
Gross Beta MDC	18.5	pCi/L				1	E900.0	05/01/08 12:00/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	04/21/08 16:56/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/21/08 16:56/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.1	pCi/L	U			1	E903.0	05/29/08 17:44/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/29/08 17:44/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	05/29/08 17:44/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	05/29/08 17:44/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040220-001
Client Sample ID: DewBurd CHR01

Report Date: 06/24/08
Collection Date: 04/16/08 15:30
Date Received: 04/17/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:26/eli-b
DATA QUALITY								
A/C Balance (± 5)	-1.81					1	A1030 E	06/17/08 00:00/ADM
Anions	86.1	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	83.1	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	5720	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	06/17/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040220-002
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/16/08 15:45
Date Received: 04/17/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	04/17/08 15:30/jmh
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	04/18/08 11:57/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/18/08 11:57/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	04/18/08 11:57/mb
Calcium	ND	mg/L		0.5		2	E200.7	04/30/08 17:42/eli-c
Chloride	ND	mg/L		1		1	E300.0	04/18/08 17:30/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	04/18/08 17:30/jmh
Magnesium	ND	mg/L		0.5		2	E200.7	04/30/08 17:42/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/17/08 16:00/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/18/08 17:30/jmh
Potassium	1	mg/L		1		2	E200.7	04/30/08 17:42/eli-c
Silica	ND	mg/L		0.5		2	E200.7	04/30/08 17:42/eli-c
Sodium	3.7	mg/L		0.5		2	E200.7	04/30/08 17:42/eli-c
Sulfate	ND	mg/L		1		1	E300.0	04/18/08 17:30/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	8.4	umhos/cm		5.0		1	A2510 B	04/21/08 17:00/jmh
pH	5.78	s.u.		0.01		1	A4500-H B	04/21/08 16:43/jmh
Sodium Adsorption Ratio (SAR)	1.5	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	04/23/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		5		1	A2540 C	04/23/08 18:33/mb
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	04/21/08 08:52/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	05/01/08 07:02/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/01/08 07:02/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 07:02/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/30/08 17:42/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 07:02/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	05/01/08 07:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 07:02/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/30/08 17:42/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 07:02/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	05/01/08 07:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 07:02/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 07:02/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040220-002
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/16/08 15:45
Date Received: 04/17/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		1	E200.8	05/01/08 07:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 07:02/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/01/08 07:02/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/01/08 07:02/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	05/01/08 07:02/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 07:02/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	05/01/08 20:52/eli-c
Uranium	0.0010	mg/L		0.0003		1	E200.8	05/01/08 20:52/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		2	E200.7	04/30/08 21:41/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/01/08 22:53/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/30/08 21:41/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/30/08 21:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 22:53/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/30/08 21:41/eli-c
Chromium, Hexavalent	0.02	mg/L	*	0.005		1	A3500-Cr B	04/17/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	06/17/08 00:00/ADM
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 22:53/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/30/08 21:41/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 22:53/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	04/30/08 21:41/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	05/01/08 22:53/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/30/08 21:41/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/30/08 21:41/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 15:16/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/01/08 22:53/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/01/08 22:53/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/30/08 21:41/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 15:16/eli-c
Calcium	ND	mg/L		0.5		2	E200.7	04/30/08 21:41/eli-c
Magnesium	ND	mg/L		0.5		2	E200.7	04/30/08 21:41/eli-c
Potassium	ND	mg/L		0.5		2	E200.7	04/30/08 21:41/eli-c
Silica	ND	mg/L		0.5		2	E200.7	04/30/08 21:41/eli-c
Sodium	1.5	mg/L		0.5		2	E200.7	04/30/08 21:41/eli-c

*Lab contamination

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.
* - The result exceeds the MCL.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040220-002
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/16/08 15:45
Date Received: 04/17/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/23/08 17:01/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/23/08 15:39/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/24/08 09:22/eli-ca
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	04/23/08 17:14/eli-ca
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/23/08 15:49/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/24/08 09:22/eli-ca
RADIONUCLIDES - DISSOLVED								
Radium 226	0.2	pCi/L				1	E903.0	05/05/08 15:41/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/05/08 15:41/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/05/08 15:41/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/25/08 11:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/25/08 11:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	1.2	pCi/L				1	E903.0	05/05/08 21:50/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	05/05/08 21:50/eli-c
Radium 226 MDC	0.9	pCi/L				1	E903.0	05/05/08 21:50/eli-c
Thorium 230	0.1	pCi/L	U			1	E907.0	04/21/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/21/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	-1.0	pCi/L	U			1	E900.0	05/01/08 12:00/eli-c
Gross Alpha precision (±)	0.6	pCi/L				1	E900.0	05/01/08 12:00/eli-c
Gross Alpha MDC	1.1	pCi/L				1	E900.0	05/01/08 12:00/eli-c
Gross Beta	-1.4	pCi/L	U			1	E900.0	05/01/08 12:00/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	05/01/08 12:00/eli-c
Gross Beta MDC	2.5	pCi/L				1	E900.0	05/01/08 12:00/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	04/21/08 16:56/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/21/08 16:56/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	1.4	pCi/L				1	E903.0	05/29/08 17:44/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	05/29/08 17:44/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	05/29/08 17:44/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 17:44/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040220-002
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/16/08 15:45
Date Received: 04/17/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:29/eli-b
*Lab contamination								

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080418A-ALK-SEL-W	
Sample ID: LCS1_080418A	Laboratory Control Sample				Run: PH_COND1-R_080418D			04/18/08 11:20	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Method: A2510 B								Batch: 080421_1_COND-PROBE-W	
Sample ID: LCS1-1_080421	Laboratory Control Sample				Run: PH_COND2-R_080421B			04/21/08 16:49	
Conductivity @ 25 C	147	umhos/cm	5.0	98	90	110			
Sample ID: LCS2-1_080421	Laboratory Control Sample				Run: PH_COND2-R_080421B			04/21/08 16:50	
Conductivity @ 25 C	5100	umhos/cm	5.0	102	90	110			
Sample ID: LCS_COND-1_080421	Laboratory Control Sample				Run: PH_COND2-R_080421B			04/21/08 16:51	
Conductivity @ 25 C	1440	umhos/cm	5.0	102	90	110			
Sample ID: MBLK-1_080421	Method Blank				Run: PH_COND2-R_080421B			04/21/08 16:52	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08040178-001CDUP	Sample Duplicate				Run: PH_COND2-R_080421B			04/21/08 16:54	
Conductivity @ 25 C	5220	umhos/cm	5.0				1.4	10	
Method: A2540 C								Batch: 080422A-SLDS-TDS-W	
Sample ID: LCS1_080422A	Laboratory Control Sample				Run: BAL-4-R_080422E			04/22/08 13:53	
Solids, Total Dissolved TDS @ 180 C	230	mg/L	5.0	110	90	110			
Sample ID: MBLK1_080422A	Method Blank				Run: BAL-4-R_080422E			04/22/08 14:05	
Solids, Total Dissolved TDS @ 180 C	10	mg/L	3						
Sample ID: R08040250-007AMS	Sample Matrix Spike				Run: BAL-4-R_080422E			04/22/08 14:03	
Solids, Total Dissolved TDS @ 180 C	2500	mg/L	5.0	119	80	120			
Sample ID: R08040250-007AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080422E			04/22/08 14:04	
Solids, Total Dissolved TDS @ 180 C	2500	mg/L	5.0	116	80	120	0.2	10	
Method: A2540 D								Batch: 080421A-SLDS-TSS-W	
Sample ID: LCS1_080421A	Laboratory Control Sample				Run: BAL-4-R_080421B			04/21/08 08:42	
Solids, Total Suspended TSS @ 105 C	180	mg/L	5.0	88	85	115			
Sample ID: MBLK1_080421A	Method Blank				Run: BAL-4-R_080421B			04/21/08 08:43	
Solids, Total Suspended TSS @ 105 C	4	mg/L	2						
Sample ID: R08040227-001ADUP	Sample Duplicate				Run: BAL-4-R_080421B			04/21/08 08:54	
Solids, Total Suspended TSS @ 105 C	20	mg/L	5.0				11	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE-3114-080423B	
Sample ID: MBLK	Method Blank				Run: SUB-C100062			04/23/08 16:43	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-62-1	Laboratory Control Sample				Run: SUB-C100062			04/23/08 16:52	
Selenium	0.051	mg/L	0.0010	102	90	110			
Sample ID: R08040220-001A	Sample Matrix Spike				Run: SUB-C100062			04/23/08 16:56	
Selenium	0.049	mg/L	0.0010	98	85	115			
Sample ID: R08040220-001A	Sample Matrix Spike Duplicate				Run: SUB-C100062			04/23/08 16:58	
Selenium	0.050	mg/L	0.0010	101	85	115	2.8	10	
Sample ID: R08040220-001H	Sample Matrix Spike				Run: SUB-C100062			04/23/08 17:05	
Selenium	0.051	mg/L	0.0010	103	85	115			
Sample ID: R08040220-001H	Sample Matrix Spike Duplicate				Run: SUB-C100062			04/23/08 17:11	
Selenium	0.043	mg/L	0.0010	87	85	115	17	10	R
Method: A3114 B								Batch: C_SEIV-3114-080423A	
Sample ID: MBLK	Method Blank				Run: SUB-C100052			04/23/08 15:28	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-62-1	Laboratory Control Sample				Run: SUB-C100052			04/23/08 15:30	
Selenium-IV	0.049	mg/L	0.0010	99	90	110			
Sample ID: R08040220-001A	Sample Matrix Spike				Run: SUB-C100052			04/23/08 15:35	
Selenium-IV	0.047	mg/L	0.0010	94	85	115			
Sample ID: R08040220-001A	Sample Matrix Spike Duplicate				Run: SUB-C100052			04/23/08 15:37	
Selenium-IV	0.046	mg/L	0.0010	92	85	115	2.0	10	
Sample ID: R08040220-001H	Sample Matrix Spike				Run: SUB-C100052			04/23/08 15:43	
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: R08040220-001H	Sample Matrix Spike Duplicate				Run: SUB-C100052			04/23/08 15:47	
Selenium-IV	0.045	mg/L	0.0010	90	85	115	2.1	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B								Batch: 080417-CR-HEX-W	
Sample ID: MBLK	Method Blank				Run: SPEC1_080417A			04/17/08 00:00	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_080417A			04/17/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	99	80	120			
Sample ID: R08040220-001E	Sample Matrix Spike				Run: SPEC1_080417A			04/17/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	99	80	120			
Sample ID: R08040220-002E	Sample Matrix Spike				Run: SPEC1_080417A			04/17/08 00:00	
Chromium, Hexavalent	0.18	mg/L	0.0050	80	80	120			
Method: A4500-H B								Batch: 080421_1_PH-W	
Sample ID: LCS_pH-1_080421	Laboratory Control Sample				Run: PH_COND2-R_080421B			04/21/08 16:27	
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08040178-001CDUP	Sample Duplicate				Run: PH_COND2-R_080421B			04/21/08 16:29	
pH	8.11	s.u.	0.010				0.1	1.25	
Method: A4500-NH3 G								Batch: A2008-04-17_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080417A			04/17/08 10:21	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080417A			04/17/08 10:22	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080417A			04/17/08 10:23	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	101	90	110			
Sample ID: R08040217-005CMS	Sample Matrix Spike				Run: TECHAA2-R_080417A			04/17/08 15:53	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	88	80	120			
Sample ID: R08040217-005CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080417A			04/17/08 15:54	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	88	80	120	0.0	10	
Method: A9222 D								Batch: 080417-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080417A			04/17/08 15:30	
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18370
Sample ID: MB-18370	Method Blank				Run: SUB-C100499				04/30/08 21:03
Aluminum	0.0007	mg/L	0.0007						
Barium	0.004	mg/L	0.004						
Boron	ND	mg/L	0.006						
Calcium	ND	mg/L	0.1						
Chromium	0.005	mg/L	0.003						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.1						
Manganese	ND	mg/L	0.0008						
Molybdenum	ND	mg/L	0.01						
Nickel	ND	mg/L	0.02						
Potassium	0.3	mg/L	0.08						
Silica	ND	mg/L	0.04						
Sodium	0.4	mg/L	0.1						
Vanadium	ND	mg/L	0.006						
Sample ID: LCS-18370	Laboratory Control Sample				Run: SUB-C100499				04/30/08 21:07
Aluminum	0.486	mg/L	0.10	97	85	115			
Barium	0.479	mg/L	0.10	95	85	115			
Boron	0.499	mg/L	0.10	100	85	115			
Calcium	53.2	mg/L	1.0	106	85	115			
Chromium	0.510	mg/L	0.050	101	85	115			
Iron	0.498	mg/L	0.030	100	85	115			
Magnesium	53.5	mg/L	1.0	107	85	115			
Manganese	0.482	mg/L	0.010	96	85	115			
Molybdenum	0.534	mg/L	0.10	107	85	115			
Nickel	0.425	mg/L	0.050	85	85	115			
Potassium	48.8	mg/L	1.0	97	85	115			
Silica	0.526	mg/L	0.10	105	85	115			
Sodium	53.3	mg/L	1.0	106	85	115			
Vanadium	0.523	mg/L	0.10	105	85	115			
Sample ID: R08040220-002B	Sample Matrix Spike				Run: SUB-C100499				04/30/08 21:44
Aluminum	0.475	mg/L	0.10	95	70	130			
Barium	0.480	mg/L	0.10	94	70	130			
Boron	0.466	mg/L	0.10	93	70	130			
Calcium	52.1	mg/L	1.0	104	70	130			
Chromium	0.488	mg/L	0.050	96	70	130			
Iron	0.473	mg/L	0.030	95	70	130			
Magnesium	53.2	mg/L	1.0	106	70	130			
Manganese	0.465	mg/L	0.010	93	70	130			
Molybdenum	0.475	mg/L	0.10	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18370
Sample ID: R08040220-002B	Sample Matrix Spike				Run: SUB-C100499				04/30/08 21:44
Nickel	0.390	mg/L	0.050	78	70	130			
Potassium	47.6	mg/L	1.0	94	70	130			
Silica	0.441	mg/L	0.10		0	0			
Sodium	53.2	mg/L	1.0	103	70	130			
Vanadium	0.497	mg/L	0.10	99	70	130			
Sample ID: R08040220-002B	Sample Matrix Spike Duplicate				Run: SUB-C100499				04/30/08 21:47
Aluminum	0.483	mg/L	0.10	97	70	130	1.7	20	
Barium	0.483	mg/L	0.10	95	70	130	0.5	20	
Boron	0.473	mg/L	0.10	95	70	130	1.5	20	
Calcium	52.3	mg/L	1.0	105	70	130	0.4	20	
Chromium	0.498	mg/L	0.050	98	70	130	2.0	20	
Iron	0.482	mg/L	0.030	96	70	130	1.9	20	
Magnesium	53.3	mg/L	1.0	107	70	130	0.2	20	
Manganese	0.471	mg/L	0.010	94	70	130	1.3	20	
Molybdenum	0.493	mg/L	0.10	99	70	130	3.7	20	
Nickel	0.357	mg/L	0.050	71	70	130	8.8	20	
Potassium	48.1	mg/L	1.0	95	70	130	1.2	20	
Silica	0.458	mg/L	0.10		0	0			
Sodium	53.1	mg/L	1.0	103	70	130	0.1	20	
Vanadium	0.507	mg/L	0.10	101	70	130	2.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R100499
Sample ID: MB-080430A	Method Blank				Run: SUB-C100499				04/30/08 14:33
Silica	ND	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Boron	0.006	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	ND	mg/L	0.003						
Iron	ND	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0004						
Molybdenum	ND	mg/L	0.01						
Potassium	0.08	mg/L	0.08						
Sodium	0.07	mg/L	0.06						
Vanadium	ND	mg/L	0.006						
Zinc	0.006	mg/L	0.004						
Sample ID: LFB-080430A	Laboratory Fortified Blank				Run: SUB-C100499				04/30/08 14:36
Silica	0.99	mg/L	0.10	99	85	125			
Aluminum	0.92	mg/L	0.10	92	85	125			
Boron	0.97	mg/L	0.10	96	85	125			
Calcium	52	mg/L	0.50	104	85	125			
Chromium	0.95	mg/L	0.050	95	85	125			
Iron	0.93	mg/L	0.030	93	85	125			
Magnesium	52	mg/L	0.50	105	85	125			
Manganese	0.92	mg/L	0.010	92	85	125			
Molybdenum	0.97	mg/L	0.10	97	85	125			
Potassium	48	mg/L	0.50	96	85	125			
Sodium	51	mg/L	0.50	102	85	125			
Vanadium	0.99	mg/L	0.10	99	85	125			
Zinc	0.96	mg/L	0.010	95	85	125			
Sample ID: C07071195-037BMS2	Sample Matrix Spike				Run: SUB-C100499				04/30/08 14:43
Aluminum	4.45	mg/L	0.10	87	70	130			
Boron	4.99	mg/L	0.10	93	70	130			
Chromium	4.62	mg/L	0.050	91	70	130			
Iron	4.66	mg/L	0.030	91	70	130			
Manganese	4.88	mg/L	0.010	90	70	130			
Molybdenum	4.95	mg/L	0.10	95	70	130			
Vanadium	4.89	mg/L	0.10	96	70	130			
Zinc	4.87	mg/L	0.021	95	70	130			
Calcium	715	mg/L	1.0	94	70	130			
Magnesium	319	mg/L	1.0	100	70	130			
Potassium	304	mg/L	1.0	93	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R100499	
Sample ID: C07071195-037BMS2	Sample Matrix Spike				Run: SUB-C100499			04/30/08 14:43	
Silica	35.3	mg/L	0.29		70	130			A
Sodium	579	mg/L	1.0	90	70	130			
Sample ID: C07071195-037BMSD2	Sample Matrix Spike Duplicate				Run: SUB-C100499			04/30/08 14:46	
Aluminum	4.50	mg/L	0.10	88	70	130	1.1	20	
Boron	5.12	mg/L	0.10	95	70	130	2.4	20	
Chromium	4.66	mg/L	0.050	91	70	130	0.8	20	
Iron	4.73	mg/L	0.030	93	70	130	1.5	20	
Manganese	4.90	mg/L	0.010	90	70	130	0.4	20	
Molybdenum	4.98	mg/L	0.10	96	70	130	0.7	20	
Vanadium	4.93	mg/L	0.10	97	70	130	0.8	20	
Zinc	4.87	mg/L	0.021	95	70	130	0.0	20	
Calcium	717	mg/L	1.0	95	70	130	0.3	20	
Magnesium	320	mg/L	1.0	101	70	130	0.3	20	
Potassium	305	mg/L	1.0	93	70	130	0.3	20	
Silica	36.1	mg/L	0.29		70	130	2.0	20	A
Sodium	578	mg/L	1.0	89	70	130	0.2	20	
Method: E200.7								Batch: C_R100523	
Sample ID: MB-080430A	Method Blank				Run: SUB-C100523			05/01/08 14:11	
Sodium	ND	mg/L	0.06						
Sample ID: LFB-080430A	Laboratory Fortified Blank				Run: SUB-C100523			05/01/08 14:14	
Sodium	51	mg/L	0.50	102	85	125			
Sample ID: C08050024-002AMS	Sample Matrix Spike				Run: SUB-C100523			05/01/08 14:48	
Sodium	66.1	mg/L	1.0	96	70	130			
Sample ID: C08050024-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100523			05/01/08 14:52	
Sodium	67.0	mg/L	1.0	97	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18345
Sample ID: MB-18345	Method Blank				Run: SUB-C100506				05/01/08 20:05
Thorium 232	0.0002	mg/L							
Uranium	2E-05	mg/L	2E-05						
Sample ID: LCS1-18345	Laboratory Control Sample				Run: SUB-C100506				05/01/08 20:12
Uranium	0.0548	mg/L	0.00030	104	80	120			
Sample ID: R08040220-002K	Post Digestion Spike				Run: SUB-C100506				05/01/08 20:58
Thorium 232	0.0242	mg/L	0.0010	97	70	130			
Uranium	0.0255	mg/L	0.00030	98	70	130			
Sample ID: R08040220-002K	Post Digestion Spike Duplicate				Run: SUB-C100506				05/01/08 21:25
Thorium 232	0.0246	mg/L	0.0010	98	70	130	1.6	20	
Uranium	0.0257	mg/L	0.00030	99	70	130	1.0	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18370
Sample ID: MB-18370	Method Blank				Run: SUB-C100506				05/01/08 21:32
Arsenic	ND	mg/L	5E-05						
Cadmium	ND	mg/L	4E-05						
Copper	ND	mg/L	0.0002						
Lead	2E-05	mg/L							
Thorium 232	0.00010	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS-18370	Laboratory Control Sample				Run: SUB-C100506				05/01/08 21:39
Arsenic	0.561	mg/L	0.0010	112	85	115			
Cadmium	0.521	mg/L	0.010	104	85	115			
Copper	0.557	mg/L	0.010	111	85	115			
Lead	0.544	mg/L	0.050	109	85	115			
Thorium 232	0.548	mg/L	0.0010	110	85	115			
Uranium	0.545	mg/L	0.00032	109	85	115			
Sample ID: R08040220-002B	Sample Matrix Spike				Run: SUB-C100506				05/01/08 23:00
Arsenic	0.513	mg/L	0.0010	103	70	130			
Cadmium	0.499	mg/L	0.010	100	70	130			
Copper	0.504	mg/L	0.010	101	70	130			
Lead	0.512	mg/L	0.050	102	70	130			
Thorium 232	0.514	mg/L	0.0010	103	70	130			
Uranium	0.514	mg/L	0.00032	103	70	130			
Sample ID: R08040220-002B	Sample Matrix Spike Duplicate				Run: SUB-C100506				05/01/08 23:06
Arsenic	0.551	mg/L	0.0010	110	70	130	7.2	20	
Cadmium	0.488	mg/L	0.010	98	70	130	2.3	20	
Copper	0.528	mg/L	0.010	106	70	130	4.8	20	
Lead	0.508	mg/L	0.050	102	70	130	0.8	20	
Thorium 232	0.514	mg/L	0.0010	103	70	130	0.1	20	
Uranium	0.516	mg/L	0.00032	103	70	130	0.5	20	
Sample ID: MB-18370	Method Blank				Run: SUB-C100685				05/05/08 14:02
Arsenic	0.0002	mg/L	5E-05						
Copper	ND	mg/L	0.0001						
Nickel	ND	mg/L	6E-05						
Silver	ND	mg/L	5E-05						
Zinc	0.003	mg/L	0.0003						
Sample ID: LCS-18370	Laboratory Control Sample				Run: SUB-C100685				05/05/08 14:09
Arsenic	0.559	mg/L	0.0010	112	85	115			
Copper	0.532	mg/L	0.010	106	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18370
Sample ID: LCS-18370	Laboratory Control Sample				Run: SUB-C100685				05/05/08 14:09
Nickel	0.543	mg/L	0.050	109	85	115			
Silver	0.195	mg/L	0.010	98	85	115			
Zinc	0.551	mg/L	0.010	110	85	115			
Sample ID: R08040220-002B	Sample Matrix Spike				Run: SUB-C100685				05/05/08 15:23
Arsenic	0.523	mg/L	0.0010	105	70	130			
Copper	0.504	mg/L	0.010	101	70	130			
Nickel	0.509	mg/L	0.050	102	70	130			
Silver	0.186	mg/L	0.010	93	70	130			
Zinc	0.527	mg/L	0.010	105	70	130			
Sample ID: R08040220-002B	Sample Matrix Spike Duplicate				Run: SUB-C100685				05/05/08 15:30
Arsenic	0.515	mg/L	0.0010	103	70	130	1.5	20	
Copper	0.497	mg/L	0.010	99	70	130	1.5	20	
Nickel	0.505	mg/L	0.050	101	70	130	0.7	20	
Silver	0.169	mg/L	0.010	84	70	130	9.5	20	
Zinc	0.519	mg/L	0.010	103	70	130	1.4	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100440
Sample ID: LRB	Method Blank				Run: SUB-C100440				04/30/08 12:23
Aluminum	ND	mg/L	0.0001						
Arsenic	9E-05	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	ND	mg/L	3E-05						
Thorium 232	9E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100440				04/30/08 12:30
Aluminum	0.0512	mg/L	0.0010	102	85	115			
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Barium	0.0517	mg/L	0.0010	103	85	115			
Cadmium	0.0518	mg/L	0.0010	104	85	115			
Chromium	0.0517	mg/L	0.0010	103	85	115			
Copper	0.0518	mg/L	0.0010	104	85	115			
Lead	0.0518	mg/L	0.0010	104	85	115			
Manganese	0.0515	mg/L	0.0010	103	85	115			
Mercury	0.00522	mg/L	0.0010	104	85	115			
Molybdenum	0.0528	mg/L	0.0010	106	85	115			
Nickel	0.0519	mg/L	0.0010	104	85	115			
Silver	0.0204	mg/L	0.0010	102	85	115			
Thorium 232	0.0517	mg/L	0.0010	103	85	115			
Uranium	0.0519	mg/L	0.00030	104	85	115			
Vanadium	0.0514	mg/L	0.0010	103	85	115			
Zinc	0.0525	mg/L	0.0010	105	85	115			
Sample ID: C08040794-001BMS4	Post Digestion Spike				Run: SUB-C100440				05/01/08 06:48
Aluminum	0.0488	mg/L	0.10	97	70	130			
Arsenic	0.0849	mg/L	0.0010	106	70	130			
Barium	0.0787	mg/L	0.10	104	70	130			
Cadmium	0.0480	mg/L	0.010	96	70	130			
Chromium	0.0495	mg/L	0.050	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100440
Sample ID: C08040794-001BMS4	Post Digestion Spike				Run: SUB-C100440				05/01/08 06:48
Copper	0.0490	mg/L	0.010	96	70	130			
Lead	0.0508	mg/L	0.050	101	70	130			
Manganese	0.0910	mg/L	0.010	97	70	130			
Mercury	0.00522	mg/L	0.0010	104	70	130			
Molybdenum	0.0678	mg/L	0.10	104	70	130			
Nickel	0.0506	mg/L	0.050	96	70	130			
Silver	0.0181	mg/L	0.010	90	70	130			
Thorium 232	0.0533	mg/L	0.0010	106	70	130			
Uranium	0.0545	mg/L	0.00030	105	70	130			
Vanadium	0.0506	mg/L	0.10	101	70	130			
Zinc	0.0756	mg/L	0.010	95	70	130			
Sample ID: C08040794-001BMSD4	Post Digestion Spike Duplicate				Run: SUB-C100440				05/01/08 06:55
Aluminum	0.0502	mg/L	0.10	100	70	130	0.0	20	
Arsenic	0.0854	mg/L	0.0010	107	70	130	0.5	20	
Barium	0.0790	mg/L	0.10	104	70	130	0.0	20	
Cadmium	0.0496	mg/L	0.010	99	70	130	3.3	20	
Chromium	0.0483	mg/L	0.050	96	70	130	0.0	20	
Copper	0.0501	mg/L	0.010	98	70	130	2.4	20	
Lead	0.0507	mg/L	0.050	101	70	130	0.3	20	
Manganese	0.0891	mg/L	0.010	93	70	130	2.2	20	
Mercury	0.00528	mg/L	0.0010	106	70	130	1.1	20	
Molybdenum	0.0696	mg/L	0.10	107	70	130	0.0	20	
Nickel	0.0527	mg/L	0.050	100	70	130	4.0	20	
Silver	0.0192	mg/L	0.010	96	70	130	6.2	20	
Thorium 232	0.0530	mg/L	0.0010	106	70	130	0.6	20	
Uranium	0.0538	mg/L	0.00030	104	70	130	1.2	20	
Vanadium	0.0495	mg/L	0.10	99	70	130	0.0	20	
Zinc	0.0762	mg/L	0.010	96	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R100506	
Sample ID: LRB	Method Blank				Run: SUB-C100506			05/01/08 12:04	
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100506			05/01/08 12:10	
Barium	0.0469	mg/L	0.0010	94	85	115			
Cadmium	0.0468	mg/L	0.0010	94	85	115			
Lead	0.0480	mg/L	0.0010	96	85	115			
Mercury	0.00484	mg/L	0.0010	97	85	115			
Thorium 232	0.0476	mg/L	0.0010	95	85	115			
Uranium	0.0479	mg/L	0.00030	96	85	115			
Sample ID: R08040220-001A	Post Digestion Spike				Run: SUB-C100506			05/02/08 02:22	
Barium	0.0880	mg/L	0.10	108	70	130			
Cadmium	0.0427	mg/L	0.010	85	70	130			
Lead	0.0549	mg/L	0.050	110	70	130			
Mercury	0.00538	mg/L	0.0010	108	70	130			
Thorium 232	0.0608	mg/L	0.0010	121	70	130			
Uranium	0.0934	mg/L	0.00030	122	70	130			
Sample ID: R08040220-001A	Post Digestion Spike Duplicate				Run: SUB-C100506			05/02/08 02:29	
Barium	0.0848	mg/L	0.10	101	70	130	0.0	20	
Cadmium	0.0408	mg/L	0.010	82	70	130	4.5	20	
Lead	0.0532	mg/L	0.050	106	70	130	3.2	20	
Mercury	0.00524	mg/L	0.0010	105	70	130	2.7	20	
Thorium 232	0.0589	mg/L	0.0010	118	70	130	3.2	20	
Uranium	0.0906	mg/L	0.00030	116	70	130	3.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R100685	
Sample ID: LRB	Method Blank				Run: SUB-C100685			05/05/08 13:42	
Arsenic	ND	mg/L	6E-05						
Copper	ND	mg/L	7E-05						
Nickel	ND	mg/L	0.0007						
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100685			05/05/08 13:48	
Arsenic	0.0524	mg/L	0.0010	105	85	115			
Copper	0.0527	mg/L	0.0010	105	85	115			
Nickel	0.0527	mg/L	0.0010	105	85	115			
Silver	0.0209	mg/L	0.0010	105	85	115			
Sample ID: R08040250-007C	Post Digestion Spike				Run: SUB-C100685			05/05/08 23:16	
Arsenic	0.0602	mg/L	0.0010	106	70	130			
Copper	0.0495	mg/L	0.010	94	70	130			
Nickel	0.0568	mg/L	0.050	107	70	130			
Silver	0.00973	mg/L	0.010	49	70	130			S
Sample ID: R08040250-007C	Post Digestion Spike Duplicate				Run: SUB-C100685			05/05/08 23:23	
Arsenic	0.0629	mg/L	0.0010	111	70	130	4.3	20	
Copper	0.0518	mg/L	0.010	99	70	130	4.6	20	
Nickel	0.0635	mg/L	0.050	121	70	130	11	20	
Silver	0.00999	mg/L	0.010	50	70	130	0.0	20	S
Sample ID: C08040936-001AMS	Sample Matrix Spike				Run: SUB-C100685			05/06/08 03:00	
Arsenic	0.56	mg/L	0.0010	104	70	130			
Copper	0.49	mg/L	0.0015	98	70	130			
Nickel	0.50	mg/L	0.0010	98	70	130			
Silver	0.027	mg/L	0.0010	13	70	130			S
Sample ID: C08040936-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100685			05/06/08 03:07	
Arsenic	0.56	mg/L	0.0010	104	70	130	0.5	20	
Copper	0.50	mg/L	0.0015	99	70	130	1.8	20	
Nickel	0.51	mg/L	0.0010	100	70	130	2.3	20	
Silver	0.038	mg/L	0.0010	19	70	130	35	20	SR

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1								Batch: C_B_32271	
Sample ID: MB-32271	Method Blank				Run: SUB-C100762			05/06/08 16:10	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32271	Laboratory Fortified Blank				Run: SUB-C100762			05/06/08 16:12	
Mercury	0.0019	mg/L	0.0010	93	85	115			
Sample ID: B08050167-003CMS	Sample Matrix Spike				Run: SUB-C100762			05/06/08 16:22	
Mercury	0.0019	mg/L	0.0010	97	70	130			
Sample ID: B08050167-003CMSD	Sample Matrix Spike Duplicate				Run: SUB-C100762			05/06/08 16:24	
Mercury	0.0021	mg/L	0.0010	105	70	130	8.4	30	
Method: E300.0								Batch: R34324	
Sample ID: LFB0804184226-3	Laboratory Fortified Blank				Run: DIONEX_080418A			04/18/08 16:29	
Chloride	5.04	mg/L	0.50	101	90	110			
Fluoride	2.10	mg/L	0.10	105	90	110			
Nitrogen, Nitrate as N	2.32	mg/L	0.10	93	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: LFB0804184226-4	Laboratory Fortified Blank				Run: DIONEX_080418A			04/18/08 16:44	
Chloride	5.11	mg/L	0.50	102	90	110			
Fluoride	2.10	mg/L	0.10	105	90	110			
Nitrogen, Nitrate as N	2.34	mg/L	0.10	94	90	110			
Sulfate	14.0	mg/L	1.0	93	90	110			
Sample ID: R08040220-002CMS	Sample Matrix Spike				Run: DIONEX_080418A			04/18/08 17:46	
Chloride	5.21	mg/L	0.50	104	80	120			
Fluoride	2.08	mg/L	0.10	104	80	120			
Nitrogen, Nitrate as N	2.36	mg/L	0.10	94	80	120			
Sulfate	14.2	mg/L	1.0	95	80	120			
Sample ID: R08040220-002CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080418A			04/18/08 18:01	
Chloride	4.94	mg/L	0.50	99	80	120	5.3	10	
Fluoride	1.99	mg/L	0.10	100	80	120	4.4	10	
Nitrogen, Nitrate as N	2.23	mg/L	0.10	89	80	120	5.7	10	
Sulfate	13.5	mg/L	1.0	90	80	120	5.3	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0434	
Sample ID: MB-GrAB-0434	Method Blank				Run: SUB-C100683			04/30/08 23:28	
Gross Alpha	-1	pCi/L							U
Gross Beta	-2	pCi/L							U
Sample ID: UNAT-GrAB-0434	Laboratory Control Sample				Run: SUB-C100683			04/30/08 23:28	
Gross Alpha	230	pCi/L		96	70	130			
Sample ID: Cs137-GrAB-0434	Laboratory Control Sample				Run: SUB-C100683			04/30/08 23:28	
Gross Beta	90	pCi/L		98	70	130			
Sample ID: C08040851-001CMS	Sample Matrix Spike				Run: SUB-C100683			04/30/08 23:28	
Gross Alpha	239	pCi/L		98	70	130			
Sample ID: C08040851-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C100683			04/30/08 23:28	
Gross Alpha	256	pCi/L		105	70	130	6.9	14.4	
Sample ID: C08040851-001CMS	Sample Matrix Spike				Run: SUB-C100683			04/30/08 23:28	
Gross Beta	95.6	pCi/L		105	70	130			
Sample ID: C08040851-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C100683			04/30/08 23:28	
Gross Beta	93.8	pCi/L		103	70	130	1.9	15.7	
Sample ID: C08040278-009DDUP	Sample Duplicate				Run: SUB-C100683			05/01/08 12:00	
Gross Alpha	-1.02	pCi/L					51	197.9	U
Gross Beta	-3.27	pCi/L					27	111	
Method: E901.1								Batch: C_R99993	
Sample ID: LCS-R99993	Laboratory Control Sample				Run: SUB-C99993			04/21/08 16:56	
Americium 241	716	pCi/Filter	20	88	70	130			
Cesium 137	1200	pCi/Filter	20	86	70	130			
Sample ID: MB-R99993	Method Blank				Run: SUB-C99993			04/21/08 16:56	
Gross Gamma		pCi/Filter							U
Sample ID: R08040220-002I	Sample Duplicate				Run: SUB-C99993			04/21/08 16:56	
Gross Gamma	ND	pCi/L	20				0.0	30	U

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_R100731
Sample ID: C08040702-004KMS	Sample Matrix Spike				Run: SUB-C100731				05/05/08 12:47
Radium 226	55	pCi/L		87	70	130			
Sample ID: C08040702-004KMSD	Sample Matrix Spike Duplicate				Run: SUB-C100731				05/05/08 14:17
Radium 226	51	pCi/L		80	70	130	7.5	26.1	
Sample ID: MB-18345	Method Blank				Run: SUB-C100731				05/06/08 05:22
Radium 226	1	pCi/L							U
Sample ID: LCS-18345	Laboratory Control Sample				Run: SUB-C100731				05/06/08 06:52
Radium 226	9.7	pCi/L		67	70	130			S
- LCS is low. Since all other QA is acceptable this batch is approved.									
Method: E903.0									Batch: C_RA226-2758
Sample ID: C08040783-001AMS	Sample Matrix Spike				Run: SUB-C100799				05/05/08 15:41
Radium 226	8.2	pCi/L		86	70	130			
Sample ID: C08040783-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100799				05/05/08 15:41
Radium 226	8.2	pCi/L		86	70	130	0.2	21.7	
Sample ID: MB-RA226-2758	Method Blank				Run: SUB-C100799				05/05/08 17:29
Radium 226	1	pCi/L							
Sample ID: LCS-RA226-2758	Laboratory Control Sample				Run: SUB-C100799				05/05/08 17:29
Radium 226	6.9	pCi/L		93	70	130			
Method: E907.0									Batch: C_18345
Sample ID: C08040702-001KMS	Sample Matrix Spike				Run: SUB-C100376				04/21/08 15:00
Thorium 230	23.8	pCi/L		102	70	130			
Sample ID: C08040702-001KMSD	Sample Matrix Spike Duplicate				Run: SUB-C100376				04/21/08 15:00
Thorium 230	20.7	pCi/L		88	70	130	14	30	
Sample ID: LCS-18345	Laboratory Control Sample				Run: SUB-C100376				04/21/08 15:00
Thorium 230	54.4	pCi/L	0.20	111	70	130			
Sample ID: MB-18345	Method Blank				Run: SUB-C100376				04/21/08 15:00
Thorium 230	0.6	pCi/L							

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R100603
Sample ID: LCS-R100603	Laboratory Control Sample				Run: SUB-C100603				04/25/08 11:00
Thorium 230	6.60	pCi/L	0.20	94	70	130			
Sample ID: C08040863-001EMS	Sample Matrix Spike				Run: SUB-C100603				04/25/08 11:00
Thorium 230	13.7	pCi/L	0.20	85	70	130			
Sample ID: C08040863-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C100603				04/25/08 11:00
Thorium 230	16.2	pCi/L	0.20	99	70	130	17	30	
Sample ID: MB-R100603	Method Blank				Run: SUB-C100603				04/25/08 11:00
Thorium 230	1E-05	pCi/L							U

Qualifiers:

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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

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

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Powertech Dewey Burdock

Report Mail Address: RESPEC

Contact Name, Phone, Fax, E-mail: Cory.foreman@respec.com

Sampler Name if other than Contact: ERIK KRANTZ

Invoice Address: RESPEC

Invoice Contact & Phone #: "

Purchase Order #:

ELI Quote #:

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

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

NELAC ☐ A2LA ☐ Level IV ☐

Other _____

EDD/EDT ☐ Format _____

ANALYSIS REQUESTED: As Per Quote

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

Receipt Temp 4.6 °C on ice

Cooler ID(s)

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	Dew Burd CHR01	4/16/08	15:30	W				set 21	80410220-001
2	Dew Burd BLK01	4/16/08	15:45	W				set 25	002
3									
4									
5									
6									
7									
8									
9									
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by:	Date/Time:	Shipped by:	Received by:	Date/Time:
[signature]	04/16/08 0700		[signature]	4-17-08 0700
Relinquished by:	Date/Time:	Shipped by:	Received by:	Date/Time:

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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

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

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ANALYTICAL SUMMARY REPORT

July 30, 2008

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

Workorder No.: R08050356 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 5 samples from RESPEC Inc on 5/27/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050356-001	DewBurd CHR05	05/26/08 13:00	05/27/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08050356-002	DewBurd BVC01	05/26/08 14:00	05/27/08	Aqueous	Same As Above
R08050356-003	DewBurd CHR01	05/26/08 14:45	05/27/08	Aqueous	Same As Above

R08050356-004	DewBurd BVC04	05/26/08 16:30 05/27/08	Aqueous	Same As Above
R08050356-005	DewBurd BLK01	05/26/08 16:50 05/27/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended

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

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

Report Approved By:

Linda Larson

Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-001
Client Sample ID: DewBurd CHR05

Report Date: 07/30/08
Collection Date: 05/26/08 13:00
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	3500	CFU/100ml	D	100		100	A9222 D	05/27/08 12:40/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	90	mg/L		5		1	A2320 B	06/02/08 11:02/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:02/mb
Bicarbonate as HCO3	110	mg/L		5		1	A2320 B	06/02/08 11:02/mb
Calcium	34.3	mg/L		0.5		2	E200.7	06/16/08 18:28/eli-c
Chloride	17	mg/L		1		1	E300.0	05/28/08 20:31/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/28/08 20:31/jmh
Magnesium	10.1	mg/L		0.5		2	E200.7	06/16/08 18:28/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/28/08 13:34/jmh
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	05/28/08 20:31/jmh
Potassium	6	mg/L		1		2	E200.7	06/16/08 18:28/eli-c
Silica	2.9	mg/L		0.5		2	E200.7	06/16/08 18:28/eli-c
Sodium	54	mg/L	D	2		2	E200.7	06/16/08 18:28/eli-c
Sulfate	180	mg/L	D	3		50	E300.0	05/28/08 19:41/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	537	umhos/cm		5.0		1	A2510 B	05/29/08 15:07/tb
pH	7.78	s.u.		0.01		1	A4500-H B	05/29/08 14:11/tb
Sodium Adsorption Ratio (SAR)	2.1	unitless		0.10		1	Calculation	07/21/08 11:31/ADM
Solids, Suspended Sediment SSC @ 105 C	4840	mg/L		5		1	D3977	05/29/08 16:03/mb
Solids, Total Dissolved TDS @ 180 C	340	mg/L		5		1	A2540 C	05/30/08 11:51/mb
Solids, Total Suspended TSS @ 105 C	4900	mg/L		5		1	A2540 D	05/28/08 09:21/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 18:28/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/22/08 18:38/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 18:28/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 18:28/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 18:38/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	06/16/08 18:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/22/08 18:38/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	06/16/08 18:28/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 18:38/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	06/16/08 18:28/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 18:38/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 18:28/eli-c
Nickel	ND	mg/L		0.01		2	E200.7	06/16/08 18:28/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-001
Client Sample ID: DewBurd CHR05

Report Date: 07/30/08
Collection Date: 05/26/08 13:00
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 18:38/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/22/08 18:38/eli-c
Uranium	0.0028	mg/L		0.0003		1	E200.8	06/22/08 18:38/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 18:28/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 18:28/eli-c
METALS - SUSPENDED								
Thorium 232	0.035	mg/L		0.001		1	E200.8	06/23/08 10:54/eli-c
Uranium	0.0067	mg/L		0.0003		1	E200.8	06/23/08 10:54/eli-c
METALS - TOTAL								
Aluminum	170	mg/L		0.1		2	E200.7	06/12/08 18:16/eli-c
Arsenic	0.029	mg/L		0.001		5	E200.8	06/14/08 00:07/eli-c
Barium	0.9	mg/L		0.1		2	E200.7	06/12/08 18:16/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/12/08 18:16/eli-c
Cadmium	ND	mg/L		0.005		5	E200.8	06/14/08 00:07/eli-c
Chromium	0.19	mg/L		0.05		2	E200.7	06/12/08 18:16/eli-c
Chromium, Hexavalent	0.009	mg/L		0.005		1	A3500-Cr B	05/27/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	07/21/08 00:00/jmh
Copper	0.10	mg/L		0.01		2	E200.7	06/12/08 18:16/eli-c
Iron	108	mg/L	D	0.2		2	E200.7	06/12/08 18:16/eli-c
Lead	0.110	mg/L		0.001		5	E200.8	06/14/08 00:07/eli-c
Manganese	1.39	mg/L		0.01		2	E200.7	06/12/08 18:16/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/12/08 18:16/eli-c
Nickel	0.10	mg/L		0.05		2	E200.7	06/12/08 18:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 21:15/eli-c
Thorium 232	0.046	mg/L		0.005		5	E200.8	06/14/08 00:07/eli-c
Uranium	0.0122	mg/L		0.0003		5	E200.8	06/14/08 00:07/eli-c
Vanadium	0.3	mg/L		0.1		2	E200.7	06/12/08 18:16/eli-c
Zinc	0.47	mg/L		0.01		2	E200.7	06/12/08 18:16/eli-c
Calcium	70.8	mg/L		0.5		2	E200.7	06/12/08 18:16/eli-c
Magnesium	44.8	mg/L		0.5		2	E200.7	06/12/08 18:16/eli-c
Potassium	31.5	mg/L		0.5		2	E200.7	06/12/08 18:16/eli-c
Silica	56.4	mg/L		0.5		2	E200.7	06/12/08 18:16/eli-c
Sodium	58	mg/L	D	1		2	E200.7	06/12/08 18:16/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	06/20/08 15:46/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:43/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-001
Client Sample ID: DewBurd CHR05

Report Date: 07/30/08
Collection Date: 05/26/08 13:00
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:18/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:16/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	0.7	pCi/L	U			1	E909.0M	07/08/08 11:20/eli-c
Lead 210 MDC	9.6	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Lead 210 precision (±)	5.8	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Polonium 210	-0.3	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	1.4	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	11.2	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	3.8	pCi/L		1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	3.8	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	2.2	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	29.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	3.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	22.4	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	3.4	pCi/L				1	E900.0	06/28/08 01:42/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-001
Client Sample ID: DewBurd CHR05

Report Date: 07/30/08
Collection Date: 05/26/08 13:00
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma	40.1	pCi/L		20.0		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	15.3	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	12	pCi/L	U			1	E909.0M	07/18/08 17:46/eli-c
Lead 210 precision (±)	12	pCi/L				1	E909.0M	07/18/08 17:46/eli-c
Polonium 210	3.5	pCi/L		1.0		1	RMO-3008	07/18/08 17:46/eli-c
Polonium 210 precision (±)	1.8	pCi/L				1	RMO-3008	07/18/08 17:46/eli-c
Radium 226	5.1	pCi/L				1	E903.0	07/18/08 17:46/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	07/18/08 17:46/eli-c
Thorium 230	2.3	pCi/L		0.2		1	E907.0	07/18/08 17:46/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	07/18/08 17:46/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:20/eli-b
DATA QUALITY								
A/C Balance (± 5)	-9.14	%				1	A1030 E	07/21/08 00:00/jmh
Anions	6.07	meq/L				1	A1030 E	07/21/08 00:00/jmh
Cations	5.05	meq/L				1	A1030 E	07/21/08 00:00/jmh
Solids, Total Dissolved Calculated	365	mg/L				1	A1030 E	07/21/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	07/21/08 00:00/jmh

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-002
Client Sample ID: DewBurd BVC01

Report Date: 07/30/08
Collection Date: 05/26/08 14:00
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	5700	CFU/100ml	D	100		100	A9222 D	05/27/08 12:40/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	84	mg/L		5		1	A2320 B	06/02/08 11:05/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:05/mb
Bicarbonate as HCO3	102	mg/L		5		1	A2320 B	06/02/08 11:05/mb
Calcium	75.5	mg/L		0.5		2	E200.7	06/16/08 19:08/eli-c
Chloride	38	mg/L	D	5		50	E300.0	05/28/08 20:47/jmh
Chloride	24	mg/L		1		5	E300.0	05/29/08 23:44/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/28/08 21:03/jmh
Magnesium	17.2	mg/L		0.5		2	E200.7	06/16/08 19:08/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/28/08 13:35/jmh
Nitrogen, Nitrate as N	0.6	mg/L		0.1		1	E300.0	05/28/08 21:03/jmh
Potassium	7	mg/L		1		2	E200.7	06/16/08 19:08/eli-c
Silica	2.9	mg/L		0.5		2	E200.7	06/16/08 19:08/eli-c
Sodium	93	mg/L	D	2		2	E200.7	06/16/08 19:08/eli-c
Sulfate	317	mg/L	D	3		50	E300.0	05/28/08 20:47/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	908	umhos/cm		5.0		1	A2510 B	05/29/08 15:08/tb
pH	7.69	s.u.		0.01		1	A4500-H B	05/29/08 14:12/tb
Sodium Adsorption Ratio (SAR)	2.5	unitless		0.10		1	Calculation	07/21/08 11:31/ADM
Solids, Suspended Sediment SSC @ 105 C	4840	mg/L		5		1	D3977	05/29/08 16:04/mb
Solids, Total Dissolved TDS @ 180 C	620	mg/L		5		1	A2540 C	05/30/08 11:53/mb
Solids, Total Suspended TSS @ 105 C	4600	mg/L		5		1	A2540 D	05/28/08 09:21/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:08/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/22/08 18:45/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:08/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/16/08 19:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 18:45/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	06/16/08 19:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/22/08 18:45/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 19:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 18:45/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	06/16/08 19:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 18:45/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:08/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-002
Client Sample ID: DewBurd BVC01

Report Date: 07/30/08
Collection Date: 05/26/08 14:00
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	06/16/08 19:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 18:45/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/22/08 18:45/eli-c
Uranium	0.0020	mg/L		0.0003		1	E200.8	06/22/08 18:45/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 19:08/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:08/eli-c
METALS - SUSPENDED								
Thorium 232	0.013	mg/L		0.001		1	E200.8	06/23/08 11:21/eli-c
Uranium	0.0031	mg/L		0.0003		1	E200.8	06/23/08 11:21/eli-c
METALS - TOTAL								
Aluminum	99.3	mg/L		0.1		2	E200.7	06/12/08 18:20/eli-c
Arsenic	0.048	mg/L		0.001		5	E200.8	06/14/08 00:14/eli-c
Barium	1.1	mg/L		0.1		2	E200.7	06/12/08 18:20/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	06/12/08 18:20/eli-c
Cadmium	ND	mg/L		0.005		5	E200.8	06/14/08 00:14/eli-c
Chromium	0.19	mg/L		0.05		2	E200.7	06/12/08 18:20/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	05/27/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	07/21/08 00:00/jmh
Copper	0.11	mg/L		0.01		2	E200.7	06/12/08 18:20/eli-c
Iron	137	mg/L	D	0.2		2	E200.7	06/12/08 18:20/eli-c
Lead	0.088	mg/L		0.001		5	E200.8	06/14/08 00:14/eli-c
Manganese	1.82	mg/L		0.01		2	E200.7	06/12/08 18:20/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/12/08 18:20/eli-c
Nickel	0.15	mg/L		0.05		2	E200.7	06/12/08 18:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 21:22/eli-c
Thorium 232	0.040	mg/L		0.005		5	E200.8	06/14/08 00:14/eli-c
Uranium	0.0109	mg/L		0.0003		5	E200.8	06/14/08 00:14/eli-c
Vanadium	0.4	mg/L		0.1		2	E200.7	06/12/08 18:20/eli-c
Zinc	0.54	mg/L		0.01		2	E200.7	06/12/08 18:20/eli-c
Calcium	132	mg/L		0.5		2	E200.7	06/12/08 18:20/eli-c
Magnesium	59.8	mg/L		0.5		2	E200.7	06/12/08 18:20/eli-c
Potassium	37.4	mg/L		0.5		2	E200.7	06/12/08 18:20/eli-c
Silica	51.9	mg/L		0.5		2	E200.7	06/12/08 18:20/eli-c
Sodium	99	mg/L	D	1		2	E200.7	06/12/08 18:20/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	06/20/08 15:52/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-002
Client Sample ID: DewBurd BVC01

Report Date: 07/30/08
Collection Date: 05/26/08 14:00
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-IV	0.002	mg/L		0.001		1	A3114 B	06/20/08 10:50/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:37/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:26/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	-1	pCi/L	U			1	E909.0M	07/08/08 11:20/eli-c
Lead 210 MDC	9.6	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Lead 210 precision (±)	5.7	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.90	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	2.0	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	06/19/08 00:49/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
RADIONUCLIDES - SUSPENDED								
Lead 210	15.3	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	42.4	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	70.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	3.0	pCi/L		1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	3.3	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	3.1	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 precision (±)	1.6	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 MDC	2.0	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	3.4	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	1.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	18.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	4.5	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	12.7	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	3.3	pCi/L				1	E900.0	06/28/08 01:42/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-002
Client Sample ID: DewBurd BVC01

Report Date: 07/30/08
Collection Date: 05/26/08 14:00
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Beta MDC	5.1	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		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 - TOTAL - CALCULATED								
Lead 210	14	pCi/L	U			1	E909.0M	07/18/08 17:46/eli-c
Lead 210 precision (±)	43	pCi/L				1	E909.0M	07/18/08 17:46/eli-c
Polonium 210	3.3	pCi/L		1.0		1	RMO-3008	07/18/08 17:46/eli-c
Polonium 210 precision (±)	3.4	pCi/L				1	RMO-3008	07/18/08 17:46/eli-c
Radium 226	5.1	pCi/L				1	E903.0	07/18/08 17:46/eli-c
Radium 226 precision (±)	1.6	pCi/L				1	E903.0	07/18/08 17:46/eli-c
Thorium 230	3.4	pCi/L		0.2		1	E907.0	07/18/08 17:46/eli-c
Thorium 230 precision (±)	1.1	pCi/L				1	E907.0	07/18/08 17:46/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:22/eli-b
DATA QUALITY								
A/C Balance (± 5)	0.0500	%				1	A1030 E	07/21/08 00:00/jmh
Anions	9.42	meq/L				1	A1030 E	07/21/08 00:00/jmh
Cations	9.43	meq/L				1	A1030 E	07/21/08 00:00/jmh
Solids, Total Dissolved Calculated	609	mg/L				1	A1030 E	07/21/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	07/21/08 00:00/jmh

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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-003
Client Sample ID: DewBurd CHR01

Report Date: 07/30/08
Collection Date: 05/26/08 14:45
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	2100	CFU/100ml	D	100		100	A9222 D	05/27/08 12:40/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	80	mg/L		5		1	A2320 B	06/02/08 11:09/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:09/mb
Bicarbonate as HCO3	98	mg/L		5		1	A2320 B	06/02/08 11:09/mb
Calcium	29.7	mg/L		0.5		2	E200.7	06/16/08 19:12/eli-c
Chloride	2	mg/L		1		1	E300.0	05/28/08 21:36/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/28/08 21:36/jmh
Magnesium	9.0	mg/L		0.5		2	E200.7	06/16/08 19:12/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/28/08 13:38/jmh
Nitrogen, Nitrate as N	0.4	mg/L		0.1		1	E300.0	05/28/08 21:36/jmh
Potassium	6	mg/L		1		2	E200.7	06/16/08 19:12/eli-c
Silica	2.6	mg/L		0.5		2	E200.7	06/16/08 19:12/eli-c
Sodium	28	mg/L	D	2		2	E200.7	06/16/08 19:12/eli-c
Sulfate	86	mg/L		1		1	E300.0	05/28/08 21:36/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	367	umhos/cm		5.0		1	A2510 B	05/29/08 15:09/tb
pH	7.81	s.u.		0.01		1	A4500-H B	05/29/08 14:13/tb
Sodium Adsorption Ratio (SAR)	1.2	unitless		0.10		1	Calculation	07/21/08 11:31/ADM
Solids, Suspended Sediment SSC @ 105 C	4840	mg/L		5		1	D3977	05/29/08 16:06/mb
Solids, Total Dissolved TDS @ 180 C	400	mg/L		5		1	A2540 C	05/30/08 11:53/mb
Solids, Total Suspended TSS @ 105 C	4400	mg/L		5		1	A2540 D	05/28/08 09:22/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:12/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/22/08 18:52/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:12/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/16/08 19:12/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 18:52/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	06/16/08 19:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/22/08 18:52/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	06/16/08 19:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 18:52/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	06/16/08 19:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 18:52/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:12/eli-c
Nickel	ND	mg/L		0.01		2	E200.7	06/16/08 19:12/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-003
Client Sample ID: DewBurd CHR01

Report Date: 07/30/08
Collection Date: 05/26/08 14:45
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 18:52/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/22/08 18:52/eli-c
Uranium	0.0024	mg/L		0.0003		1	E200.8	06/22/08 18:52/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 19:12/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:12/eli-c
METALS - SUSPENDED								
Thorium 232	0.017	mg/L		0.001		1	E200.8	06/23/08 11:27/eli-c
Uranium	0.0038	mg/L		0.0003		1	E200.8	06/23/08 11:27/eli-c
METALS - TOTAL								
Aluminum	94.7	mg/L		0.1		2	E200.7	06/12/08 18:24/eli-c
Arsenic	0.024	mg/L	D	0.003		5	E200.8	06/14/08 00:21/eli-c
Barium	0.8	mg/L		0.1		2	E200.7	06/12/08 18:24/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/12/08 18:24/eli-c
Cadmium	ND	mg/L		0.005		5	E200.8	06/14/08 00:21/eli-c
Chromium	0.19	mg/L		0.05		2	E200.7	06/12/08 18:24/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	05/27/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	07/21/08 00:00/jmh
Copper	0.10	mg/L		0.01		2	E200.7	06/12/08 18:24/eli-c
Iron	88.3	mg/L		0.03		2	E200.7	06/12/08 18:24/eli-c
Lead	0.118	mg/L		0.001		5	E200.8	06/14/08 00:21/eli-c
Manganese	1.19	mg/L		0.01		2	E200.7	06/12/08 18:24/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/12/08 18:24/eli-c
Nickel	0.08	mg/L		0.05		2	E200.7	06/12/08 18:24/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 21:29/eli-c
Thorium 232	0.046	mg/L		0.005		5	E200.8	06/14/08 00:21/eli-c
Uranium	0.0119	mg/L		0.0003		5	E200.8	06/14/08 00:21/eli-c
Vanadium	0.3	mg/L		0.1		2	E200.7	06/12/08 18:24/eli-c
Zinc	0.46	mg/L		0.01		2	E200.7	06/12/08 18:24/eli-c
Calcium	62.0	mg/L		0.5		2	E200.7	06/12/08 18:24/eli-c
Magnesium	37.3	mg/L		0.5		2	E200.7	06/12/08 18:24/eli-c
Potassium	27.4	mg/L		0.5		2	E200.7	06/12/08 18:24/eli-c
Silica	63.5	mg/L		0.5		2	E200.7	06/12/08 18:24/eli-c
Sodium	30	mg/L	D	1		2	E200.7	06/12/08 18:24/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	06/20/08 15:54/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:52/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-003
Client Sample ID: DewBurd CHR01

Report Date: 07/30/08
Collection Date: 05/26/08 14:45
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:39/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:28/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	0.5	pCi/L	U			1	E909.0M	07/08/08 11:20/eli-c
Lead 210 MDC	9.6	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Lead 210 precision (±)	5.7	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	0.06	pCi/L	U			1	E903.0	06/19/08 00:49/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c

- For Ra226, the sample specific Minimum Detectable Concentration (MDC) as required by USNRC Regulatory Guide 4.14 could not be achieved on this sample due to significant matrix interferences.

RADIONUCLIDES - SUSPENDED								
Lead 210	4.4	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	42.2	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	70.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	4.1	pCi/L		1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	3.2	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	4.0	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 precision (±)	1.8	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 MDC	2.2	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	2.0	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	1.2	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	29.1	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	3.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	2.3	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	22.1	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	06/28/08 01:42/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-003
Client Sample ID: DewBurd CHR01

Report Date: 07/30/08
Collection Date: 05/26/08 14:45
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Beta MDC	3.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		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 - TOTAL - CALCULATED								
Lead 210	5	pCi/L	U			1	E909.0M	07/18/08 17:46/eli-c
Lead 210 precision (±)	43	pCi/L				1	E909.0M	07/18/08 17:46/eli-c
Polonium 210	4.6	pCi/L		1.0		1	RMO-3008	07/18/08 17:46/eli-c
Polonium 210 precision (±)	3.5	pCi/L				1	RMO-3008	07/18/08 17:46/eli-c
Radium 226	4.1	pCi/L				1	E903.0	07/18/08 17:46/eli-c
Radium 226 precision (±)	1.8	pCi/L				1	E903.0	07/18/08 17:46/eli-c
Thorium 230	2.1	pCi/L		0.2		1	E907.0	07/18/08 17:46/eli-c
Thorium 230 precision (±)	1.2	pCi/L				1	E907.0	07/18/08 17:46/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:24/eli-b
DATA QUALITY								
A/C Balance (± 5)	1.47	%				1	A1030 E	07/21/08 00:00/jmh
Anions	3.51	meq/L				1	A1030 E	07/21/08 00:00/jmh
Cations	3.61	meq/L				1	A1030 E	07/21/08 00:00/jmh
Solids, Total Dissolved Calculated	219	mg/L				1	A1030 E	07/21/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.84					1	A1030 E	07/21/08 00:00/jmh

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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-004
Client Sample ID: DewBurd BVC04

Report Date: 07/30/08
Collection Date: 05/26/08 16:30
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	1200	CFU/100ml	D	100		100	A9222 D	05/27/08 12:40/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	84	mg/L		5		1	A2320 B	06/02/08 11:12/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:12/mb
Bicarbonate as HCO3	102	mg/L		5		1	A2320 B	06/02/08 11:12/mb
Calcium	51.5	mg/L		0.5		2	E200.7	06/16/08 19:16/eli-c
Chloride	9	mg/L		1		1	E300.0	05/28/08 22:09/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	05/28/08 22:09/jmh
Magnesium	13.2	mg/L		0.5		2	E200.7	06/16/08 19:16/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/28/08 13:42/jmh
Nitrogen, Nitrate as N	0.3	mg/L		0.1		1	E300.0	05/28/08 22:09/jmh
Potassium	6	mg/L		1		2	E200.7	06/16/08 19:16/eli-c
Silica	2.8	mg/L		0.5		2	E200.7	06/16/08 19:16/eli-c
Sodium	89	mg/L	D	2		2	E200.7	06/16/08 19:16/eli-c
Sulfate	286	mg/L	D	3		50	E300.0	05/28/08 21:53/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	784	umhos/cm		5.0		1	A2510 B	05/29/08 15:11/tb
pH	7.71	s.u.		0.01		1	A4500-H B	05/29/08 14:14/tb
Sodium Adsorption Ratio (SAR)	2.8	unitless		0.10		1	Calculation	07/21/08 11:31/ADM
Solids, Suspended Sediment SSC @ 105 C	2700	mg/L		5		1	D3977	05/29/08 16:07/mb
Solids, Total Dissolved TDS @ 180 C	520	mg/L		5		1	A2540 C	05/30/08 11:54/mb
Solids, Total Suspended TSS @ 105 C	2200	mg/L		5		1	A2540 D	05/28/08 09:22/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:16/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/22/08 18:59/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:16/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/16/08 19:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 18:59/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	06/16/08 19:16/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/22/08 18:59/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	06/16/08 19:16/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 18:59/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	06/16/08 19:16/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 18:59/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:16/eli-c
Nickel	ND	mg/L		0.01		2	E200.7	06/16/08 19:16/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-004
Client Sample ID: DewBurd BVC04

Report Date: 07/30/08
Collection Date: 05/26/08 16:30
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 18:59/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/22/08 18:59/eli-c
Uranium	0.0017	mg/L		0.0003		1	E200.8	06/22/08 18:59/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 19:16/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:16/eli-c
METALS - SUSPENDED								
Thorium 232	0.009	mg/L		0.001		1	E200.8	06/23/08 11:34/eli-c
Uranium	0.0021	mg/L		0.0003		1	E200.8	06/23/08 11:34/eli-c
METALS - TOTAL								
Aluminum	61.3	mg/L		0.1		2	E200.7	06/12/08 18:28/eli-c
Arsenic	0.023	mg/L	D	0.003		5	E200.8	06/14/08 00:28/eli-c
Barium	0.5	mg/L		0.1		2	E200.7	06/12/08 18:28/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/12/08 18:28/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	06/12/08 18:28/eli-c
Chromium	0.08	mg/L		0.05		2	E200.7	06/12/08 18:28/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	05/27/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	07/21/08 00:00/jmh
Copper	0.07	mg/L		0.01		2	E200.7	06/12/08 18:28/eli-c
Iron	63.1	mg/L		0.03		2	E200.7	06/12/08 18:28/eli-c
Lead	0.047	mg/L		0.001		5	E200.8	06/14/08 00:28/eli-c
Manganese	1.34	mg/L		0.01		2	E200.7	06/12/08 18:28/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/12/08 18:28/eli-c
Nickel	0.08	mg/L		0.05		2	E200.7	06/12/08 18:28/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 21:36/eli-c
Thorium 232	0.021	mg/L		0.005		5	E200.8	06/14/08 00:28/eli-c
Uranium	0.0069	mg/L		0.0003		5	E200.8	06/14/08 00:28/eli-c
Vanadium	0.2	mg/L		0.1		2	E200.7	06/12/08 18:28/eli-c
Zinc	0.27	mg/L		0.01		2	E200.7	06/12/08 18:28/eli-c
Calcium	81.3	mg/L		0.5		2	E200.7	06/12/08 18:28/eli-c
Magnesium	32.8	mg/L		0.5		2	E200.7	06/12/08 18:28/eli-c
Potassium	20.4	mg/L		0.5		2	E200.7	06/12/08 18:28/eli-c
Silica	77.6	mg/L		0.5		2	E200.7	06/12/08 18:28/eli-c
Sodium	96	mg/L	D	1		2	E200.7	06/12/08 18:28/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	06/20/08 15:57/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:54/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-004
Client Sample ID: DewBurd BVC04

Report Date: 07/30/08
Collection Date: 05/26/08 16:30
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:41/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:30/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	0.9	pCi/L	U			1	E909.0M	07/08/08 11:20/eli-c
Lead 210 MDC	9.6	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Lead 210 precision (±)	5.8	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	-0.06	pCi/L	U			1	E903.0	06/19/08 00:49/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	06/16/08 13:30/eli-c

- For Ra226, the sample specific Minimum Detectable Concentration (MDC) as required by USNRC Regulatory Guide 4.14 could not be achieved on this sample due to significant matrix interferences.

RADIONUCLIDES - SUSPENDED								
Lead 210	-30	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	41.5	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	70.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	3.7	pCi/L		1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	2.9	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	2.2	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 precision (±)	1.6	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 MDC	2.2	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	2.1	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	1.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	12.5	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	2.7	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	12.9	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	06/28/08 01:42/eli-c

Report Definitions:
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MDC - Minimum detectable concentration
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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-004
Client Sample ID: DewBurd BVC04

Report Date: 07/30/08
Collection Date: 05/26/08 16:30
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Beta MDC	3.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		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 - TOTAL - CALCULATED								
Lead 210	-33	pCi/L	U			1	E909.0M	07/18/08 17:46/eli-c
Lead 210 precision (±)	42	pCi/L				1	E909.0M	07/18/08 17:46/eli-c
Polonium 210	3.8	pCi/L		1.0		1	RMO-3008	07/18/08 17:46/eli-c
Polonium 210 precision (±)	3.1	pCi/L				1	RMO-3008	07/18/08 17:46/eli-c
Radium 226	2.2	pCi/L	U			1	E903.0	07/18/08 17:46/eli-c
Radium 226 precision (±)	1.6	pCi/L				1	E903.0	07/18/08 17:46/eli-c
Thorium 230	2.1	pCi/L		0.2		1	E907.0	07/18/08 17:46/eli-c
Thorium 230 precision (±)	1.2	pCi/L				1	E907.0	07/18/08 17:46/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:31/eli-b
DATA QUALITY								
A/C Balance (± 5)	-1.82	%				1	A1030 E	07/21/08 00:00/jmh
Anions	7.96	meq/L				1	A1030 E	07/21/08 00:00/jmh
Cations	7.68	meq/L				1	A1030 E	07/21/08 00:00/jmh
Solids, Total Dissolved Calculated	516	mg/L				1	A1030 E	07/21/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	07/21/08 00:00/jmh

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-005
Client Sample ID: DewBurd BLK01

Report Date: 07/30/08
Collection Date: 05/26/08 16:50
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	05/27/08 12:40/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	06/02/08 11:13/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:13/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	06/02/08 11:13/mb
Calcium	ND	mg/L		0.5		2	E200.7	06/16/08 19:20/eli-c
Chloride	ND	mg/L		1		1	E300.0	05/28/08 22:58/jmh
Fluoride	0.1	mg/L		0.1		1	E300.0	05/28/08 22:58/jmh
Magnesium	ND	mg/L		0.5		2	E200.7	06/16/08 19:20/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/28/08 13:43/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/28/08 22:58/jmh
Potassium	ND	mg/L		1		2	E200.7	06/16/08 19:20/eli-c
Silica	ND	mg/L		0.5		2	E200.7	06/16/08 19:20/eli-c
Sodium	ND	mg/L	D	2		2	E200.7	06/16/08 19:20/eli-c
Sulfate	ND	mg/L		1		1	E300.0	05/28/08 22:58/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5.1	umhos/cm		5.0		1	A2510 B	05/29/08 15:13/tb
pH	4.79	s.u.		0.01		1	A4500-H B	05/29/08 14:17/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	07/21/08 11:31/ADM
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	05/28/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		5		1	A2540 C	05/30/08 11:55/mb
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	05/28/08 09:23/mb
- SAR calculations may not be appropriate for near blank results.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 19:20/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/22/08 19:05/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 19:20/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 19:20/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/22/08 19:05/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	06/16/08 19:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/22/08 19:05/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 19:20/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/22/08 19:05/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	06/16/08 19:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/22/08 19:05/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 19:20/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-005
Client Sample ID: DewBurd BLK01

Report Date: 07/30/08
Collection Date: 05/26/08 16:50
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	06/16/08 19:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/22/08 19:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/22/08 19:05/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/22/08 19:05/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 19:20/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 19:20/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	06/23/08 11:41/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/23/08 11:41/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		2	E200.7	06/12/08 18:32/eli-c
Arsenic	ND	mg/L	D	0.003		1	E200.8	06/14/08 00:34/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/12/08 18:32/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/12/08 18:32/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/14/08 00:34/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/12/08 18:32/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	05/27/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	07/21/08 00:00/jmh
Copper	ND	mg/L		0.01		2	E200.7	06/12/08 18:32/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/12/08 18:32/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/14/08 00:34/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	06/12/08 18:32/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/12/08 18:32/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/12/08 18:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 21:42/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/14/08 00:34/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/14/08 00:34/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/12/08 18:32/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/12/08 18:32/eli-c
Calcium	ND	mg/L		0.5		2	E200.7	06/12/08 18:32/eli-c
Magnesium	ND	mg/L		0.5		2	E200.7	06/12/08 18:32/eli-c
Potassium	ND	mg/L		0.5		2	E200.7	06/12/08 18:32/eli-c
Silica	ND	mg/L		0.5		2	E200.7	06/12/08 18:32/eli-c
Sodium	ND	mg/L	D	1		2	E200.7	06/12/08 18:32/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	06/20/08 16:03/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-005
Client Sample ID: DewBurd BLK01

Report Date: 07/30/08
Collection Date: 05/26/08 16:50
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:00/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 16:43/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 11:33/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	-0.4	pCi/L	U			1	E909.0M	07/08/08 11:20/eli-c
Lead 210 MDC	9.6	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Lead 210 precision (±)	5.7	pCi/L				1	E909.0M	07/08/08 11:20/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	06/17/08 12:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	06/17/08 12:00/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	06/19/08 00:49/eli-c
Radium 226 precision (±)	0.09	pCi/L				1	E903.0	06/19/08 00:49/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	06/19/08 00:49/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
RADIONUCLIDES - SUSPENDED								
Lead 210	-4	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	-0.5	pCi/L	U			1	E903.0	06/17/08 09:15/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	06/17/08 09:15/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	-0.2	pCi/L	U			1	E900.0	06/28/08 01:42/eli-c
Gross Alpha precision (±)	0.6	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Alpha MDC	1.0	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Beta	-1	pCi/L	U			1	E900.0	06/28/08 01:42/eli-c
Gross Beta precision (±)	1.7	pCi/L				1	E900.0	06/28/08 01:42/eli-c

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ND - Not detected at the reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050356-005
Client Sample ID: DewBurd BLK01

Report Date: 07/30/08
Collection Date: 05/26/08 16:50
Date Received: 05/27/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Beta MDC	2.8	pCi/L				1	E900.0	06/28/08 01:42/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		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 - TOTAL - CALCULATED								
Lead 210	-4	pCi/L	U			1	E909.0M	07/18/08 17:46/eli-c
Lead 210 precision (±)	12	pCi/L				1	E909.0M	07/18/08 17:46/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	07/18/08 17:46/eli-c
Polonium 210 precision (±)	0.76	pCi/L				1	RMO-3008	07/18/08 17:46/eli-c
Radium 226	-0.6	pCi/L	U			1	E903.0	07/18/08 17:46/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/18/08 17:46/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	07/18/08 17:46/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/18/08 17:46/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:34/eli-b

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080602A-ALK-SEL-W	
Sample ID: LCS1_080602A	Laboratory Control Sample				Run: PH_COND1-R_080602A			06/02/08 10:56	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: MBLK1_080602A	Method Blank				Run: PH_COND1-R_080602A			06/02/08 12:28	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08050406-005AMS	Sample Matrix Spike				Run: PH_COND1-R_080602A			06/02/08 11:35	
Alkalinity, Total as CaCO3	242	mg/L	5.0	98	80	120			
Sample ID: R08050406-005AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080602A			06/02/08 11:38	
Alkalinity, Total as CaCO3	244	mg/L	5.0	100	80	120	0.8	10	
Method: A2510 B								Batch: 080529_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529C			05/29/08 15:04	
Conductivity @ 25 C	1390	umhos/cm	5.0	98	90	110			
Sample ID: LCS1-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529C			05/29/08 15:02	
Conductivity @ 25 C	153	umhos/cm	5.0	102	90	110			
Sample ID: LCS2-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529C			05/29/08 15:01	
Conductivity @ 25 C	4890	umhos/cm	5.0	98	90	110			
Sample ID: R08050406-005ADUP	Sample Duplicate				Run: PH_COND2-R_080529C			05/29/08 15:22	
Conductivity @ 25 C	1040	umhos/cm	5.0				1.0	10	
Method: A2540 C								Batch: 080530A-SLDS-TDS-W	
Sample ID: LCS1_080530A	Laboratory Control Sample				Run: BAL-4-R_080530A			05/30/08 11:44	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080530A	Method Blank				Run: BAL-4-R_080530A			05/30/08 11:45	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08050356-001CMS	Sample Matrix Spike				Run: BAL-4-R_080530A			05/30/08 11:52	
Solids, Total Dissolved TDS @ 180 C	550	mg/L	5.0	106	80	120			
Sample ID: R08050356-001CMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080530A			05/30/08 11:52	
Solids, Total Dissolved TDS @ 180 C	560	mg/L	5.0	108	80	120	0.7	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080528A-SLDS-TSS-W	
Sample ID: LCS1_080528A	Laboratory Control Sample				Run: BAL-4-R_080528A			05/28/08 09:11	
Solids, Total Suspended TSS @ 105 C	190	mg/L	5.0	94	85	115			
Sample ID: MBLK1_080528A	Method Blank				Run: BAL-4-R_080528A			05/28/08 09:12	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Method: A3114 B								Analytical Run: SUB-C102993	
Sample ID: 288-92-2	Initial Calibration Verification Standard							06/20/08 09:57	
Selenium-IV	0.053	mg/L	0.0010	105	90	110			
Method: A3114 B								Batch: C_SE3114-080620A	
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C102993			06/20/08 10:11	
Selenium-IV	0.049	mg/L	0.0010	99	90	110			
Sample ID: R08050356-001A	Sample Matrix Spike				Run: SUB-C102993			06/20/08 10:45	
Selenium-IV	0.069	mg/L	0.0010	137	85	115			S
Sample ID: R08050356-001A	Sample Matrix Spike Duplicate				Run: SUB-C102993			06/20/08 10:48	
Selenium-IV	0.075	mg/L	0.0010	151	85	115	9.3	10	S
Sample ID: C08060097-001HMS	Sample Matrix Spike				Run: SUB-C102993			06/20/08 11:18	
Selenium-IV	0.046	mg/L	0.0010	93	85	115			
Sample ID: C08060097-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102993			06/20/08 11:20	
Selenium-IV	0.048	mg/L	0.0010	96	85	115	3.3	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-080620C	
Sample ID: MBLK	Method Blank				Run: SUB-C103018			06/20/08 15:10	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C103018			06/20/08 15:14	
Selenium	0.049	mg/L	0.0010	99	90	110			
Sample ID: R08050356-001A	Sample Matrix Spike				Run: SUB-C103018			06/20/08 15:48	
Selenium	0.073	mg/L	0.0010	146	85	115			S
Sample ID: R08050356-001A	Sample Matrix Spike Duplicate				Run: SUB-C103018			06/20/08 15:50	
Selenium	0.073	mg/L	0.0010	145	85	115	0.0	10	S
Sample ID: C08060097-001HMS	Sample Matrix Spike				Run: SUB-C103018			06/20/08 16:20	
Selenium	0.044	mg/L	0.0010	87	85	115			
Sample ID: C08060097-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C103018			06/20/08 16:22	
Selenium	0.044	mg/L	0.0010	89	85	115	1.8	10	
Method: A3500-Cr B								Batch: 080527-CR-HEX-W	
Sample ID: MBLK	Method Blank				Run: SPEC1_080527A			05/27/08 00:00	
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_080527A			05/27/08 00:00	
Chromium, Hexavalent	0.24	mg/L	0.0050	119	80	120			
Sample ID: R08050355-001E	Sample Matrix Spike				Run: SPEC1_080527A			05/27/08 00:00	
Chromium, Hexavalent	2.3	mg/L	0.050	115	80	120			
Sample ID: R08050356-001E	Sample Matrix Spike				Run: SPEC1_080527A			05/27/08 00:00	
Chromium, Hexavalent	0.24	mg/L	0.0050	113	80	120			
Sample ID: R08050356-002E	Sample Matrix Spike				Run: SPEC1_080527A			05/27/08 00:00	
Chromium, Hexavalent	0.24	mg/L	0.0050	118	80	120			
Sample ID: R08050356-003E	Sample Matrix Spike				Run: SPEC1_080527A			05/27/08 00:00	
Chromium, Hexavalent	0.24	mg/L	0.0050	120	80	120			
Sample ID: R08050356-004E	Sample Matrix Spike				Run: SPEC1_080527A			05/27/08 00:00	
Chromium, Hexavalent	0.24	mg/L	0.0050	118	80	120			
Sample ID: R08050356-005E	Sample Matrix Spike				Run: SPEC1_080527A			05/27/08 00:00	
Chromium, Hexavalent	0.24	mg/L	0.0050	119	80	120			

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B								Batch: 080529_1_PH-W	
Sample ID: LCS_pH-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529A			05/29/08 14:07	
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08050406-003ADUP	Sample Duplicate				Run: PH_COND2-R_080529A			05/29/08 14:24	
pH	6.99	s.u.	0.010				0.6	1.25	
Method: A4500-NH3 G								Batch: A2008-05-28_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080528A			05/28/08 10:35	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080528A			05/28/08 10:36	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	107	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080528A			05/28/08 10:38	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	100	90	110			
Sample ID: R08050356-003FMS	Sample Matrix Spike				Run: TECHAA2-R_080528A			05/28/08 13:40	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	93	80	120			
Sample ID: R08050356-003FMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080528A			05/28/08 13:41	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	92	80	120	1.2	10	
Method: A9222 D								Batch: 080527-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080527A			05/27/08 10:40	
Bacteria, Fecal Coliform	ND	CFU/100ml							
Sample ID: R08050353-001A	Sample Duplicate				Run: MEMFILT_080527A			05/27/08 10:40	
Bacteria, Fecal Coliform	38	CFU/100ml	2.0				5.1	10	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18755
Sample ID: MB-18755	Method Blank				Run: SUB-C102628				06/12/08 17:28
Aluminum	ND	mg/L	0.002						
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.01						
Cadmium	ND	mg/L	0.001						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Vanadium	0.009	mg/L	0.005						
Zinc	0.003	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	ND	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS3-18755	Laboratory Control Sample				Run: SUB-C102628				06/12/08 17:32
Aluminum	2.57	mg/L	0.10	103	85	115			
Barium	0.537	mg/L	0.10	107	85	115			
Boron	0.555	mg/L	0.10	104	85	115			
Cadmium	0.261	mg/L	0.010	104	85	115			
Chromium	0.532	mg/L	0.050	106	85	115			
Copper	0.529	mg/L	0.010	106	85	115			
Iron	2.75	mg/L	0.030	110	85	115			
Manganese	2.66	mg/L	0.010	107	85	115			
Molybdenum	0.525	mg/L	0.10	105	85	115			
Nickel	0.513	mg/L	0.050	103	85	115			
Vanadium	0.541	mg/L	0.10	106	85	115			
Zinc	0.535	mg/L	0.010	106	85	115			
Calcium	27.7	mg/L	1.0	111	85	115			
Magnesium	27.7	mg/L	1.0	111	85	115			
Potassium	26.3	mg/L	1.0	105	85	115			
Silica	5.95	mg/L	0.10	119	85	115			S
Sodium	26.7	mg/L	1.0	107	85	115			
- Response for Silica is above standard QA limit. Since the other batch QA is within acceptance range, this batch is approved.									
Sample ID: R08050356-005B	Sample Matrix Spike				Run: SUB-C102628				06/12/08 18:36
Aluminum	2.53	mg/L	0.10	101	70	130			
Barium	0.503	mg/L	0.10	101	70	130			

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18755
Sample ID: R08050356-005B	Sample Matrix Spike				Run: SUB-C102628				06/12/08 18:36
Boron	0.480	mg/L	0.10	96	70	130			
Cadmium	0.253	mg/L	0.010	101	70	130			
Chromium	0.510	mg/L	0.050	102	70	130			
Copper	0.497	mg/L	0.010	99	70	130			
Iron	2.66	mg/L	0.030	106	70	130			
Manganese	2.55	mg/L	0.010	102	70	130			
Molybdenum	0.494	mg/L	0.10	99	70	130			
Nickel	0.496	mg/L	0.050	99	70	130			
Vanadium	0.622	mg/L	0.10	114	70	130			
Zinc	0.501	mg/L	0.010	100	70	130			
Calcium	26.2	mg/L	1.0	105	70	130			
Magnesium	26.9	mg/L	1.0	107	70	130			
Potassium	26.1	mg/L	1.0	104	70	130			
Silica	6.03	mg/L	0.10	112	70	130			
Sodium	24.9	mg/L	1.1	100	70	130			
Sample ID: R08050356-005B	Sample Matrix Spike Duplicate				Run: SUB-C102628				06/12/08 18:41
Aluminum	2.52	mg/L	0.10	101	70	130	0.6	20	
Barium	0.496	mg/L	0.10	99	70	130	1.4	20	
Boron	0.474	mg/L	0.10	95	70	130	1.4	20	
Cadmium	0.245	mg/L	0.010	98	70	130	3.0	20	
Chromium	0.503	mg/L	0.050	101	70	130	1.4	20	
Copper	0.499	mg/L	0.010	100	70	130	0.6	20	
Iron	2.63	mg/L	0.030	104	70	130	1.4	20	
Manganese	2.51	mg/L	0.010	100	70	130	1.6	20	
Molybdenum	0.497	mg/L	0.10	99	70	130	0.5	20	
Nickel	0.506	mg/L	0.050	101	70	130	1.9	20	
Vanadium	0.631	mg/L	0.10	115	70	130	1.4	20	
Zinc	0.505	mg/L	0.010	100	70	130	0.8	20	
Calcium	26.5	mg/L	1.0	106	70	130	1.2	20	
Magnesium	26.6	mg/L	1.0	106	70	130	0.9	20	
Potassium	25.6	mg/L	1.0	103	70	130	1.8	20	
Silica	5.97	mg/L	0.10	110	70	130	1.0	20	
Sodium	24.8	mg/L	1.1	99	70	130	0.6	20	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R102753
Sample ID: MB-080616A	Method Blank				Run: SUB-C102753				06/16/08 15:33
Silica	ND	mg/L	0.02						
Aluminum	0.01	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.005	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	ND	mg/L	0.003						
Zinc	0.002	mg/L	0.002						
Sample ID: LFB-080616A	Laboratory Fortified Blank				Run: SUB-C102753				06/16/08 15:37
Silica	0.37	mg/L	0.10	92	85	125			
Aluminum	0.99	mg/L	0.10	98	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.00	mg/L	0.10	98	85	125			
Calcium	53	mg/L	0.50	105	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	111	85	125			
Magnesium	52	mg/L	0.50	104	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	0.98	mg/L	0.10	98	85	125			
Nickel	1.0	mg/L	0.050	100	85	125			
Potassium	46	mg/L	0.50	91	85	125			
Sodium	51	mg/L	0.77	102	85	125			
Vanadium	1.0	mg/L	0.10	104	85	125			
Zinc	1.0	mg/L	0.010	100	85	125			
Sample ID: C08060096-002CMS2	Sample Matrix Spike				Run: SUB-C102753				06/16/08 18:08
Aluminum	1.95	mg/L	0.10	98	70	130			
Barium	2.08	mg/L	0.10	104	70	130			
Boron	2.10	mg/L	0.10	102	70	130			
Chromium	2.09	mg/L	0.050	104	70	130			
Iron	2.14	mg/L	0.030	106	70	130			
Manganese	2.13	mg/L	0.010	103	70	130			
Molybdenum	2.00	mg/L	0.10	100	70	130			

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R102753	
Sample ID: C08060096-002CMS2	Sample Matrix Spike				Run: SUB-C102753			06/16/08 18:08	
Nickel	2.06	mg/L	0.050	103	70	130			
Vanadium	2.12	mg/L	0.10	104	70	130			
Zinc	2.10	mg/L	0.010	104	70	130			
Calcium	141	mg/L	1.0	102	70	130			
Magnesium	117	mg/L	1.0	104	70	130			
Potassium	98.4	mg/L	1.0	92	70	130			
Silica	4.58	mg/L	0.10		70	130			A
Sodium	372	mg/L	1.5	95	70	130			
Sample ID: C08060096-002CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C102753			06/16/08 18:12	
Aluminum	1.98	mg/L	0.10	99	70	130	1.6	20	
Barium	2.12	mg/L	0.10	106	70	130	2.0	20	
Boron	2.16	mg/L	0.10	105	70	130	2.9	20	
Chromium	2.13	mg/L	0.050	106	70	130	1.9	20	
Iron	2.16	mg/L	0.030	108	70	130	1.2	20	
Manganese	2.17	mg/L	0.010	105	70	130	1.9	20	
Molybdenum	2.06	mg/L	0.10	103	70	130	3.2	20	
Nickel	2.12	mg/L	0.050	106	70	130	2.4	20	
Vanadium	2.21	mg/L	0.10	108	70	130	4.1	20	
Zinc	2.15	mg/L	0.010	106	70	130	2.4	20	
Calcium	145	mg/L	1.0	106	70	130	2.7	20	
Magnesium	121	mg/L	1.0	107	70	130	2.7	20	
Potassium	99.1	mg/L	1.0	92	70	130	0.7	20	
Silica	4.65	mg/L	0.10		70	130	1.3	20	A
Sodium	369	mg/L	1.5	92	70	130	0.7	20	
Sample ID: R08050419-003C	Sample Matrix Spike				Run: SUB-C102753			06/16/08 19:37	
Aluminum	1.95	mg/L	0.10	98	70	130			
Barium	2.05	mg/L	0.10	103	70	130			
Boron	2.11	mg/L	0.10	103	70	130			
Chromium	2.11	mg/L	0.050	105	70	130			
Iron	2.22	mg/L	0.030	110	70	130			
Manganese	2.15	mg/L	0.010	103	70	130			
Molybdenum	2.02	mg/L	0.10	101	70	130			
Nickel	2.10	mg/L	0.050	105	70	130			
Vanadium	2.31	mg/L	0.10	110	70	130			
Zinc	2.14	mg/L	0.010	107	70	130			
Calcium	165	mg/L	1.0	106	70	130			
Magnesium	136	mg/L	1.0	109	70	130			
Potassium	103	mg/L	1.0	89	70	130			
Silica	4.18	mg/L	0.10		70	130			A

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R102753	
Sample ID: R08050419-003C	Sample Matrix Spike				Run: SUB-C102753			06/16/08 19:37	
Sodium	335	mg/L	1.5	95	70	130			
Sample ID: R08050419-003C	Sample Matrix Spike Duplicate				Run: SUB-C102753			06/16/08 19:41	
Aluminum	1.93	mg/L	0.10	97	70	130	1.1	20	
Barium	2.03	mg/L	0.10	101	70	130	1.4	20	
Boron	2.10	mg/L	0.10	102	70	130	0.8	20	
Chromium	2.07	mg/L	0.050	103	70	130	1.9	20	
Iron	2.17	mg/L	0.030	107	70	130	2.2	20	
Manganese	2.13	mg/L	0.010	102	70	130	1.0	20	
Molybdenum	2.00	mg/L	0.10	100	70	130	1.0	20	
Nickel	2.05	mg/L	0.050	102	70	130	2.6	20	
Vanadium	2.23	mg/L	0.10	106	70	130	3.8	20	
Zinc	2.09	mg/L	0.010	105	70	130	2.1	20	
Calcium	165	mg/L	1.0	106	70	130	0.0	20	
Magnesium	133	mg/L	1.0	107	70	130	2.1	20	
Potassium	104	mg/L	1.0	91	70	130	1.8	20	
Silica	4.12	mg/L	0.10		70	130	1.2	20	A
Sodium	336	mg/L	1.5	95	70	130	0.2	20	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18755
Sample ID: MB-18755	Method Blank				Run: SUB-C102666				06/13/08 23:07
Arsenic	0.002	mg/L	5E-05						
Cadmium	ND	mg/L	3E-05						
Lead	6E-06	mg/L							
Silver	ND	mg/L	4E-05						
Thorium 232	ND	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18755	Laboratory Control Sample				Run: SUB-C102666				06/13/08 23:13
Arsenic	0.504	mg/L	0.0010	100	85	115			
Cadmium	0.246	mg/L	0.010	98	85	115			
Lead	0.500	mg/L	0.050	100	85	115			
Thorium 232	0.508	mg/L	0.0010	102	85	115			
Uranium	0.513	mg/L	0.00032	103	85	115			
Sample ID: R08050356-005B	Sample Matrix Spike				Run: SUB-C102666				06/14/08 00:41
Arsenic	0.497	mg/L	0.0010	99	70	130			
Cadmium	0.246	mg/L	0.010	98	70	130			
Lead	0.499	mg/L	0.050	100	70	130			
Silver	0.0391	mg/L	0.010	78	70	130			
Thorium 232	0.506	mg/L	0.0010	101	70	130			
Uranium	0.513	mg/L	0.00032	103	70	130			
Sample ID: R08050356-005B	Sample Matrix Spike Duplicate				Run: SUB-C102666				06/14/08 00:48
Arsenic	0.551	mg/L	0.0010	110	70	130	10	20	
Cadmium	0.264	mg/L	0.010	106	70	130	7.4	20	
Lead	0.551	mg/L	0.050	110	70	130	9.9	20	
Silver	0.0440	mg/L	0.010	88	70	130	12	20	
Thorium 232	0.573	mg/L	0.0010	115	70	130	12	20	
Uranium	0.576	mg/L	0.00032	115	70	130	12	20	
Sample ID: R08050356-005B	Sample Matrix Spike				Run: SUB-C102755				06/16/08 14:18
Arsenic	0.506	mg/L	0.0010	101	70	130			
Cadmium	0.251	mg/L	0.010	100	70	130			
Lead	0.507	mg/L	0.050	101	70	130			
Silver	0.0448	mg/L	0.010	90	70	130			
Thorium 232	0.510	mg/L	0.0010	102	70	130			
Uranium	0.514	mg/L	0.00032	103	70	130			
Sample ID: R08050356-005B	Sample Matrix Spike Duplicate				Run: SUB-C102755				06/16/08 14:25
Arsenic	0.495	mg/L	0.0010	99	70	130	2.2	20	
Cadmium	0.244	mg/L	0.010	98	70	130	2.9	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18755
Sample ID: R08050356-005B	Sample Matrix Spike Duplicate				Run: SUB-C102755				06/16/08 14:25
Lead	0.498	mg/L	0.050	100	70	130	1.9	20	
Silver	0.0440	mg/L	0.010	88	70	130	1.7	20	
Thorium 232	0.506	mg/L	0.0010	101	70	130	0.8	20	
Uranium	0.509	mg/L	0.00032	102	70	130	1.0	20	
Sample ID: MB-18755	Method Blank				Run: SUB-C102823				06/17/08 20:15
Arsenic	0.0006	mg/L	5E-05						
Cadmium	ND	mg/L	3E-05						
Lead	ND	mg/L	5E-05						
Silver	0.00010	mg/L	4E-05						
Thorium 232	0.0003	mg/L	7E-05						
Uranium	8E-05	mg/L	3E-05						
Sample ID: LCS3-18755	Laboratory Control Sample				Run: SUB-C102823				06/17/08 20:21
Arsenic	0.537	mg/L	0.0010	107	85	115			
Cadmium	0.268	mg/L	0.010	107	85	115			
Lead	0.563	mg/L	0.050	113	85	115			
Silver	0.0501	mg/L	0.010	100	85	115			
Thorium 232	0.603	mg/L	0.0010	121	85	115			S
Uranium	0.602	mg/L	0.00030	120	85	115			
Sample ID: R08050356-005B	Sample Matrix Spike				Run: SUB-C102823				06/17/08 21:49
Silver	0.00426	mg/L	0.010	106	70	130			
Sample ID: R08050356-005B	Sample Matrix Spike Duplicate				Run: SUB-C102823				06/17/08 22:18
Silver	0.00428	mg/L	0.010	107	70	130	0.0	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18760
Sample ID: MB-18760	Method Blank				Run: SUB-C103038				06/23/08 10:40
Thorium 232	8E-05	mg/L							
Uranium	0.0003	mg/L	2E-05						
Sample ID: LCS1-18760	Laboratory Control Sample				Run: SUB-C103038				06/23/08 10:47
Uranium	0.0487	mg/L	0.00030	92	80	120			
The LCS was not spiked for thorium.									
Sample ID: C08060097-005KMS4	Post Digestion Spike				Run: SUB-C103038				06/23/08 11:47
Thorium 232	0.0123	mg/L	0.0010	98	70	130			
Uranium	0.0124	mg/L	0.00030	99	70	130			
Sample ID: C08060097-005KMSD4	Post Digestion Spike Duplicate				Run: SUB-C103038				06/23/08 11:54
Thorium 232	0.0124	mg/L	0.0010	99	70	130	0.2	20	
Uranium	0.0124	mg/L	0.00030	99	70	130	0.0	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R103038	
Sample ID: LRB	Method Blank				Run: SUB-C103038			06/22/08 13:02	
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	8E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C103038			06/22/08 13:09	
Silver	0.0196	mg/L	0.0010	98	85	115			
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C103038			06/22/08 14:35	
Arsenic	0.0517	mg/L	0.0010	103	85	115			
Cadmium	0.0524	mg/L	0.0010	105	85	115			
Copper	0.0516	mg/L	0.0010	103	85	115			
Lead	0.0527	mg/L	0.0010	105	85	115			
Mercury	0.00507	mg/L	0.0010	101	85	115			
Thorium 232	0.0520	mg/L	0.0010	104	85	115			
Uranium	0.0525	mg/L	0.00030	105	85	115			
Sample ID: R08050419-003C	Post Digestion Spike				Run: SUB-C103038			06/22/08 19:53	
Arsenic	0.0536	mg/L	0.0010	106	70	130			
Cadmium	0.0507	mg/L	0.010	101	70	130			
Copper	0.0505	mg/L	0.010	100	70	130			
Lead	0.0543	mg/L	0.050	109	70	130			
Mercury	0.00517	mg/L	0.0010	103	70	130			
Silver	0.0119	mg/L	0.010	60	70	130			S
Thorium 232	0.0561	mg/L	0.0010	112	70	130			
Uranium	0.0558	mg/L	0.00030	111	70	130			
Sample ID: R08050419-003C	Post Digestion Spike Duplicate				Run: SUB-C103038			06/22/08 20:00	
Arsenic	0.0548	mg/L	0.0010	108	70	130	2.2	20	
Cadmium	0.0519	mg/L	0.010	104	70	130	2.3	20	
Copper	0.0510	mg/L	0.010	101	70	130	0.8	20	
Lead	0.0549	mg/L	0.050	110	70	130	1.2	20	
Mercury	0.00531	mg/L	0.0010	106	70	130	2.7	20	
Silver	0.0124	mg/L	0.010	62	70	130	4.3	20	S
Thorium 232	0.0571	mg/L	0.0010	114	70	130	1.8	20	
Uranium	0.0567	mg/L	0.00030	113	70	130	1.7	20	

Qualifiers:

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S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R103038	
Sample ID: C08060423-001BMS	Sample Matrix Spike				Run: SUB-C103038			06/23/08 02:04	
Arsenic	0.0502	mg/L	0.0010	91	70	130			
Cadmium	0.0433	mg/L	0.0010	87	70	130			
Copper	0.0491	mg/L	0.0010	95	70	130			
Lead	0.0532	mg/L	0.0010	105	70	130			
Mercury	0.00506	mg/L	0.0010	101	70	130			
Silver	0.0155	mg/L	0.0010	77	70	130			
Thorium 232	0.0551	mg/L	0.0010	109	70	130			
Uranium	0.0552	mg/L	0.00030	110	70	130			
Sample ID: C08060423-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C103038			06/23/08 02:11	
Arsenic	0.0527	mg/L	0.0010	96	70	130	4.9	20	
Cadmium	0.0451	mg/L	0.0010	90	70	130	4.1	20	
Copper	0.0526	mg/L	0.0010	102	70	130	6.9	20	
Lead	0.0559	mg/L	0.0010	110	70	130	4.9	20	
Mercury	0.00530	mg/L	0.0010	106	70	130	4.7	20	
Silver	0.0165	mg/L	0.0010	83	70	130	6.4	20	
Thorium 232	0.0588	mg/L	0.0010	117	70	130	6.5	20	
Uranium	0.0583	mg/L	0.00030	116	70	130	5.5	20	
Method: E245.1								Batch: C_B_33012	
Sample ID: B08060960-003CMS	Sample Matrix Spike				Run: SUB-C102832			06/17/08 09:36	
Mercury	0.0019	mg/L	0.0010	90	70	130			
Sample ID: B08060960-003CMSD	Sample Matrix Spike Duplicate				Run: SUB-C102832			06/17/08 09:39	
Mercury	0.0020	mg/L	0.0010	95	70	130	4.7	30	
Sample ID: MB-33012	Method Blank				Run: SUB-C102832			06/17/08 09:25	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33012	Laboratory Fortified Blank				Run: SUB-C102832			06/17/08 09:28	
Mercury	0.0017	mg/L	0.0010	86	85	115			
Sample ID: B08060966-003BMS	Sample Matrix Spike				Run: SUB-C102832			06/17/08 11:27	
Mercury	0.0017	mg/L	0.0010	86	70	130			
Sample ID: B08060966-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102832			06/17/08 11:29	
Mercury	0.0017	mg/L	0.0010	83	70	130	3.6	30	
Method: E245.1								Analytical Run: SUB-C102832	
Sample ID: QCS	Initial Calibration Verification Standard							06/17/08 09:18	
Mercury	0.0018	mg/L	0.0010	92	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35054
Sample ID: LFB0805282601-1	Laboratory Fortified Blank				Run: DIONEX_080529A				05/28/08 18:36
Chloride	4.44	mg/L	0.50	89	90	110			S
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Sulfate	13.5	mg/L	1.0	90	90	110			
Sample ID: LFB0805282601-4	Laboratory Fortified Blank				Run: DIONEX_080529A				05/28/08 19:25
Chloride	4.44	mg/L	0.50	89	90	110			S
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Sulfate	13.5	mg/L	1.0	90	90	110			
Sample ID: R08050356-001CMS	Sample Matrix Spike				Run: DIONEX_080529A				05/28/08 19:58
Chloride	235	mg/L	5.4	81	80	120			
Fluoride	87.9	mg/L	0.56	81	80	120			
Nitrogen, Nitrate as N	111	mg/L	1.3	84	80	120			
Sulfate	761	mg/L	3.4	78	80	120			S
Sample ID: R08050356-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080529A				05/28/08 20:14
Chloride	236	mg/L	5.4	82	80	120	0.7	10	
Fluoride	88.6	mg/L	0.56	82	80	120	0.8	10	
Nitrogen, Nitrate as N	112	mg/L	1.3	85	80	120	1.0	10	
Sulfate	771	mg/L	3.4	79	80	120	1.3	10	S
Sample ID: R08050356-005CMS	Sample Matrix Spike				Run: DIONEX_080529A				05/28/08 23:15
Chloride	4.44	mg/L	0.50	89	80	120			
Fluoride	1.76	mg/L	0.10	83	80	120			
Nitrogen, Nitrate as N	2.23	mg/L	0.10	89	80	120			
Sulfate	13.4	mg/L	1.0	89	80	120			
Sample ID: R08050356-005CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080529A				05/28/08 23:31
Chloride	4.63	mg/L	0.50	93	80	120	4.2	10	
Fluoride	1.84	mg/L	0.10	87	80	120	4.4	10	
Nitrogen, Nitrate as N	2.32	mg/L	0.10	93	80	120	4.0	10	
Sulfate	13.9	mg/L	1.0	93	80	120	4.0	10	

Qualifiers:

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S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35055
Sample ID: LFB0805292120-1	Laboratory Fortified Blank				Run: DIONEX_080530A				05/29/08 12:14
Chloride	4.69	mg/L	0.50	94	90	110			
Sample ID: LFB0805292120-4	Laboratory Fortified Blank				Run: DIONEX_080530A				05/29/08 13:03
Chloride	4.87	mg/L	0.50	97	90	110			
Sample ID: R08050352-001BMS	Sample Matrix Spike				Run: DIONEX_080530A				05/29/08 21:16
Chloride	90.6	mg/L	2.2	81	80	120			
Sample ID: R08050352-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080530A				05/29/08 21:32
Chloride	92.6	mg/L	2.2	83	80	120	2.2	10	
Method: E900.0									Batch: C_GrAB-0466
Sample ID: MB-GrAB-0466	Method Blank				Run: SUB-C103442				06/27/08 13:26
Gross Alpha	-0.4	pCi/L							U
Gross Beta	-0.5	pCi/L							U
Sample ID: C08060305-001AMS	Sample Matrix Spike				Run: SUB-C103442				06/27/08 13:26
Gross Alpha	150	pCi/L		105	70	130			
Sample ID: C08060305-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C103442				06/27/08 13:26
Gross Alpha	130	pCi/L		97	70	130	8.2	16.6	
Sample ID: UNAT-GrAB-0466	Laboratory Control Sample				Run: SUB-C103442				06/27/08 13:27
Gross Alpha	130	pCi/L		97	70	130			
Sample ID: Cs137-GrAB-0466	Laboratory Control Sample				Run: SUB-C103442				06/27/08 13:26
Gross Beta	110	pCi/L		113	70	130			
Sample ID: C08060305-001AMS	Sample Matrix Spike				Run: SUB-C103442				06/27/08 13:26
Gross Beta	110	pCi/L		120	70	130			
Sample ID: C08060305-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C103442				06/27/08 13:27
Gross Beta	110	pCi/L		115	70	130	5.0	15.8	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R102468
Sample ID: LCS-R102468	Laboratory Control Sample				Run: SUB-C102468				06/04/08 12:00
Americium 241	690	pCi/L	20	85	70	130			
Cesium 137	1000	pCi/L	20	73	70	130			
Potassium 40	6700	pCi/L	20	100	70	130			
Sample ID: MB-R102468	Method Blank				Run: SUB-C102468				06/04/08 12:00
Gross Gamma	ND	pCi/L							U
Sample ID: R08050356-004I	Sample Duplicate				Run: SUB-C102468				06/04/08 12:00
Gross Gamma	ND	pCi/L	20				0.0	30	U
Method: E903.0									Batch: C_18760
Sample ID: C08051260-001IMS	Sample Matrix Spike				Run: SUB-C102780				06/17/08 09:14
Radium 226	34	pCi/L		108	70	130			
Sample ID: C08051260-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C102780				06/17/08 09:14
Radium 226	32	pCi/L		97	70	130	6.8	21.5	
Sample ID: MB-18760	Method Blank				Run: SUB-C102780				06/17/08 10:48
Radium 226	-2	pCi/L							U
Sample ID: LCS-18760	Laboratory Control Sample				Run: SUB-C102780				06/17/08 10:48
Radium 226	17	pCi/L		111	70	130			
Method: E903.0									Batch: C_RA226-2858
Sample ID: R08050356-005J	Sample Matrix Spike				Run: SUB-C102969				06/19/08 02:32
Radium 226	17	pCi/L		109	70	130			
Sample ID: R08050356-005J	Sample Matrix Spike Duplicate				Run: SUB-C102969				06/19/08 02:32
Radium 226	18	pCi/L		112	70	130	3.1	23.6	
Sample ID: MB-RA226-2858	Method Blank				Run: SUB-C102969				06/19/08 02:32
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-2858	Laboratory Control Sample				Run: SUB-C102969				06/19/08 02:32
Radium 226	8.4	pCi/L		108	70	130			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_18760
Sample ID: R08050419-002I	Sample Matrix Spike				Run: SUB-C103470				06/13/08 13:30
Thorium 230	22.2	pCi/L	0.20	95	70	130			
Sample ID: R08050419-002I	Sample Matrix Spike Duplicate				Run: SUB-C103470				06/13/08 13:30
Thorium 230	22.6	pCi/L	0.20	98	70	130	1.8	30	
Sample ID: LCS-18760	Laboratory Control Sample				Run: SUB-C103470				06/13/08 13:30
Thorium 230	51.6	pCi/L	0.20	106	70	130			
Sample ID: MB-18760	Method Blank				Run: SUB-C103470				06/13/08 13:30
Thorium 230	ND	pCi/L							U
Method: E907.0									Batch: C_R103514
Sample ID: LCS-R103514	Laboratory Control Sample				Run: SUB-C103514				06/16/08 13:30
Thorium 230	7.40	pCi/L	0.20	106	70	130			
Sample ID: C08060096-003HMS	Sample Matrix Spike				Run: SUB-C103514				06/16/08 13:30
Thorium 230	12.4	pCi/L	0.20	102	70	130			
Sample ID: C08060096-003HMSD	Sample Matrix Spike Duplicate				Run: SUB-C103514				06/16/08 13:30
Thorium 230	11.0	pCi/L	0.20	90	70	130	12	30	
Sample ID: MB-R103514	Method Blank				Run: SUB-C103514				06/16/08 13:30
Thorium 230	ND	pCi/L							
Method: E909.0M									Batch: C_18760
Sample ID: C08051260-002IMS	Sample Matrix Spike				Run: SUB-C103520				06/11/08 06:30
Lead 210	3000	pCi/L		127	70	130			
Sample ID: C08051260-002IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103520				06/11/08 06:30
Lead 210	2100	pCi/L		89	70	130	35	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R103520	Method Blank				Run: SUB-C103520				06/11/08 06:30
Lead 210	ND	pCi/L							U
Sample ID: LCS-R103520	Laboratory Control Sample				Run: SUB-C103520				06/11/08 06:30
Lead 210	230	pCi/L		98	70	130			

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_R104380
Sample ID: C08060261-002EMS	Sample Matrix Spike				Run: SUB-C104380				07/08/08 11:20
Lead 210	670	pCi/L		114	70	130			
Sample ID: C08060261-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C104380				07/08/08 11:20
Lead 210	730	pCi/L		123	70	130	7.9	30	
Sample ID: MB-R104380	Method Blank				Run: SUB-C104380				07/08/08 11:20
Lead 210	0.1	pCi/L							
Sample ID: LCS-R104380	Laboratory Control Sample				Run: SUB-C104380				07/08/08 11:20
Lead 210	97	pCi/L		82	70	130			
Method: RMO-3008									Batch: C_18760
Sample ID: C08060130-004FMS	Sample Matrix Spike				Run: SUB-C103721				06/25/08 17:27
Polonium 210	51	pCi/L	1.0	117	70	130			
Sample ID: C08060130-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C103721				06/25/08 17:27
Polonium 210	48	pCi/L	1.0	109	70	130	6.9	30	
Sample ID: LCS-18760	Laboratory Control Sample				Run: SUB-C103721				06/25/08 17:27
Polonium 210	97	pCi/L	1.0	112	70	130			
Sample ID: MB-18760	Method Blank				Run: SUB-C103721				06/25/08 17:27
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008									Batch: C_R103090
Sample ID: C08060097-005JMS	Sample Matrix Spike				Run: SUB-C103090				06/17/08 12:00
Polonium 210	110	pCi/L	1.0	127	70	130			
Sample ID: C08060097-005JMSD	Sample Matrix Spike Duplicate				Run: SUB-C103090				06/17/08 12:00
Polonium 210	130	pCi/L	1.0	148	70	130	15	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: LCS-R103090	Laboratory Control Sample				Run: SUB-C103090				06/17/08 12:00
Polonium 210	49	pCi/L	1.0	112	70	130			
Sample ID: MB-R103090	Method Blank				Run: SUB-C103090				06/17/08 12:00
Polonium 210	0.6	pCi/L							U

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050356

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R103750
Sample ID: R08050356-004K	Sample Matrix Spike				Run: SUB-C103750				07/01/08 14:30
Polonium 210	180	pCi/L	1.0	109	70	130			
Sample ID: R08050356-004K	Sample Matrix Spike Duplicate				Run: SUB-C103750				07/01/08 14:30
Polonium 210	170	pCi/L	1.0	101	70	130	8.2	30	
Sample ID: LCS-R103750	Laboratory Control Sample				Run: SUB-C103750				07/01/08 14:30
Polonium 210	130	pCi/L	1.0	152	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, and MSD are acceptable the batch is approved.									
Sample ID: MB-R103750	Method Blank				Run: SUB-C103750				07/01/08 14:30
Polonium 210	0.2	pCi/L							

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
RESIEC	POWERTECH Dewey Burdock	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** / **Phone/Fax:**	**Email:**	**Sampler: (Please Print)**
LESIEC	cory.foreman@respec.com		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**

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

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

ANALYSIS REQUESTED: As Per Quote + Lead 210 + Polonium 210

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: All SW

Shipped by:

Cooler ID(s):

Receipt Temp 7.8 °C

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Comments	LABORATORY USE ONLY
1	Dew Burd CHR05	5-26-08	13:00	W	Chey & Marietta Set 20	R0805 0356-001
2	Dew Burd BVC01	5-26-08	14:00	W	Beaver Cr @ Burdock Set 26	002
3	Dew Burd CHR01	5-26-08	14:45	W	Chapman & Anderson set 14	003
4	Dew Burd BVC04	5-26-08	16:30	W	Beaver Cr in Wy USGS set 22	004
5	Dew Burd BLK01	5-26-08	16:50	W	set 30	005
6						
7						
8						
9						
10						

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
[illegible]	5/27/08 0910	Eric Krantz	Steve Grailand	5-27-08 9:10	[illegible]
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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

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ANALYTICAL SUMMARY REPORT

August 15, 2008

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

Workorder No.: R08060315 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 6/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08060315-001	DewBurd CHR05	06/17/08 10:20	06/18/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08060315-002	DewBurd BVC01	06/17/08 11:05	06/18/08	Aqueous	Same As Above
R08060315-003	DewBurd CHR01	06/17/08 11:38	06/18/08	Aqueous	Same As Above
R08060315-004	DewBurd BVC04	06/17/08 12:20	06/18/08	Aqueous	Same As Above

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

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

Report Approved By: _____
Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-001
Client Sample ID: DewBurd CHR05

Report Date: 08/15/08
Collection Date: 06/17/08 10:20
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	28	CFU/100ml	D	2		2	A9222 D	06/18/08 10:55/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	224	mg/L		5		1	A2320 B	06/25/08 10:30/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 10:30/mb
Bicarbonate as HCO3	273	mg/L		5		1	A2320 B	06/25/08 10:30/mb
Calcium	234	mg/L		0.5		2	E200.7	07/08/08 18:28/eli-c
Chloride	337	mg/L	D	5		50	E300.0	06/19/08 17:37/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	06/19/08 18:26/jmh
Magnesium	84.9	mg/L		0.5		2	E200.7	07/08/08 18:28/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/19/08 11:57/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/19/08 18:26/jmh
Potassium	10	mg/L		1		2	E200.7	07/08/08 18:28/eli-c
Silica	4.7	mg/L		0.5		2	E200.7	07/08/08 18:28/eli-c
Sodium	564	mg/L	D	2		2	E200.7	07/08/08 18:28/eli-c
Sulfate	1180	mg/L	D	3		50	E300.0	06/19/08 17:37/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3570	umhos/cm		5.0		1	A2510 B	06/19/08 14:37/tb
pH	8.30	s.u.		0.01		1	A4500-H B	06/19/08 11:47/tb
Sodium Adsorption Ratio (SAR)	8.0	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Suspended Sediment SSC @ 105 C	91	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	2800	mg/L		5		1	A2540 C	06/18/08 15:36/mb
Solids, Total Suspended TSS @ 105 C	95	mg/L		5		1	A2540 D	06/18/08 15:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/08/08 18:28/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/17/08 16:03/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 18:28/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/08/08 18:28/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 16:03/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/08/08 18:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/17/08 16:03/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/08/08 18:28/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/17/08 16:03/eli-c
Manganese	0.16	mg/L		0.01		2	E200.7	07/08/08 18:28/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/17/08 16:03/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 18:28/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-001
Client Sample ID: DewBurd CHR05

Report Date: 08/15/08
Collection Date: 06/17/08 10:20
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	07/08/08 18:28/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 16:03/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 16:03/eli-c
Uranium	0.0139	mg/L		0.0003		1	E200.8	07/17/08 16:03/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 18:28/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 18:28/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/17/08 22:18/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/17/08 22:18/eli-c
METALS - TOTAL								
Aluminum	5.3	mg/L		0.1		2	E200.7	07/08/08 22:35/eli-c
Arsenic	0.004	mg/L	D	0.002		1	E200.8	07/17/08 07:24/eli-c
Barium	0.1	mg/L		0.1		2	E200.7	07/08/08 22:35/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	07/08/08 22:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 07:24/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 22:35/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/18/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	07/30/08 00:00/jmh
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 22:35/eli-c
Iron	3.41	mg/L		0.03		2	E200.7	07/08/08 22:35/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	07/17/08 07:24/eli-c
Manganese	0.53	mg/L		0.01		2	E200.7	07/08/08 22:35/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 22:35/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 22:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 21:18/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 07:24/eli-c
Uranium	0.0173	mg/L		0.0003		1	E200.8	07/17/08 07:24/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 22:35/eli-c
Zinc	0.02	mg/L		0.01		2	E200.7	07/08/08 22:35/eli-c
Calcium	254	mg/L		0.5		2	E200.7	07/08/08 22:35/eli-c
Magnesium	92.4	mg/L		0.5		2	E200.7	07/08/08 22:35/eli-c
Potassium	11.7	mg/L		0.5		2	E200.7	07/08/08 22:35/eli-c
Silica	17.6	mg/L		0.5		2	E200.7	07/08/08 22:35/eli-c
Sodium	601	mg/L	D	1		2	E200.7	07/08/08 22:35/eli-c
METALS - DISSOLVED - SPECIATED								

Report Definitions:
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MCL - Maximum contaminant level.
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D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-001
Client Sample ID: DewBurd CHR05

Report Date: 08/15/08
Collection Date: 06/17/08 10:20
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 14:29/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:29/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 14:49/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:04/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.2	pCi/L				1	E903.0	07/19/08 15:40/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/19/08 15:40/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	07/19/08 15:40/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/16/08 20:29/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/16/08 20:29/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.7	pCi/L	U			1	E903.0	07/15/08 14:46/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Radium 226 MDC	1.1	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Thorium 230	-0.1	pCi/L	U	0.2		1	E907.0	07/13/08 18:14/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/13/08 18:14/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	29.9	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Alpha precision (±)	9.6	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Alpha MDC	11.9	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Beta	-1.7	pCi/L	U			1	E900.0	07/22/08 12:23/eli-c
Gross Beta precision (±)	6.1	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Beta MDC	10.2	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	06/20/08 16:37/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/20/08 16:37/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	-0.48	pCi/L	U	0.2		1	E903.0	07/28/08 15:32/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/28/08 15:32/eli-c
Thorium 230	-0.04	pCi/L	U	0.2		1	E907.0	07/28/08 15:32/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/28/08 15:32/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-001
Client Sample ID: DewBurd CHR05

Report Date: 08/15/08
Collection Date: 06/17/08 10:20
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/30/08 08:42/eli-b
DATA QUALITY								
A/C Balance (± 5)	5.94	%				1	A1030 E	07/30/08 00:00/jmh
Anions	38.6	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	43.5	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	2560	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.07					1	A1030 E	07/30/08 00:00/jmh

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-002
Client Sample ID: DewBurd BVC01

Report Date: 08/15/08
Collection Date: 06/17/08 11:05
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	44	CFU/100ml	D	2		2	A9222 D	06/18/08 10:55/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	156	mg/L		5		1	A2320 B	06/25/08 10:34/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 10:34/mb
Bicarbonate as HCO3	190	mg/L		5		1	A2320 B	06/25/08 10:34/mb
Calcium	358	mg/L		0.5		2	E200.7	07/08/08 18:32/eli-c
Chloride	970	mg/L	D	10		100	E300.0	06/20/08 22:59/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	06/19/08 18:59/jmh
Magnesium	124	mg/L		0.5		2	E200.7	07/08/08 18:32/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/19/08 11:58/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/19/08 18:59/jmh
Potassium	8	mg/L		1		2	E200.7	07/08/08 18:32/eli-c
Silica	2.2	mg/L		0.5		2	E200.7	07/08/08 18:32/eli-c
Sodium	856	mg/L	D	2		2	E200.7	07/08/08 18:32/eli-c
Sulfate	1410	mg/L	D	3		50	E300.0	06/19/08 18:42/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5140	umhos/cm		5.0		1	A2510 B	06/19/08 14:39/tb
pH	8.13	s.u.		0.01		1	A4500-H B	06/19/08 11:50/tb
Sodium Adsorption Ratio (SAR)	9.9	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Suspended Sediment SSC @ 105 C	59	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	4000	mg/L		5		1	A2540 C	06/18/08 15:38/mb
Solids, Total Suspended TSS @ 105 C	100	mg/L		5		1	A2540 D	06/18/08 15:05/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/08/08 18:32/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/17/08 16:10/eli-c
Barium	0.1	mg/L		0.1		2	E200.7	07/08/08 18:32/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	07/08/08 18:32/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 16:10/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/08/08 18:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/17/08 16:10/eli-c
Iron	0.03	mg/L		0.03		2	E200.7	07/08/08 18:32/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/17/08 16:10/eli-c
Manganese	0.73	mg/L		0.01		2	E200.7	07/08/08 18:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/17/08 16:10/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 18:32/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-002
Client Sample ID: DewBurd BVC01

Report Date: 08/15/08
Collection Date: 06/17/08 11:05
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	07/08/08 18:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 16:10/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 16:10/eli-c
Uranium	0.0092	mg/L		0.0003		1	E200.8	07/17/08 16:10/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 18:32/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 18:32/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/17/08 22:25/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/17/08 22:25/eli-c
METALS - TOTAL								
Aluminum	4.3	mg/L		0.1		2	E200.7	07/08/08 22:39/eli-c
Arsenic	0.004	mg/L	D	0.002		1	E200.8	07/17/08 07:31/eli-c
Barium	0.1	mg/L		0.1		2	E200.7	07/08/08 22:39/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	07/08/08 22:39/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 07:31/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 22:39/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/18/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	07/30/08 00:00/jmh
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 22:39/eli-c
Iron	3.02	mg/L		0.03		2	E200.7	07/08/08 22:39/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	07/17/08 07:31/eli-c
Manganese	0.97	mg/L		0.01		2	E200.7	07/08/08 22:39/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 22:39/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 22:39/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 21:24/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 07:31/eli-c
Uranium	0.0113	mg/L		0.0003		1	E200.8	07/17/08 07:31/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 22:39/eli-c
Zinc	0.02	mg/L		0.01		2	E200.7	07/08/08 22:39/eli-c
Calcium	362	mg/L		0.5		2	E200.7	07/08/08 22:39/eli-c
Magnesium	130	mg/L		0.5		2	E200.7	07/08/08 22:39/eli-c
Potassium	8.8	mg/L		0.5		2	E200.7	07/08/08 22:39/eli-c
Silica	12.9	mg/L		0.5		2	E200.7	07/08/08 22:39/eli-c
Sodium	902	mg/L	D	1		2	E200.7	07/08/08 22:39/eli-c
METALS - DISSOLVED - SPECIATED								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-002
Client Sample ID: DewBurd BVC01

Report Date: 08/15/08
Collection Date: 06/17/08 11:05
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 14:31/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:31/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 14:51/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:06/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	-0.02	pCi/L	U			1	E903.0	07/19/08 18:40/eli-c
Radium 226 precision (±)	0.06	pCi/L				1	E903.0	07/19/08 18:40/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	07/19/08 18:40/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	07/16/08 20:29/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/16/08 20:29/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.9	pCi/L	U			1	E903.0	07/15/08 14:46/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Radium 226 MDC	1.1	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	07/13/08 18:14/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/13/08 18:14/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	8.9	pCi/L	U			1	E900.0	07/22/08 12:23/eli-c
Gross Alpha precision (±)	10.9	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Alpha MDC	17.1	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Beta	-11.1	pCi/L	U			1	E900.0	07/22/08 12:23/eli-c
Gross Beta precision (±)	11.6	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Beta MDC	19.8	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	06/20/08 16:37/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/20/08 16:37/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	-0.95	pCi/L	U	0.2		1	E903.0	07/28/08 15:32/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/28/08 15:32/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	07/28/08 15:32/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/28/08 15:32/eli-c

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ND - Not detected at the reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-002
Client Sample ID: DewBurd BVC01

Report Date: 08/15/08
Collection Date: 06/17/08 11:05
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/30/08 08:46/eli-b
DATA QUALITY								
A/C Balance (± 5)	4.51	%				1	A1030 E	07/30/08 00:00/jmh
Anions	59.9	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	65.6	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	3830	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	07/30/08 00:00/jmh

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-003
Client Sample ID: DewBurd CHR01

Report Date: 08/15/08
Collection Date: 06/17/08 11:38
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	16	CFU/100ml	D	2		2	A9222 D	06/18/08 10:55/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	272	mg/L		5		1	A2320 B	06/25/08 10:37/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 10:37/mb
Bicarbonate as HCO3	332	mg/L		5		1	A2320 B	06/25/08 10:37/mb
Calcium	161	mg/L		0.5		2	E200.7	07/08/08 18:36/eli-c
Chloride	78	mg/L	D	5		50	E300.0	06/19/08 19:15/jmh
Fluoride	0.7	mg/L		0.1		1	E300.0	06/19/08 19:31/jmh
Magnesium	65.8	mg/L		0.5		2	E200.7	07/08/08 18:36/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/19/08 12:02/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/19/08 19:31/jmh
Potassium	12	mg/L		1		2	E200.7	07/08/08 18:36/eli-c
Silica	6.1	mg/L		0.5		2	E200.7	07/08/08 18:36/eli-c
Sodium	471	mg/L	D	2		2	E200.7	07/08/08 18:36/eli-c
Sulfate	1090	mg/L	D	3		50	E300.0	06/19/08 19:15/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2770	umhos/cm		5.0		1	A2510 B	06/19/08 14:41/tb
pH	8.29	s.u.		0.01		1	A4500-H B	06/19/08 11:52/tb
Sodium Adsorption Ratio (SAR)	7.9	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Suspended Sediment SSC @ 105 C	102	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	06/18/08 15:39/mb
Solids, Total Suspended TSS @ 105 C	110	mg/L		5		1	A2540 D	06/18/08 15:05/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/08/08 18:36/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/17/08 16:17/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 18:36/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/08/08 18:36/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 16:17/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/08/08 18:36/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/17/08 16:17/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/08/08 18:36/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/17/08 16:17/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	07/08/08 18:36/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/17/08 16:17/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 18:36/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-003
Client Sample ID: DewBurd CHR01

Report Date: 08/15/08
Collection Date: 06/17/08 11:38
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	07/08/08 18:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 16:17/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 16:17/eli-c
Uranium	0.0177	mg/L		0.0003		1	E200.8	07/17/08 16:17/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 18:36/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 18:36/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/17/08 22:32/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/17/08 22:32/eli-c
METALS - TOTAL								
Aluminum	5.1	mg/L		0.1		2	E200.7	07/08/08 22:44/eli-c
Arsenic	0.003	mg/L	D	0.002		1	E200.8	07/17/08 07:40/eli-c
Barium	0.1	mg/L		0.1		2	E200.7	07/08/08 22:44/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/08/08 22:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 07:40/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 22:44/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/18/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	07/30/08 00:00/jmh
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 22:44/eli-c
Iron	2.99	mg/L		0.03		2	E200.7	07/08/08 22:44/eli-c
Lead	0.003	mg/L		0.001		1	E200.8	07/17/08 07:40/eli-c
Manganese	0.38	mg/L		0.01		2	E200.7	07/08/08 22:44/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 22:44/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 22:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 07:40/eli-c
Uranium	0.0214	mg/L		0.0003		1	E200.8	07/17/08 07:40/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 22:44/eli-c
Zinc	0.02	mg/L		0.01		2	E200.7	07/08/08 22:44/eli-c
Calcium	175	mg/L		0.5		2	E200.7	07/08/08 22:44/eli-c
Magnesium	70.5	mg/L		0.5		2	E200.7	07/08/08 22:44/eli-c
Potassium	13.2	mg/L		0.5		2	E200.7	07/08/08 22:44/eli-c
Silica	18.1	mg/L		0.5		2	E200.7	07/08/08 22:44/eli-c
Sodium	509	mg/L	D	1		2	E200.7	07/08/08 22:44/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 21:31/eli-c
METALS - DISSOLVED - SPECIATED								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-003
Client Sample ID: DewBurd CHR01

Report Date: 08/15/08
Collection Date: 06/17/08 11:38
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 14:33/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:33/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 14:53/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:08/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.2	pCi/L				1	E903.0	07/19/08 21:41/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/19/08 21:41/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/19/08 21:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/16/08 20:29/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/16/08 20:29/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.9	pCi/L	U			1	E903.0	07/15/08 14:46/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Radium 226 MDC	1.1	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/13/08 18:14/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/13/08 18:14/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	35.3	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Alpha precision (±)	8.5	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Alpha MDC	9.5	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Beta	15.5	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Beta precision (±)	6.2	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Beta MDC	10.0	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	06/20/08 16:37/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/20/08 16:37/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	-0.72	pCi/L	U	0.2		1	E903.0	07/28/08 15:32/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	07/28/08 15:32/eli-c
Thorium 230	0.08	pCi/L	U	0.2		1	E907.0	07/28/08 15:32/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/28/08 15:32/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-003
Client Sample ID: DewBurd CHR01

Report Date: 08/15/08
Collection Date: 06/17/08 11:38
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/30/08 08:49/eli-b
DATA QUALITY								
A/C Balance (± 5)	6.05	%				1	A1030 E	07/30/08 00:00/jmh
Anions	30.3	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	34.2	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	2060	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.07					1	A1030 E	07/30/08 00:00/jmh

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-004
Client Sample ID: DewBurd BVC04

Report Date: 08/15/08
Collection Date: 06/17/08 12:20
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	44	CFU/100ml	D	2		2	A9222 D	06/18/08 10:55/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	148	mg/L		5		1	A2320 B	06/25/08 10:39/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 10:39/mb
Bicarbonate as HCO3	180	mg/L		5		1	A2320 B	06/25/08 10:39/mb
Calcium	300	mg/L		0.5		2	E200.7	07/08/08 18:48/eli-c
Chloride	739	mg/L	D	10		100	E300.0	06/20/08 23:16/jmh
Fluoride	0.7	mg/L		0.1		1	E300.0	06/19/08 20:04/jmh
Magnesium	105	mg/L		0.5		2	E200.7	07/08/08 18:48/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/19/08 12:05/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/19/08 20:04/jmh
Potassium	9	mg/L		1		2	E200.7	07/08/08 18:48/eli-c
Silica	4.1	mg/L		0.5		2	E200.7	07/08/08 18:48/eli-c
Sodium	743	mg/L	D	2		2	E200.7	07/08/08 18:48/eli-c
Sulfate	1090	mg/L	D	7		100	E300.0	06/20/08 23:16/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	514	umhos/cm		5.0		1	A2510 B	06/19/08 14:46/tb
pH	8.14	s.u.		0.01		1	A4500-H B	06/19/08 11:59/tb
Sodium Adsorption Ratio (SAR)	9.4	unitless		0.10		1	Calculation	07/30/08 09:24/ADM
Solids, Suspended Sediment SSC @ 105 C	51	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	3500	mg/L		5		1	A2540 C	06/18/08 15:39/mb
Solids, Total Suspended TSS @ 105 C	55	mg/L		5		1	A2540 D	06/18/08 15:06/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/08/08 18:48/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/17/08 16:24/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 18:48/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	07/08/08 18:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 16:24/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/08/08 18:48/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/17/08 16:24/eli-c
Iron	ND	mg/L		0.03		2	E200.7	07/08/08 18:48/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/17/08 16:24/eli-c
Manganese	0.28	mg/L		0.01		2	E200.7	07/08/08 18:48/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/17/08 16:24/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 18:48/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-004
Client Sample ID: DewBurd BVC04

Report Date: 08/15/08
Collection Date: 06/17/08 12:20
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	07/08/08 18:48/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 16:24/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 16:24/eli-c
Uranium	0.0078	mg/L		0.0003		1	E200.8	07/17/08 16:24/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 18:48/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 18:48/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/17/08 22:38/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/17/08 22:38/eli-c
METALS - TOTAL								
Aluminum	3.2	mg/L		0.1		2	E200.7	07/08/08 22:48/eli-c
Arsenic	0.004	mg/L	D	0.002		1	E200.8	07/17/08 07:46/eli-c
Barium	0.1	mg/L		0.1		2	E200.7	07/08/08 22:48/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	07/08/08 22:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 07:46/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 22:48/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/18/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	07/30/08 00:00/jmh
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 22:48/eli-c
Iron	2.69	mg/L		0.03		2	E200.7	07/08/08 22:48/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	07/17/08 07:46/eli-c
Manganese	0.44	mg/L		0.01		2	E200.7	07/08/08 22:48/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 22:48/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 22:48/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 21:38/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 07:46/eli-c
Uranium	0.0097	mg/L		0.0003		1	E200.8	07/17/08 07:46/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 22:48/eli-c
Zinc	0.02	mg/L		0.01		2	E200.7	07/08/08 22:48/eli-c
Calcium	309	mg/L		0.5		2	E200.7	07/08/08 22:48/eli-c
Magnesium	111	mg/L		0.5		2	E200.7	07/08/08 22:48/eli-c
Potassium	9.7	mg/L		0.5		2	E200.7	07/08/08 22:48/eli-c
Silica	12.9	mg/L		0.5		2	E200.7	07/08/08 22:48/eli-c
Sodium	770	mg/L	D	1		2	E200.7	07/08/08 22:48/eli-c
METALS - DISSOLVED - SPECIATED								

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D - RL increased due to sample matrix interference.

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Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-004
Client Sample ID: DewBurd BVC04

Report Date: 08/15/08
Collection Date: 06/17/08 12:20
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/19/08 14:35/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:35/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 14:55/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:10/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.1	pCi/L	U			1	E903.0	07/20/08 00:41/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/20/08 00:41/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	07/20/08 00:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/17/08 09:01/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/17/08 09:01/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.7	pCi/L	U			1	E903.0	07/15/08 14:46/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Radium 226 MDC	0.9	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	07/13/08 18:14/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/13/08 18:14/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	3.9	pCi/L	U			1	E900.0	07/22/08 12:23/eli-c
Gross Alpha precision (±)	9.1	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Alpha MDC	14.8	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Beta	-12.4	pCi/L	U			1	E900.0	07/22/08 12:23/eli-c
Gross Beta precision (±)	8.8	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Beta MDC	15.1	pCi/L				1	E900.0	07/22/08 12:23/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	06/20/08 16:37/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/20/08 16:37/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	-0.53	pCi/L	U	0.2		1	E903.0	07/28/08 15:32/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	07/28/08 15:32/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	07/28/08 15:32/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/28/08 15:32/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060315-004
Client Sample ID: DewBurd BVC04

Report Date: 08/15/08
Collection Date: 06/17/08 12:20
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/30/08 08:51/eli-b
DATA QUALITY								
A/C Balance (± 5)	9.39	%				1	A1030 E	07/30/08 00:00/jmh
Anions	46.6	meq/L				1	A1030 E	07/30/08 00:00/jmh
Cations	56.2	meq/L				1	A1030 E	07/30/08 00:00/jmh
Solids, Total Dissolved Calculated	3090	mg/L				1	A1030 E	07/30/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.12					1	A1030 E	07/30/08 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.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080625A-ALK-SEL-W	
Sample ID: LCS1_080625A	Laboratory Control Sample				Run: PH_COND1-R_080625A			06/25/08 09:31	
Alkalinity, Total as CaCO3	964	mg/L	5.0	96	90	110			
Sample ID: MBLK1_080625A	Method Blank				Run: PH_COND1-R_080625A			06/25/08 09:34	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08060297-006AMS	Sample Matrix Spike				Run: PH_COND1-R_080625A			06/25/08 10:19	
Alkalinity, Total as CaCO3	176	mg/L	5.0	100	80	120			
Sample ID: R08060297-006AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080625A			06/25/08 10:21	
Alkalinity, Total as CaCO3	174	mg/L	5.0	98	80	120	1.1	10	
Sample ID: R08060319-002DMS	Sample Matrix Spike				Run: PH_COND1-R_080625A			06/25/08 10:59	
Alkalinity, Total as CaCO3	392	mg/L	5.0	98	80	120			
Sample ID: R08060319-002DMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080625A			06/25/08 11:03	
Alkalinity, Total as CaCO3	390	mg/L	5.0	96	80	120	0.5	10	
Method: A2510 B								Batch: 080619_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080619	Laboratory Control Sample				Run: PH_COND2-R_080619B			06/19/08 14:11	
Conductivity @ 25 C	1420	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080619	Laboratory Control Sample				Run: PH_COND2-R_080619B			06/19/08 14:13	
Conductivity @ 25 C	148	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_080619	Laboratory Control Sample				Run: PH_COND2-R_080619B			06/19/08 14:14	
Conductivity @ 25 C	5020	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080619	Method Blank				Run: PH_COND2-R_080619B			06/19/08 14:53	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 080618A-SLDS-TDS-W	
Sample ID: LCS1_080618A	Laboratory Control Sample				Run: BAL-4-R_080618B			06/18/08 15:17	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	106	90	110			
Sample ID: MBLK1_080618A	Method Blank				Run: BAL-4-R_080618B			06/18/08 15:18	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08060315-001CMS	Sample Matrix Spike				Run: BAL-4-R_080618B			06/18/08 15:37	
Solids, Total Dissolved TDS @ 180 C	3000	mg/L	5.0	101	80	120			
Sample ID: R08060315-001CMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080618B			06/18/08 15:37	
Solids, Total Dissolved TDS @ 180 C	3000	mg/L	5.0	111	80	120	0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080618A-SLDS-TSS-W	
Sample ID: LCS1_080618A	Laboratory Control Sample				Run: BAL-4-R_080618A			06/18/08 14:26	
Solids, Total Suspended TSS @ 105 C	170	mg/L	5.0	86	85	115			
Sample ID: MBLK1_080618A	Method Blank				Run: BAL-4-R_080618A			06/18/08 14:27	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Method: A3114 B								Batch: C_SE3114-080719C	
Sample ID: MBLK	Method Blank				Run: SUB-C104484			07/19/08 14:18	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104484			07/19/08 14:20	
Selenium	0.046	mg/L	0.0010	92	90	110			
Sample ID: C08060993-001AMS	Sample Matrix Spike				Run: SUB-C104484			07/19/08 14:24	
Selenium	0.051	mg/L	0.0010	102	85	115			
Sample ID: C08060993-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104484			07/19/08 14:26	
Selenium	0.052	mg/L	0.0010	104	85	115	1.8	10	
Method: A3114 B								Batch: C_SE3114-080722B	
Sample ID: MBLK	Method Blank				Run: SUB-C104619			07/22/08 10:52	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104619			07/22/08 10:55	
Selenium-IV	0.053	mg/L	0.0010	106	90	110			
Sample ID: C08060993-001HMS	Sample Matrix Spike				Run: SUB-C104619			07/22/08 10:59	
Selenium-IV	0.054	mg/L	0.0010	108	85	115			
Sample ID: C08060993-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104619			07/22/08 11:02	
Selenium-IV	0.053	mg/L	0.0010	107	85	115	1.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-080722C	
Sample ID: MBLK	Method Blank				Run: SUB-C104640			07/22/08 14:38	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104640			07/22/08 14:40	
Selenium	0.052	mg/L	0.0010	104	90	110			
Sample ID: C08060993-001HMS	Sample Matrix Spike				Run: SUB-C104640			07/22/08 14:45	
Selenium	0.053	mg/L	0.0010	104	85	115			
Sample ID: C08060993-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104640			07/22/08 14:47	
Selenium	0.052	mg/L	0.0010	102	85	115	1.4	10	
Method: A3500-Cr B								Batch: 080618-CR-HEX-W	
Sample ID: MBLK	Method Blank				Run: SPEC1_080618B			06/18/08 00:00	
Chromium, Hexavalent	0.007	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_080618B			06/18/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	94	80	120			
Sample ID: R08060315-001E	Sample Matrix Spike				Run: SPEC1_080618B			06/18/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	95	80	120			
Sample ID: R08060315-002E	Sample Matrix Spike				Run: SPEC1_080618B			06/18/08 00:00	
Chromium, Hexavalent	0.19	mg/L	0.0050	97	80	120			
Sample ID: R08060315-003E	Sample Matrix Spike				Run: SPEC1_080618B			06/18/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	98	80	120			
Sample ID: R08060315-004E	Sample Matrix Spike				Run: SPEC1_080618B			06/18/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	98	80	120			
Method: A4500-H B								Batch: 080619_2_PH-W	
Sample ID: LCS_pH-1_080619	Laboratory Control Sample				Run: PH_COND2-R_080619A			06/19/08 11:37	
pH	6.91	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-06-19_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080619A			06/19/08 10:10	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080619A			06/19/08 10:12	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080619A			06/19/08 10:22	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	89	90	110			S
Sample ID: R08060315-003FMS	Sample Matrix Spike				Run: TECHAA2-R_080619A			06/19/08 12:03	
Nitrogen, Ammonia as N	0.20	mg/L	0.10	80	80	120			
Sample ID: R08060315-003FMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080619A			06/19/08 12:04	
Nitrogen, Ammonia as N	0.18	mg/L	0.10	72	80	120	10.0	10	S
Method: A9222 D								Batch: 080618-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080618B			06/18/08 10:55	
Bacteria, Fecal Coliform	ND	CFU/100ml							
Sample ID: R08060316-001D	Sample Duplicate				Run: MEMFILT_080618B			06/18/08 10:55	
Bacteria, Fecal Coliform	ND	CFU/100ml	2.0				0.0	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18911
Sample ID: MB-18911	Method Blank				Run: SUB-C103914				07/08/08 22:15
Aluminum	ND	mg/L	0.002						
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	0.0004	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Vanadium	0.02	mg/L	0.005						
Zinc	0.004	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	0.1	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS3-18911	Laboratory Control Sample				Run: SUB-C103914				07/08/08 22:19
Aluminum	2.48	mg/L	0.10	99	85	115			
Barium	0.516	mg/L	0.10	103	85	115			
Boron	0.549	mg/L	0.10	103	85	115			
Chromium	0.516	mg/L	0.050	103	85	115			
Copper	0.517	mg/L	0.010	103	85	115			
Iron	2.70	mg/L	0.030	108	85	115			
Manganese	2.58	mg/L	0.010	103	85	115			
Molybdenum	0.518	mg/L	0.10	104	85	115			
Nickel	0.515	mg/L	0.050	103	85	115			
Vanadium	0.541	mg/L	0.10	103	85	115			
Zinc	0.515	mg/L	0.010	102	85	115			
Calcium	26.6	mg/L	1.0	107	85	115			
Magnesium	27.1	mg/L	1.0	108	85	115			
Potassium	25.6	mg/L	1.0	102	85	115			
Silica	5.55	mg/L	0.10	108	85	115			
Sodium	24.8	mg/L	1.0	99	85	115			
Sample ID: C08060996-001D MS3	Sample Matrix Spike				Run: SUB-C103914				07/08/08 23:08
Aluminum	2.48	mg/L	0.10	99	70	130			
Barium	0.509	mg/L	0.10	100	70	130			
Boron	0.586	mg/L	0.10	102	70	130			
Chromium	0.514	mg/L	0.050	103	70	130			
Copper	0.517	mg/L	0.010	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18911
Sample ID: C08060996-001D MS3	Sample Matrix Spike				Run: SUB-C103914				07/08/08 23:08
Iron	15.9	mg/L	0.030		70	130			A
Manganese	4.23	mg/L	0.010	102	70	130			
Molybdenum	0.506	mg/L	0.10	101	70	130			
Nickel	0.512	mg/L	0.050	102	70	130			
Vanadium	0.522	mg/L	0.10	104	70	130			
Zinc	0.618	mg/L	0.010	102	70	130			
Calcium	389	mg/L	1.0		70	130			A
Magnesium	154	mg/L	1.0		70	130			A
Potassium	41.8	mg/L	1.0	101	70	130			
Silica	10.1	mg/L	0.10	115	70	130			
Sodium	115	mg/L	1.1	113	70	130			
Sample ID: C08060996-001D MSD3	Sample Matrix Spike Duplicate				Run: SUB-C103914				07/08/08 23:12
Aluminum	2.52	mg/L	0.10	101	70	130	1.3	20	
Barium	0.515	mg/L	0.10	101	70	130	1.1	20	
Boron	0.585	mg/L	0.10	102	70	130	0.2	20	
Chromium	0.520	mg/L	0.050	104	70	130	1.2	20	
Copper	0.523	mg/L	0.010	102	70	130	1.3	20	
Iron	16.3	mg/L	0.030		70	130	2.4	20	A
Manganese	4.31	mg/L	0.010	105	70	130	2.0	20	
Molybdenum	0.508	mg/L	0.10	102	70	130	0.4	20	
Nickel	0.510	mg/L	0.050	102	70	130	0.4	20	
Vanadium	0.526	mg/L	0.10	105	70	130	0.7	20	
Zinc	0.624	mg/L	0.010	104	70	130	1.0	20	
Calcium	399	mg/L	1.0		70	130	2.5	20	A
Magnesium	157	mg/L	1.0		70	130	1.8	20	A
Potassium	42.8	mg/L	1.0	105	70	130	2.4	20	
Silica	10.3	mg/L	0.10	119	70	130	2.0	20	
Sodium	117	mg/L	1.1	119	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R103914
Sample ID: MB-080708A	Method Blank				Run: SUB-C103914				07/08/08 13:45
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	0.002	mg/L	0.002						
Iron	0.005	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.010	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080708A	Laboratory Fortified Blank				Run: SUB-C103914				07/08/08 13:49
Silica	0.39	mg/L	0.10	97	85	125			
Aluminum	0.96	mg/L	0.10	96	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.0	mg/L	0.10	101	85	125			
Calcium	51	mg/L	0.50	103	85	125			
Chromium	1.0	mg/L	0.050	102	85	125			
Iron	1.1	mg/L	0.030	108	85	125			
Magnesium	53	mg/L	0.50	105	85	125			
Manganese	1.0	mg/L	0.010	103	85	125			
Molybdenum	1.0	mg/L	0.10	102	85	125			
Nickel	1.0	mg/L	0.050	101	85	125			
Potassium	46	mg/L	0.50	91	85	125			
Sodium	48	mg/L	0.77	95	85	125			
Vanadium	1.1	mg/L	0.10	108	85	125			
Zinc	1.0	mg/L	0.010	100	85	125			
Sample ID: R08060315-003A	Sample Matrix Spike				Run: SUB-C103914				07/08/08 18:40
Aluminum	2.05	mg/L	0.10	103	70	130			
Barium	2.05	mg/L	0.10	98	70	130			
Boron	2.12	mg/L	0.10	98	70	130			
Chromium	2.02	mg/L	0.050	101	70	130			
Iron	2.07	mg/L	0.030	104	70	130			
Manganese	2.02	mg/L	0.010	99	70	130			
Molybdenum	2.00	mg/L	0.10	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R103914	
Sample ID: R08060315-003A	Sample Matrix Spike				Run: SUB-C103914			07/08/08 18:40	
Nickel	1.97	mg/L	0.050	99	70	130			
Vanadium	2.06	mg/L	0.10	100	70	130			
Zinc	2.01	mg/L	0.010	100	70	130			
Calcium	260	mg/L	1.0	99	70	130			
Magnesium	165	mg/L	1.0	99	70	130			
Potassium	104	mg/L	1.0	92	70	130			
Silica	6.43	mg/L	0.10		70	130			A
Sodium	551	mg/L	1.5		70	130			A
Sample ID: R08060315-003A	Sample Matrix Spike Duplicate				Run: SUB-C103914			07/08/08 18:44	
Aluminum	2.13	mg/L	0.10	106	70	130	3.5	20	
Barium	2.08	mg/L	0.10	100	70	130	1.6	20	
Boron	2.21	mg/L	0.10	103	70	130	4.3	20	
Chromium	2.08	mg/L	0.050	104	70	130	3.0	20	
Iron	2.13	mg/L	0.030	106	70	130	2.5	20	
Manganese	2.09	mg/L	0.010	103	70	130	3.3	20	
Molybdenum	2.04	mg/L	0.10	102	70	130	2.0	20	
Nickel	2.05	mg/L	0.050	102	70	130	3.8	20	
Vanadium	2.09	mg/L	0.10	101	70	130	1.4	20	
Zinc	2.08	mg/L	0.010	104	70	130	3.6	20	
Calcium	258	mg/L	1.0	97	70	130	0.6	20	
Magnesium	163	mg/L	1.0	97	70	130	1.4	20	
Potassium	102	mg/L	1.0	90	70	130	1.6	20	
Silica	6.47	mg/L	0.10		70	130	0.7	20	A
Sodium	558	mg/L	1.5		70	130	1.3	20	A
Sample ID: C08070109-003CMS2	Sample Matrix Spike				Run: SUB-C103914			07/08/08 21:02	
Aluminum	4.97	mg/L	0.10	99	70	130			
Barium	4.88	mg/L	0.10	93	70	130			
Boron	5.39	mg/L	0.10	94	70	130			
Chromium	4.90	mg/L	0.050	98	70	130			
Iron	4.95	mg/L	0.030	99	70	130			
Manganese	4.71	mg/L	0.010	94	70	130			
Molybdenum	5.12	mg/L	0.10	101	70	130			
Nickel	4.79	mg/L	0.050	96	70	130			
Vanadium	4.99	mg/L	0.10	99	70	130			
Zinc	5.03	mg/L	0.011	96	70	130			
Calcium	727	mg/L	1.0	98	70	130			
Magnesium	364	mg/L	1.0	97	70	130			
Potassium	290	mg/L	1.0	85	70	130			
Silica	100	mg/L	0.10		70	130			A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R103914	
Sample ID: C08070109-003CMS2	Sample Matrix Spike				Run: SUB-C103914			07/08/08 21:02	
Sodium	828	mg/L	3.9	93	70	130			
Sample ID: C08070109-003CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C103914			07/08/08 21:06	
Aluminum	5.03	mg/L	0.10	100	70	130	1.2	20	
Barium	5.05	mg/L	0.10	96	70	130	3.5	20	
Boron	5.53	mg/L	0.10	97	70	130	2.5	20	
Chromium	4.99	mg/L	0.050	99	70	130	1.9	20	
Iron	5.06	mg/L	0.030	101	70	130	2.1	20	
Manganese	4.87	mg/L	0.010	97	70	130	3.4	20	
Molybdenum	5.11	mg/L	0.10	101	70	130	0.1	20	
Nickel	4.88	mg/L	0.050	98	70	130	1.7	20	
Vanadium	5.06	mg/L	0.10	100	70	130	1.4	20	
Zinc	5.16	mg/L	0.011	98	70	130	2.6	20	
Calcium	729	mg/L	1.0	99	70	130	0.4	20	
Magnesium	364	mg/L	1.0	97	70	130	0.1	20	
Potassium	299	mg/L	1.0	89	70	130	3.1	20	
Silica	99.6	mg/L	0.10		70	130	0.6	20	A
Sodium	824	mg/L	3.9	91	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18911
Sample ID: MB-18911	Method Blank				Run: SUB-C104345				07/17/08 06:17
Arsenic	0.001	mg/L	5E-05						
Cadmium	ND	mg/L	3E-05						
Lead	ND	mg/L	5E-05						
Mercury	ND	mg/L	6E-06						
Silver	9E-05	mg/L	5E-05						
Thorium 232	0.0003	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18911	Laboratory Control Sample				Run: SUB-C104345				07/17/08 06:24
Arsenic	0.523	mg/L	0.0010	104	85	115			
Cadmium	0.251	mg/L	0.010	101	85	115			
Lead	0.499	mg/L	0.050	100	85	115			
Silver	0.0426	mg/L	0.010	85	85	115			
Thorium 232	0.518	mg/L	0.0010	104	85	115			
Uranium	0.521	mg/L	0.00032	104	85	115			
Sample ID: C08060996-001DMS3	Sample Matrix Spike				Run: SUB-C104345				07/17/08 08:20
Arsenic	5.26	mg/L	0.0010	105	70	130			
Cadmium	2.45	mg/L	0.010	98	70	130			
Lead	5.26	mg/L	0.050	105	70	130			
Silver	0.439	mg/L	0.010	88	70	130			
Thorium 232	6.11	mg/L	0.0010	122	70	130			
Uranium	6.14	mg/L	0.00032	123	70	130			
Sample ID: C08060996-001DMSD3	Sample Matrix Spike Duplicate				Run: SUB-C104345				07/17/08 08:25
Arsenic	5.12	mg/L	0.0010	102	70	130	2.8	20	
Cadmium	2.44	mg/L	0.010	98	70	130	0.2	20	
Lead	5.37	mg/L	0.050	107	70	130	2.1	20	
Silver	0.442	mg/L	0.010	88	70	130	0.6	20	
Thorium 232	6.22	mg/L	0.0010	124	70	130	1.8	20	
Uranium	6.31	mg/L	0.00032	126	70	130	2.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R104438
Sample ID: LRB	Method Blank				Run: SUB-C104438				07/17/08 11:20
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	4E-05	mg/L	3E-05						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C104438				07/17/08 11:26
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Cadmium	0.0515	mg/L	0.0010	103	85	115			
Copper	0.0517	mg/L	0.0010	103	85	115			
Lead	0.0515	mg/L	0.0010	103	85	115			
Mercury	0.00546	mg/L	0.0010	109	85	115			
Silver	0.0201	mg/L	0.0010	100	85	115			
Thorium 232	0.0506	mg/L	0.0010	101	85	115			
Uranium	0.0509	mg/L	0.00030	102	85	115			
Sample ID: R08060315-004A	Post Digestion Spike				Run: SUB-C104438				07/17/08 16:47
Arsenic	0.0487	mg/L	0.0010	95	70	130			
Cadmium	0.0441	mg/L	0.010	88	70	130			
Copper	0.0468	mg/L	0.010	86	70	130			
Lead	0.0482	mg/L	0.050	96	70	130			
Mercury	0.00512	mg/L	0.0010	102	70	130			
Silver	0.0147	mg/L	0.010	74	70	130			
Thorium 232	0.0507	mg/L	0.0010	101	70	130			
Uranium	0.0584	mg/L	0.00030	101	70	130			
Sample ID: R08060315-004A	Post Digestion Spike Duplicate				Run: SUB-C104438				07/17/08 16:54
Arsenic	0.0505	mg/L	0.0010	99	70	130	3.5	20	
Cadmium	0.0441	mg/L	0.010	88	70	130	0.1	20	
Copper	0.0485	mg/L	0.010	90	70	130	3.7	20	
Lead	0.0484	mg/L	0.050	97	70	130	0.0	20	
Mercury	0.00516	mg/L	0.0010	103	70	130	0.8	20	
Silver	0.0148	mg/L	0.010	74	70	130	0.7	20	
Thorium 232	0.0514	mg/L	0.0010	103	70	130	1.3	20	
Uranium	0.0586	mg/L	0.00030	102	70	130	0.4	20	
Sample ID: C08061333-001CMS4	Post Digestion Spike				Run: SUB-C104438				07/17/08 20:17
Arsenic	0.0486	mg/L	0.0010	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R104438	
Sample ID: C08061333-001CMS4	Post Digestion Spike				Run: SUB-C104438			07/17/08 20:17	
Cadmium	0.0455	mg/L	0.010	91	70	130			
Copper	0.0450	mg/L	0.010	90	70	130			
Lead	0.0481	mg/L	0.050	95	70	130			
Mercury	0.00500	mg/L	0.0010	100	70	130			
Silver	0.0110	mg/L	0.010	55	70	130			S
Thorium 232	0.0492	mg/L	0.0010	98	70	130			
Uranium	0.0537	mg/L	0.00030	97	70	130			
Sample ID: C08061333-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C104438			07/17/08 20:24	
Arsenic	0.0482	mg/L	0.0010	95	70	130	0.9	20	
Cadmium	0.0459	mg/L	0.010	92	70	130	0.9	20	
Copper	0.0453	mg/L	0.010	90	70	130	0.7	20	
Lead	0.0479	mg/L	0.050	95	70	130	0.0	20	
Mercury	0.00503	mg/L	0.0010	101	70	130	0.6	20	
Silver	0.0128	mg/L	0.010	64	70	130	16	20	S
Thorium 232	0.0491	mg/L	0.0010	97	70	130	0.1	20	
Uranium	0.0536	mg/L	0.00030	97	70	130	0.2	20	
Method: E245.1								Batch: C_B_33204	
Sample ID: MB-33204	Method Blank				Run: SUB-C103539			06/30/08 07:09	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33204	Laboratory Fortified Blank				Run: SUB-C103539			06/30/08 07:12	
Mercury	0.0017	mg/L	0.0010	86	85	115			
Sample ID: B08062269-001DMS	Sample Matrix Spike				Run: SUB-C103539			06/30/08 08:31	
Mercury	0.0021	mg/L	0.0010	103	70	130			
Sample ID: B08062269-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C103539			06/30/08 08:33	
Mercury	0.0020	mg/L	0.0010	99	70	130	4.0	30	
Method: E245.1								Analytical Run: SUB-C103539	
Sample ID: QCS	Initial Calibration Verification Standard							06/30/08 06:57	
Mercury	0.0019	mg/L	0.0010	97	90	110			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35577
Sample ID: LFB0806190922-3	Laboratory Fortified Blank				Run: DIONEX_080619A				06/19/08 17:04
Chloride	4.62	mg/L	0.50	92	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: LFB0806190922-4	Laboratory Fortified Blank				Run: DIONEX_080619A				06/19/08 17:20
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	1.85	mg/L	0.10	93	90	110			
Nitrogen, Nitrate as N	2.34	mg/L	0.10	94	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R08060315-001CMS	Sample Matrix Spike				Run: DIONEX_080619A				06/19/08 17:53
Chloride	570	mg/L	5.4	93	80	120			
Fluoride	93.9	mg/L	0.56	86	80	120			
Nitrogen, Nitrate as N	118	mg/L	1.3	94	80	120			
Sulfate	1820	mg/L	3.4	85	80	120			
Sample ID: R08060315-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080619A				06/19/08 18:09
Chloride	564	mg/L	5.4	91	80	120	1.1	10	
Fluoride	90.5	mg/L	0.56	82	80	120	3.7	10	
Nitrogen, Nitrate as N	113	mg/L	1.3	91	80	120	3.6	10	
Sulfate	1810	mg/L	3.4	84	80	120	0.6	10	
Sample ID: R08060316-001CMS	Sample Matrix Spike				Run: DIONEX_080619A				06/19/08 21:10
Chloride	237	mg/L	5.4	86	80	120			
Fluoride	92.5	mg/L	0.56	83	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120			
Sulfate	910	mg/L	3.4	82	80	120			
Sample ID: R08060316-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080619A				06/19/08 21:26
Chloride	234	mg/L	5.4	85	80	120	1.3	10	
Fluoride	89.7	mg/L	0.56	81	80	120	3.1	10	
Nitrogen, Nitrate as N	112	mg/L	1.3	90	80	120	3.3	10	
Sulfate	891	mg/L	3.4	80	80	120	2.1	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35594
Sample ID: LFB0806204637-3	Laboratory Fortified Blank				Run: DIONEX_080620A				06/20/08 16:58
Chloride	4.82	mg/L	0.50	96	90	110			
Sulfate	14.2	mg/L	1.0	94	90	110			
Sample ID: LFB0806204637-4	Laboratory Fortified Blank				Run: DIONEX_080620A				06/20/08 17:15
Chloride	4.65	mg/L	0.50	93	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: R08060318-001DMS	Sample Matrix Spike				Run: DIONEX_080620A				06/21/08 00:21
Chloride	30.0	mg/L	0.54	87	80	120			
Sulfate	179	mg/L	1.0	76	80	120			S
Sample ID: R08060318-001DMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080620A				06/21/08 00:38
Chloride	29.5	mg/L	0.54	85	80	120	1.7	10	
Sulfate	179	mg/L	1.0	75	80	120	0.5	10	S
Method: E900.0									Batch: C_GrAB-0482
Sample ID: MB-GrAB-0482	Method Blank				Run: SUB-C104710				07/22/08 12:23
Gross Alpha	-0.2	pCi/L							U
Gross Beta	-4	pCi/L							U
Sample ID: UNAT-GrAB-0482	Laboratory Control Sample				Run: SUB-C104710				07/22/08 12:23
Gross Alpha	160	pCi/L		114	70	130			
Sample ID: Cs137-GrAB-0482	Laboratory Control Sample				Run: SUB-C104710				07/22/08 12:23
Gross Beta	96	pCi/L		106	70	130			
Sample ID: C08061193-001AMS	Sample Matrix Spike				Run: SUB-C104710				07/23/08 00:55
Gross Alpha	94	pCi/L		68	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08061193-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104710				07/23/08 00:55
Gross Alpha	82	pCi/L		60	70	130	13	19	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08061193-001AMS	Sample Matrix Spike				Run: SUB-C104710				07/23/08 00:55
Gross Beta	91	pCi/L		97	70	130			
Sample ID: C08061193-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104710				07/23/08 00:55
Gross Beta	90	pCi/L		96	70	130	0.8	16.4	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R103216
Sample ID: LCS-R103216	Laboratory Control Sample				Run: SUB-C103216				06/20/08 16:37
Cesium 137	457000	pCi/Filter	20	106	70	130			
Cobalt 60	325000	pCi/Filter	20	102	0	0			S
Sample ID: MB-R103216	Method Blank				Run: SUB-C103216				06/20/08 16:37
Gross Gamma		pCi/Filter	20						U
Sample ID: R08060315-004I	Sample Duplicate				Run: SUB-C103216				06/20/08 16:37
Gross Gamma	ND	pCi/L	20				0.0	30	
Method: E903.0									Batch: C_18917
Sample ID: R08060315-004K	Sample Matrix Spike				Run: SUB-C104309				07/15/08 14:46
Radium 226	160	pCi/L		100	70	130			
Sample ID: R08060315-004K	Sample Matrix Spike Duplicate				Run: SUB-C104309				07/15/08 14:46
Radium 226	170	pCi/L		110	70	130	9.7	24.6	
Sample ID: LCS-18917	Laboratory Control Sample				Run: SUB-C104309				07/15/08 14:46
Radium 226	16	pCi/L		112	70	130			
Sample ID: MB-18917	Method Blank				Run: SUB-C104309				07/15/08 16:22
Radium 226	-2	pCi/L							U
Method: E903.0									Batch: C_RA226-2924
Sample ID: C08061135-002FMS	Sample Matrix Spike				Run: SUB-C104742				07/20/08 06:42
Radium 226	12	pCi/L		74	70	130			
Sample ID: C08061135-002FMSD	Sample Matrix Spike Duplicate				Run: SUB-C104742				07/20/08 08:12
Radium 226	11	pCi/L		71	70	130	3.8	26.6	
Sample ID: MB-RA226-2924	Method Blank				Run: SUB-C104742				07/20/08 23:14
Radium 226	0.009	pCi/L							U
Sample ID: LCS-RA226-2924	Laboratory Control Sample				Run: SUB-C104742				07/21/08 00:45
Radium 226	8.1	pCi/L		103	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/15/08
Work Order: R08060315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_18917
Sample ID: C08060996-001IMS	Sample Matrix Spike				Run: SUB-C104217				07/13/08 18:14
Thorium 230	19.7	pCi/L	0.20	85	70	130			
Sample ID: C08060996-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C104217				07/13/08 18:14
Thorium 230	21.7	pCi/L	0.20	96	70	130	9.5	30	
Sample ID: LCS-18917	Laboratory Control Sample				Run: SUB-C104217				07/13/08 18:14
Thorium 230	51.9	pCi/L	0.20	108	70	130			
Sample ID: MB-18917	Method Blank				Run: SUB-C104217				07/13/08 18:14
Thorium 230	0.7	pCi/L							
Method: E907.0									Batch: C_RA-TH-ISO-0565
Sample ID: LCS-RA-TH-ISO-0565	Laboratory Control Sample				Run: SUB-C104883				07/17/08 08:51
Thorium 230	5.53	pCi/L	0.20	90	70	130			
Sample ID: C08060993-001JMS	Sample Matrix Spike				Run: SUB-C104883				07/17/08 08:59
Thorium 230	14.2	pCi/L	0.20	87	70	130			
Sample ID: C08060993-001JMSD	Sample Matrix Spike Duplicate				Run: SUB-C104883				07/17/08 08:59
Thorium 230	14.4	pCi/L	0.20	88	70	130	1.7	30	
Sample ID: MB-RA-TH-ISO-0565	Method Blank				Run: SUB-C104883				07/17/08 09:02
Thorium 230	0.01	pCi/L							U

Qualifiers:

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

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Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc. Powertech Dewey Burdock	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address:	Contact Name: Phone/Fax: cory.foreman@respec.com	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

☐ DW
☐ GSA
☐ POTW/WWTP
☐ State: ________
☐ Other: ________

☐ A2LA
☐ EDD/EDT(Electronic Data)
Format: ________
☐ LEVEL IV
☐ NELAC

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

ANALYSIS REQUESTED: As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: SW stream

Shipped by:
Cooler ID(s):
Receipt Temp 4.4 °C
On Ice: [✓ Yes] No
Custody Seal Y N
Intact Y N
Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Comments	LABORATORY USE ONLY
1 DewBurd CHR05	6/17/08	10:20	W	set 15	R08060315-001
2 DewBurd BVC01	6/17/08	11:05	W	set 19	002
3 DewBurd CHR01	6/17/08	11:38	W	set 31	003
4 DewBurd BVC04	6/17/08	12:20	W	set 5	004
5					
6					
7					
8					
9					
10					

Custody Record MUST be Signed

Relinquished by (print): Eric Krantz	Date/Time: 6/18/08 0630	Signature:	Received by (print): Matt Stoltenberg	Date/Time: 6-18-08 0630	Signature: Matt Stoltenberg
Relinquished by (print): Matt Stoltenberg	Date/Time: 6/18/08 8:50	Signature: Matt Stoltenberg	Received by (print): Steve Froiland	Date/Time: 6-18-08 8:50	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: ________ Lab Disposal: ________

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

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ANALYTICAL SUMMARY REPORT

August 20, 2008

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

Workorder No.: R08060316 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 6/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08060316-001	DewBurd SUB04	06/17/08 14:00	06/18/08	Aqueous	Metals by ICP/ICPMS, Dissolved
					Metals by ICP/ICPMS, Suspended
					Metals by ICP/ICPMS, Total
					Alkalinity
					Anion - Cation Balance
					Bacteria, Fecal Coliform
					Conductivity
					Chromium, Hexavalent
					Chromium, Trivalent
					Mercury, Total
					Selenium, Dissolved
					Selenium, Total
					Selenium, Dissolved
					Selenium, Total
					Selenium, Dissolved
					Selenium-VI, Total
					Anions by Ion Chromatography
					Nitrogen, Ammonia
					pH
					Metals Digestion by EPA 200.2
					Digestion, Total Metals
					Digestion, Total Metals
					Digestion, As/Se by Hydride
					Dissolved Filtration
					Digestion, Mercury by CVAA
					Gross Alpha, Gross Beta
					Gross Gamma
					Lead 210, Dissolved
					Lead 210, Suspended
					Lead 210, Total
					Polonium 210, Dissolved
					Polonium 210, Suspended
					Polonium 210, Total
					Radium 226, Dissolved
					Radium 226, Suspended
					Radium 226, Total
					Thorium, Isotopic
					Thorium, Suspended Isotopic
					Thorium, Isotopic
					Sodium Adsorption Ratio
					Suspended Sediment Concentration
					Solids, Total Dissolved
					Solids, Total Suspended

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

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

Report Approved By: _____
Linda Larson
Rapid City - Project Manager

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Date: *20-Aug-08*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08060316

CASE NARRATIVE

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

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

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

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

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

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

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08060993
ANALYTICAL COMMENTS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.
End of comments imported for SUBBED Workorder: C08060993

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060316-001
Client Sample ID: DewBurd SUB04

Report Date: 08/20/08
Collection Date: 06/17/08 14:00
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	06/18/08 10:55/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	06/25/08 10:42/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 10:42/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	06/25/08 10:42/mb
Calcium	64.8	mg/L		0.5		1	E200.7	07/07/08 17:57/eli-c
Chloride	2	mg/L		1		1	E300.0	06/19/08 21:43/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/19/08 21:43/jmh
Magnesium	27.3	mg/L		0.5		1	E200.7	07/07/08 17:57/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/19/08 12:06/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/19/08 21:43/jmh
Potassium	14	mg/L		1		1	E200.7	07/07/08 17:57/eli-c
Silica	3.7	mg/L		0.5		1	E200.7	07/07/08 17:57/eli-c
Sodium	2.9	mg/L	D	0.8		1	E200.7	07/07/08 17:57/eli-c
Sulfate	291	mg/L	D	3		50	E300.0	06/19/08 20:54/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	692	umhos/cm		5.0		1	A2510 B	06/19/08 14:49/tb
pH	4.89	s.u.		0.01		1	A4500-H B	06/19/08 12:06/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	08/20/08 11:24/ADM
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	450	mg/L		5		1	A2540 C	06/18/08 15:40/mb
Solids, Total Suspended TSS @ 105 C	ND	mg/L		5		1	A2540 D	06/18/08 15:06/mb
METALS - DISSOLVED								
Aluminum	0.4	mg/L		0.1		1	E200.7	07/07/08 17:57/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/17/08 15:57/eli-c
Barium	ND	mg/L		0.1		1	E200.7	07/07/08 17:57/eli-c
Boron	ND	mg/L		0.1		1	E200.7	07/07/08 17:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/17/08 15:57/eli-c
Chromium	ND	mg/L		0.01		1	E200.7	07/07/08 17:57/eli-c
Copper	ND	mg/L		0.01		1	E200.7	07/07/08 17:57/eli-c
Iron	ND	mg/L		0.03		1	E200.7	07/07/08 17:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/17/08 15:57/eli-c
Manganese	5.20	mg/L		0.01		1	E200.7	07/07/08 17:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/17/08 15:57/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	07/07/08 17:57/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060316-001
Client Sample ID: DewBurd SUB04

Report Date: 08/20/08
Collection Date: 06/17/08 14:00
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	0.09	mg/L		0.01		1	E200.7	07/07/08 17:57/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 15:57/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/17/08 15:57/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	07/17/08 15:57/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	07/07/08 17:57/eli-c
Zinc	0.07	mg/L		0.01		1	E200.7	07/07/08 17:57/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/17/08 22:12/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/17/08 22:12/eli-c
METALS - TOTAL								
Aluminum	0.5	mg/L		0.1		2	E200.7	07/08/08 22:31/eli-c
Arsenic	ND	mg/L	D	0.002		10	E200.8	07/17/08 06:58/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 22:31/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 22:31/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/17/08 06:58/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 22:31/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/18/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	08/20/08 00:00/lkl
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 22:31/eli-c
Iron	0.18	mg/L		0.03		2	E200.7	07/08/08 22:31/eli-c
Lead	ND	mg/L		0.001		10	E200.8	07/17/08 06:58/eli-c
Manganese	5.18	mg/L		0.01		2	E200.7	07/08/08 22:31/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 22:31/eli-c
Nickel	0.10	mg/L		0.05		2	E200.7	07/08/08 22:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/17/08 21:11/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	07/17/08 06:58/eli-c
Uranium	0.0007	mg/L		0.0003		10	E200.8	07/17/08 06:58/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 22:31/eli-c
Zinc	0.06	mg/L		0.01		2	E200.7	07/08/08 22:31/eli-c
Calcium	61.7	mg/L		0.5		2	E200.7	07/08/08 22:31/eli-c
Magnesium	26.8	mg/L		0.5		2	E200.7	07/08/08 22:31/eli-c
Potassium	14.7	mg/L		0.5		2	E200.7	07/08/08 22:31/eli-c
Silica	3.9	mg/L		0.5		2	E200.7	07/08/08 22:31/eli-c
Sodium	3	mg/L	D	1		2	E200.7	07/08/08 22:31/eli-c
METALS - DISSOLVED - SPECIATED								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060316-001
Client Sample ID: DewBurd SUB04

Report Date: 08/20/08
Collection Date: 06/17/08 14:00
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 14:22/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:23/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	07/22/08 14:42/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 10:57/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	-2.1	pCi/L	U			1	E909.0M	07/18/08 08:20/eli-c
Lead 210 MDC	8.4	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	07/09/08 18:40/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	07/09/08 18:40/eli-c
Radium 226	3.1	pCi/L				1	E903.0	07/16/08 07:03/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	07/16/08 07:03/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	07/16/08 07:03/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/16/08 20:29/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/16/08 20:29/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	6.7	pCi/L	U			1	E909.0M	07/14/08 09:30/eli-c
Lead 210 precision (±)	11.9	pCi/L				1	E909.0M	07/14/08 09:30/eli-c
Lead 210 MDC	19.8	pCi/L				1	E909.0M	07/14/08 09:30/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.37	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 14:46/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/15/08 14:46/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	07/13/08 18:14/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/13/08 18:14/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	3.0	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Alpha precision (±)	1.3	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Alpha MDC	1.8	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Beta	13.0	pCi/L				1	E900.0	07/21/08 22:49/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060316-001
Client Sample ID: DewBurd SUB04

Report Date: 08/20/08
Collection Date: 06/17/08 14:00
Date Received: 06/18/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Beta precision (±)	1.8	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Beta MDC	2.7	pCi/L				1	E900.0	07/21/08 22:49/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	06/20/08 16:37/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/20/08 16:37/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	-3	pCi/L	U			1	E909.0M	07/18/08 08:20/eli-c
Lead 210 precision (±)	5	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	08/19/08 13:45/eli-c
Polonium 210 precision (±)	0.6	pCi/L				1	RMO-3008	08/19/08 13:45/eli-c
Radium 226	2.7	pCi/L				1	E903.0	08/19/08 13:45/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	08/19/08 13:45/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	08/19/08 13:45/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/19/08 13:45/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	06/30/08 09:02/eli-b
DATA QUALITY								
A/C Balance (± 5)	2.01	%				1	A1030 E	08/20/08 00:00/lkl
Anions	6.13	meq/L				1	A1030 E	08/20/08 00:00/lkl
Cations	6.39	meq/L				1	A1030 E	08/20/08 00:00/lkl
Solids, Total Dissolved Calculated	412	mg/L				1	A1030 E	08/20/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.08					1	A1030 E	08/20/08 00:00/lkl

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080625A-ALK-SEL-W	
Sample ID: LCS1_080625A	Laboratory Control Sample				Run: PH_COND1-R_080625A			06/25/08 09:31	
Alkalinity, Total as CaCO3	964	mg/L	5.0	96	90	110			
Sample ID: MBLK1_080625A	Method Blank				Run: PH_COND1-R_080625A			06/25/08 09:34	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08060319-002DMS	Sample Matrix Spike				Run: PH_COND1-R_080625A			06/25/08 10:59	
Alkalinity, Total as CaCO3	392	mg/L	5.0	98	80	120			
Sample ID: R08060319-002DMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080625A			06/25/08 11:03	
Alkalinity, Total as CaCO3	390	mg/L	5.0	96	80	120	0.5	10	
Method: A2510 B								Batch: 080619_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080619	Laboratory Control Sample				Run: PH_COND2-R_080619B			06/19/08 14:11	
Conductivity @ 25 C	1420	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080619	Laboratory Control Sample				Run: PH_COND2-R_080619B			06/19/08 14:13	
Conductivity @ 25 C	148	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_080619	Laboratory Control Sample				Run: PH_COND2-R_080619B			06/19/08 14:14	
Conductivity @ 25 C	5020	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080619	Method Blank				Run: PH_COND2-R_080619B			06/19/08 14:53	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 080618A-SLDS-TDS-W	
Sample ID: LCS1_080618A	Laboratory Control Sample				Run: BAL-4-R_080618B			06/18/08 15:17	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	106	90	110			
Sample ID: MBLK1_080618A	Method Blank				Run: BAL-4-R_080618B			06/18/08 15:18	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08060315-001CMS	Sample Matrix Spike				Run: BAL-4-R_080618B			06/18/08 15:37	
Solids, Total Dissolved TDS @ 180 C	3000	mg/L	5.0	101	80	120			
Sample ID: R08060315-001CMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080618B			06/18/08 15:37	
Solids, Total Dissolved TDS @ 180 C	3000	mg/L	5.0	111	80	120	0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080618A-SLDS-TSS-W	
Sample ID: LCS1_080618A	Laboratory Control Sample				Run: BAL-4-R_080618A			06/18/08 14:26	
Solids, Total Suspended TSS @ 105 C	170	mg/L	5.0	86	85	115			
Sample ID: MBLK1_080618A	Method Blank				Run: BAL-4-R_080618A			06/18/08 14:27	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Method: A3114 B								Batch: C_SE3114-080719A	
Sample ID: MBLK	Method Blank				Run: SUB-C104480			07/19/08 11:18	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104480			07/19/08 11:21	
Selenium-IV	0.046	mg/L	0.0010	92	90	110			
Sample ID: C08060993-001AMS	Sample Matrix Spike				Run: SUB-C104480			07/19/08 11:25	
Selenium-IV	0.050	mg/L	0.0010	100	85	115			
Sample ID: C08060993-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104480			07/19/08 11:27	
Selenium-IV	0.051	mg/L	0.0010	102	85	115	1.6	10	
Method: A3114 B								Batch: C_SE3114-080719C	
Sample ID: MBLK	Method Blank				Run: SUB-C104484			07/19/08 14:18	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104484			07/19/08 14:20	
Selenium	0.046	mg/L	0.0010	92	90	110			
Sample ID: C08060993-001AMS	Sample Matrix Spike				Run: SUB-C104484			07/19/08 14:24	
Selenium	0.051	mg/L	0.0010	102	85	115			
Sample ID: C08060993-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104484			07/19/08 14:26	
Selenium	0.052	mg/L	0.0010	104	85	115	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-080722B	
Sample ID: MBLK	Method Blank				Run: SUB-C104619				07/22/08 10:52
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104619				07/22/08 10:55
Selenium-IV	0.053	mg/L	0.0010	106	90	110			
Sample ID: R08060316-001H	Sample Matrix Spike				Run: SUB-C104619				07/22/08 10:59
Selenium-IV	0.054	mg/L	0.0010	108	85	115			
Sample ID: R08060316-001H	Sample Matrix Spike Duplicate				Run: SUB-C104619				07/22/08 11:02
Selenium-IV	0.053	mg/L	0.0010	107	85	115	1.2	10	
Method: A3114 B								Batch: C_SE3114-080722C	
Sample ID: MBLK	Method Blank				Run: SUB-C104640				07/22/08 14:38
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104640				07/22/08 14:40
Selenium	0.052	mg/L	0.0010	104	90	110			
Sample ID: R08060316-001H	Sample Matrix Spike				Run: SUB-C104640				07/22/08 14:45
Selenium	0.053	mg/L	0.0010	104	85	115			
Sample ID: R08060316-001H	Sample Matrix Spike Duplicate				Run: SUB-C104640				07/22/08 14:47
Selenium	0.052	mg/L	0.0010	102	85	115	1.4	10	
Method: A3500-Cr B								Batch: 080618-CR-HEX-W	
Sample ID: MBLK	Method Blank				Run: SPEC1_080618B				06/18/08 00:00
Chromium, Hexavalent	0.007	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_080618B				06/18/08 00:00
Chromium, Hexavalent	0.19	mg/L	0.0050	94	80	120			
Sample ID: R08060315-004E	Sample Matrix Spike				Run: SPEC1_080618B				06/18/08 00:00
Chromium, Hexavalent	0.20	mg/L	0.0050	98	80	120			
Sample ID: R08060316-001E	Sample Matrix Spike				Run: SPEC1_080618B				06/18/08 00:00
Chromium, Hexavalent	0.19	mg/L	0.0050	95	80	120			
Method: A4500-H B								Batch: 080619_2_PH-W	
Sample ID: LCS_pH-1_080619	Laboratory Control Sample				Run: PH_COND2-R_080619A				06/19/08 11:37
pH	6.91	s.u.	0.010	101	98.55	101.45			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-06-19_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080619A			06/19/08 10:10	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080619A			06/19/08 10:12	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080619A			06/19/08 10:22	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	89	90	110			S
Sample ID: R08060315-003FMS	Sample Matrix Spike				Run: TECHAA2-R_080619A			06/19/08 12:03	
Nitrogen, Ammonia as N	0.20	mg/L	0.10	80	80	120			
Sample ID: R08060315-003FMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080619A			06/19/08 12:04	
Nitrogen, Ammonia as N	0.18	mg/L	0.10	72	80	120	10.0	10	S
Method: A9222 D								Batch: 080618-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080618B			06/18/08 10:55	
Bacteria, Fecal Coliform	ND	CFU/100ml							
Sample ID: R08060316-001D	Sample Duplicate				Run: MEMFILT_080618B			06/18/08 10:55	
Bacteria, Fecal Coliform	ND	CFU/100ml	2.0				0.0	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18911
Sample ID: MB-18911	Method Blank				Run: SUB-C103914				07/08/08 22:15
Aluminum	ND	mg/L	0.002						
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	0.0004	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Vanadium	0.02	mg/L	0.005						
Zinc	0.004	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	0.1	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS3-18911	Laboratory Control Sample				Run: SUB-C103914				07/08/08 22:19
Aluminum	2.48	mg/L	0.10	99	85	115			
Barium	0.516	mg/L	0.10	103	85	115			
Boron	0.549	mg/L	0.10	103	85	115			
Chromium	0.516	mg/L	0.050	103	85	115			
Copper	0.517	mg/L	0.010	103	85	115			
Iron	2.70	mg/L	0.030	108	85	115			
Manganese	2.58	mg/L	0.010	103	85	115			
Molybdenum	0.518	mg/L	0.10	104	85	115			
Nickel	0.515	mg/L	0.050	103	85	115			
Vanadium	0.541	mg/L	0.10	103	85	115			
Zinc	0.515	mg/L	0.010	102	85	115			
Calcium	26.6	mg/L	1.0	107	85	115			
Magnesium	27.1	mg/L	1.0	108	85	115			
Potassium	25.6	mg/L	1.0	102	85	115			
Silica	5.55	mg/L	0.10	108	85	115			
Sodium	24.8	mg/L	1.0	99	85	115			
Sample ID: R08060335-001D	Sample Matrix Spike				Run: SUB-C103914				07/08/08 23:08
Aluminum	2.48	mg/L	0.10	99	70	130			
Barium	0.509	mg/L	0.10	100	70	130			
Boron	0.586	mg/L	0.10	102	70	130			
Chromium	0.514	mg/L	0.050	103	70	130			
Copper	0.517	mg/L	0.010	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_18911	
Sample ID: R08060335-001D	Sample Matrix Spike				Run: SUB-C103914			07/08/08 23:08	
Iron	15.9	mg/L	0.030		70	130			A
Manganese	4.23	mg/L	0.010	102	70	130			
Molybdenum	0.506	mg/L	0.10	101	70	130			
Nickel	0.512	mg/L	0.050	102	70	130			
Vanadium	0.522	mg/L	0.10	104	70	130			
Zinc	0.618	mg/L	0.010	102	70	130			
Calcium	389	mg/L	1.0		70	130			A
Magnesium	154	mg/L	1.0		70	130			A
Potassium	41.8	mg/L	1.0	101	70	130			
Silica	10.1	mg/L	0.10	115	70	130			
Sodium	115	mg/L	1.1	113	70	130			
Sample ID: R08060335-001D	Sample Matrix Spike Duplicate				Run: SUB-C103914			07/08/08 23:12	
Aluminum	2.52	mg/L	0.10	101	70	130	1.3	20	
Barium	0.515	mg/L	0.10	101	70	130	1.1	20	
Boron	0.585	mg/L	0.10	102	70	130	0.2	20	
Chromium	0.520	mg/L	0.050	104	70	130	1.2	20	
Copper	0.523	mg/L	0.010	102	70	130	1.3	20	
Iron	16.3	mg/L	0.030		70	130	2.4	20	A
Manganese	4.31	mg/L	0.010	105	70	130	2.0	20	
Molybdenum	0.508	mg/L	0.10	102	70	130	0.4	20	
Nickel	0.510	mg/L	0.050	102	70	130	0.4	20	
Vanadium	0.526	mg/L	0.10	105	70	130	0.7	20	
Zinc	0.624	mg/L	0.010	104	70	130	1.0	20	
Calcium	399	mg/L	1.0		70	130	2.5	20	A
Magnesium	157	mg/L	1.0		70	130	1.8	20	A
Potassium	42.8	mg/L	1.0	105	70	130	2.4	20	
Silica	10.3	mg/L	0.10	119	70	130	2.0	20	
Sodium	117	mg/L	1.1	119	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R103815
Sample ID: MB-080707A	Method Blank				Run: SUB-C103815				07/07/08 13:14
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.01	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Copper	ND	mg/L	0.005						
Iron	0.009	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Zinc	0.002	mg/L	0.002						
Sample ID: LFB-080707A	Laboratory Fortified Blank				Run: SUB-C103815				07/07/08 13:18
Silica	0.39	mg/L	0.10	98	85	125			
Aluminum	0.97	mg/L	0.10	97	85	125			
Barium	1.1	mg/L	0.10	106	85	125			
Boron	1.1	mg/L	0.10	105	85	125			
Calcium	55	mg/L	0.50	110	85	125			
Chromium	1.1	mg/L	0.050	107	85	125			
Copper	1.1	mg/L	0.010	106	85	125			
Iron	1.1	mg/L	0.030	111	85	125			
Magnesium	54	mg/L	0.50	109	85	125			
Manganese	1.1	mg/L	0.010	105	85	125			
Molybdenum	1.0	mg/L	0.10	105	85	125			
Nickel	1.1	mg/L	0.050	106	85	125			
Potassium	48	mg/L	0.50	95	85	125			
Sodium	52	mg/L	0.77	104	85	125			
Vanadium	1.1	mg/L	0.10	106	85	125			
Zinc	1.1	mg/L	0.010	106	85	125			
Sample ID: C08061394-001CMS2	Sample Matrix Spike				Run: SUB-C103815				07/07/08 18:14
Aluminum	2.11	mg/L	0.10	106	70	130			
Barium	2.05	mg/L	0.10	102	70	130			
Boron	2.15	mg/L	0.10	106	70	130			
Chromium	2.14	mg/L	0.050	106	70	130			
Copper	2.13	mg/L	0.010	107	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R103815	
Sample ID: C08061394-001CMS2	Sample Matrix Spike				Run: SUB-C103815			07/07/08 18:14	
Iron	3.75	mg/L	0.030	107	70	130			
Manganese	4.53	mg/L	0.010	99	70	130			
Molybdenum	2.10	mg/L	0.10	105	70	130			
Nickel	2.11	mg/L	0.050	105	70	130			
Vanadium	2.22	mg/L	0.10	108	70	130			
Zinc	2.16	mg/L	0.010	107	70	130			
Calcium	483	mg/L	1.0	90	70	130			
Magnesium	247	mg/L	1.0	106	70	130			
Potassium	108	mg/L	1.0	92	70	130			
Silica	5.99	mg/L	0.10		70	130			A
Sodium	191	mg/L	1.5	102	70	130			
Sample ID: C08061394-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C103815			07/07/08 18:18	
Aluminum	2.23	mg/L	0.10	111	70	130	5.4	20	
Barium	2.05	mg/L	0.10	102	70	130	0.1	20	
Boron	2.18	mg/L	0.10	107	70	130	1.4	20	
Chromium	2.12	mg/L	0.050	106	70	130	0.8	20	
Copper	2.12	mg/L	0.010	106	70	130	0.7	20	
Iron	3.72	mg/L	0.030	106	70	130	0.8	20	
Manganese	4.58	mg/L	0.010	101	70	130	0.9	20	
Molybdenum	2.10	mg/L	0.10	105	70	130	0.0	20	
Nickel	2.11	mg/L	0.050	106	70	130	0.1	20	
Vanadium	2.14	mg/L	0.10	104	70	130	3.7	20	
Zinc	2.15	mg/L	0.010	107	70	130	0.4	20	
Calcium	497	mg/L	1.0	104	70	130	2.7	20	
Magnesium	249	mg/L	1.0	108	70	130	0.7	20	
Potassium	108	mg/L	1.0	92	70	130	0.2	20	
Silica	6.06	mg/L	0.10		70	130	1.2	20	A
Sodium	194	mg/L	1.5	105	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18911
Sample ID: MB-18911	Method Blank				Run: SUB-C104345				07/17/08 06:17
Arsenic	0.001	mg/L	5E-05						
Cadmium	ND	mg/L	3E-05						
Lead	ND	mg/L	5E-05						
Silver	9E-05	mg/L	5E-05						
Thorium 232	0.0003	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18911	Laboratory Control Sample				Run: SUB-C104345				07/17/08 06:24
Arsenic	0.523	mg/L	0.0010	104	85	115			
Cadmium	0.251	mg/L	0.010	101	85	115			
Lead	0.499	mg/L	0.050	100	85	115			
Silver	0.0426	mg/L	0.010	85	85	115			
Thorium 232	0.518	mg/L	0.0010	104	85	115			
Uranium	0.521	mg/L	0.00032	104	85	115			
Sample ID: R08060335-001D	Sample Matrix Spike				Run: SUB-C104345				07/17/08 08:20
Arsenic	5.26	mg/L	0.0010	105	70	130			
Cadmium	2.45	mg/L	0.010	98	70	130			
Lead	5.26	mg/L	0.050	105	70	130			
Silver	0.439	mg/L	0.010	88	70	130			
Thorium 232	6.11	mg/L	0.0010	122	70	130			
Uranium	6.14	mg/L	0.00032	123	70	130			
Sample ID: R08060335-001D	Sample Matrix Spike Duplicate				Run: SUB-C104345				07/17/08 08:25
Arsenic	5.12	mg/L	0.0010	102	70	130	2.8	20	
Cadmium	2.44	mg/L	0.010	98	70	130	0.2	20	
Lead	5.37	mg/L	0.050	107	70	130	2.1	20	
Silver	0.442	mg/L	0.010	88	70	130	0.6	20	
Thorium 232	6.22	mg/L	0.0010	124	70	130	1.8	20	
Uranium	6.31	mg/L	0.00032	126	70	130	2.7	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R104438
Sample ID: LRB	Method Blank				Run: SUB-C104438				07/17/08 11:20
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	4E-05	mg/L	3E-05						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C104438				07/17/08 11:26
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Cadmium	0.0515	mg/L	0.0010	103	85	115			
Lead	0.0515	mg/L	0.0010	103	85	115			
Mercury	0.00546	mg/L	0.0010	109	85	115			
Silver	0.0201	mg/L	0.0010	100	85	115			
Thorium 232	0.0506	mg/L	0.0010	101	85	115			
Uranium	0.0509	mg/L	0.00030	102	85	115			
Sample ID: C08060995-004AMS4	Post Digestion Spike				Run: SUB-C104438				07/17/08 16:47
Arsenic	0.0487	mg/L	0.0010	95	70	130			
Cadmium	0.0441	mg/L	0.010	88	70	130			
Lead	0.0482	mg/L	0.050	96	70	130			
Mercury	0.00512	mg/L	0.0010	102	70	130			
Silver	0.0147	mg/L	0.010	74	70	130			
Thorium 232	0.0507	mg/L	0.0010	101	70	130			
Uranium	0.0584	mg/L	0.00030	101	70	130			
Sample ID: C08060995-004AMSD4	Post Digestion Spike Duplicate				Run: SUB-C104438				07/17/08 16:54
Arsenic	0.0505	mg/L	0.0010	99	70	130	3.5	20	
Cadmium	0.0441	mg/L	0.010	88	70	130	0.1	20	
Lead	0.0484	mg/L	0.050	97	70	130	0.0	20	
Mercury	0.00516	mg/L	0.0010	103	70	130	0.8	20	
Silver	0.0148	mg/L	0.010	74	70	130	0.7	20	
Thorium 232	0.0514	mg/L	0.0010	103	70	130	1.3	20	
Uranium	0.0586	mg/L	0.00030	102	70	130	0.4	20	
Sample ID: C08061333-001CMS4	Post Digestion Spike				Run: SUB-C104438				07/17/08 20:17
Arsenic	0.0486	mg/L	0.0010	96	70	130			
Cadmium	0.0455	mg/L	0.010	91	70	130			
Lead	0.0481	mg/L	0.050	95	70	130			
Mercury	0.00500	mg/L	0.0010	100	70	130			
Silver	0.0110	mg/L	0.010	55	70	130			S

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R104438	
Sample ID: C08061333-001CMS4	Post Digestion Spike				Run: SUB-C104438			07/17/08 20:17	
Thorium 232	0.0492	mg/L	0.0010	98	70	130			
Uranium	0.0537	mg/L	0.00030	97	70	130			
Sample ID: C08061333-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C104438			07/17/08 20:24	
Arsenic	0.0482	mg/L	0.0010	95	70	130	0.9	20	
Cadmium	0.0459	mg/L	0.010	92	70	130	0.9	20	
Lead	0.0479	mg/L	0.050	95	70	130	0.0	20	
Mercury	0.00503	mg/L	0.0010	101	70	130	0.6	20	
Silver	0.0128	mg/L	0.010	64	70	130	16	20	S
Thorium 232	0.0491	mg/L	0.0010	97	70	130	0.1	20	
Uranium	0.0536	mg/L	0.00030	97	70	130	0.2	20	
Method: E245.1								Batch: C_B_33204	
Sample ID: MB-33204	Method Blank				Run: SUB-C103539			06/30/08 07:09	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33204	Laboratory Fortified Blank				Run: SUB-C103539			06/30/08 07:12	
Mercury	0.0017	mg/L	0.0010	86	85	115			
Sample ID: B08062269-001DMS	Sample Matrix Spike				Run: SUB-C103539			06/30/08 08:31	
Mercury	0.0021	mg/L	0.0010	103	70	130			
Sample ID: B08062269-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C103539			06/30/08 08:33	
Mercury	0.0020	mg/L	0.0010	99	70	130	4.0	30	
Method: E245.1								Analytical Run: SUB-C103539	
Sample ID: QCS	Initial Calibration Verification Standard							06/30/08 06:57	
Mercury	0.0019	mg/L	0.0010	97	90	110			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35577
Sample ID: LFB0806190922-3	Laboratory Fortified Blank				Run: DIONEX_080619A				06/19/08 17:04
Chloride	4.62	mg/L	0.50	92	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: LFB0806190922-4	Laboratory Fortified Blank				Run: DIONEX_080619A				06/19/08 17:20
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	1.85	mg/L	0.10	93	90	110			
Nitrogen, Nitrate as N	2.34	mg/L	0.10	94	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R08060316-001CMS	Sample Matrix Spike				Run: DIONEX_080619A				06/19/08 21:10
Chloride	237	mg/L	5.4	86	80	120			
Fluoride	92.5	mg/L	0.56	83	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120			
Sulfate	910	mg/L	3.4	82	80	120			
Sample ID: R08060316-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080619A				06/19/08 21:26
Chloride	234	mg/L	5.4	85	80	120	1.3	10	
Fluoride	89.7	mg/L	0.56	81	80	120	3.1	10	
Nitrogen, Nitrate as N	112	mg/L	1.3	90	80	120	3.3	10	
Sulfate	891	mg/L	3.4	80	80	120	2.1	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0481	
Sample ID: MB-GrAB-0481	Method Blank				Run: SUB-C104629			07/21/08 10:42	
Gross Alpha	-1	pCi/L							U
Gross Beta	-6	pCi/L							U
Sample ID: UNAT-GrAB-0481	Laboratory Control Sample				Run: SUB-C104629			07/21/08 10:42	
Gross Alpha	140	pCi/L		103	70	130			
Sample ID: Cs137-GrAB-0481	Laboratory Control Sample				Run: SUB-C104629			07/21/08 10:42	
Gross Beta	90	pCi/L		103	70	130			
Sample ID: C08070009-010DMS	Sample Matrix Spike				Run: SUB-C104629			07/21/08 10:42	
Gross Alpha	145	pCi/L		105	70	130			
Sample ID: C08070009-010DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104629			07/21/08 10:42	
Gross Alpha	127	pCi/L		92	70	130	13	18.1	
Sample ID: C08070009-010DMS	Sample Matrix Spike				Run: SUB-C104629			07/21/08 10:42	
Gross Beta	88.7	pCi/L		87	70	130			
Sample ID: C08070009-010DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104629			07/21/08 10:42	
Gross Beta	98.5	pCi/L		97	70	130	11	16.1	
Method: E901.1								Batch: C_R103216	
Sample ID: LCS-R103216	Laboratory Control Sample				Run: SUB-C103216			06/20/08 16:37	
Cesium 137	457000	pCi/Filter	20	106	70	130			
Cobalt 60	325000	pCi/Filter	20	102	70	130			
Sample ID: MB-R103216	Method Blank				Run: SUB-C103216			06/20/08 16:37	
Gross Gamma		pCi/Filter	20						U
Sample ID: C08060794-001ADUP	Sample Duplicate				Run: SUB-C103216			06/20/08 16:37	
Gross Gamma		pCi/Filter	20				0.0	30	U

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18917
Sample ID: C08060995-004KMS	Sample Matrix Spike				Run: SUB-C104309				07/15/08 14:46
Radium 226	160	pCi/L		100	70	130			
Sample ID: C08060995-004KMSD	Sample Matrix Spike Duplicate				Run: SUB-C104309				07/15/08 14:46
Radium 226	170	pCi/L		110	70	130	9.7	24.6	
Sample ID: LCS-18917	Laboratory Control Sample				Run: SUB-C104309				07/15/08 14:46
Radium 226	16	pCi/L		112	70	130			
Sample ID: MB-18917	Method Blank				Run: SUB-C104309				07/15/08 16:22
Radium 226	-2	pCi/L							U
Method: E903.0									Batch: C_RA226-2918
Sample ID: MB-RA226-2918	Method Blank				Run: SUB-C104311				07/16/08 07:03
Radium 226	0.1	pCi/L							
Sample ID: C08060981-001AMS	Sample Matrix Spike				Run: SUB-C104311				07/16/08 07:03
Radium 226	19	pCi/L		109	70	130			
Sample ID: C08060981-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104311				07/16/08 07:03
Radium 226	19	pCi/L		108	70	130	0.6	21	
Sample ID: LCS-RA226-2918	Laboratory Control Sample				Run: SUB-C104311				07/16/08 08:37
Radium 226	8.2	pCi/L		102	70	130			
Method: E907.0									Batch: C_18917
Sample ID: R08060335-001I	Sample Matrix Spike				Run: SUB-C104217				07/13/08 18:14
Thorium 230	19.7	pCi/L	0.20	85	70	130			
Sample ID: R08060335-001I	Sample Matrix Spike Duplicate				Run: SUB-C104217				07/13/08 18:14
Thorium 230	21.7	pCi/L	0.20	96	70	130	9.5	30	
Sample ID: LCS-18917	Laboratory Control Sample				Run: SUB-C104217				07/13/08 18:14
Thorium 230	51.9	pCi/L	0.20	108	70	130			
Sample ID: MB-18917	Method Blank				Run: SUB-C104217				07/13/08 18:14
Thorium 230	0.7	pCi/L							

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0								Batch: C_RA-TH-ISO-0565	
Sample ID: LCS-RA-TH-ISO-0565	Laboratory Control Sample				Run: SUB-C104883			07/17/08 08:51	
Thorium 230	5.53	pCi/L	0.20	90	70	130			
Sample ID: R08060316-001J	Sample Matrix Spike				Run: SUB-C104883			07/17/08 08:59	
Thorium 230	14.2	pCi/L	0.20	87	70	130			
Sample ID: R08060316-001J	Sample Matrix Spike Duplicate				Run: SUB-C104883			07/17/08 08:59	
Thorium 230	14.4	pCi/L	0.20	88	70	130	1.7	30	
Sample ID: MB-RA-TH-ISO-0565	Method Blank				Run: SUB-C104883			07/17/08 09:02	
Thorium 230	0.01	pCi/L							U
Method: E909.0M								Batch: C_18917	
Sample ID: C08060943-002FMS	Sample Matrix Spike				Run: SUB-C105224			07/14/08 09:30	
Lead 210	1300	pCi/L		111	70	130			
Sample ID: C08060943-002FMSD	Sample Matrix Spike Duplicate				Run: SUB-C105224			07/14/08 09:30	
Lead 210	830	pCi/L		71	70	130	44	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R105224	Method Blank				Run: SUB-C105224			07/14/08 09:30	
Lead 210	5	pCi/L							U
Sample ID: LCS-R105224	Laboratory Control Sample				Run: SUB-C105224			07/14/08 09:30	
Lead 210	120	pCi/L		95	70	130			
Method: E909.0M								Batch: C_R105675	
Sample ID: C08070067-003AMS	Sample Matrix Spike				Run: SUB-C105675			07/18/08 08:20	
Lead 210	640	pCi/L		110	70	130			
Sample ID: C08070067-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105675			07/18/08 08:20	
Lead 210	540	pCi/L		92	70	130	18	30	
Sample ID: MB-R105675	Method Blank				Run: SUB-C105675			07/18/08 08:20	
Lead 210	-2	pCi/L							U
Sample ID: LCS-R105675	Laboratory Control Sample				Run: SUB-C105675			07/18/08 08:20	
Lead 210	110	pCi/L		94	70	130			

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/20/08
Work Order: R08060316

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_18917
Sample ID: C08060943-001FMS	Sample Matrix Spike				Run: SUB-C106132				08/18/08 17:00
Polonium 210	29	pCi/L	1.0	128	70	130			
Sample ID: C08060943-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C106132				08/18/08 17:00
Polonium 210	22	pCi/L	1.0	99	70	130	25	30	
Sample ID: MB-R106132	Method Blank				Run: SUB-C106132				08/18/08 17:00
Polonium 210	-0.09	pCi/L							U
Sample ID: LCS-R106132	Laboratory Control Sample				Run: SUB-C106132				08/18/08 17:00
Polonium 210	84	pCi/L	1.0	97	70	130			
Method: RMO-3008									Batch: C_R104442
Sample ID: C08061021-004EMS	Sample Matrix Spike				Run: SUB-C104442				07/09/08 18:40
Polonium 210	65	pCi/L	1.0	73	70	130			
Sample ID: C08061021-004EMSD	Sample Matrix Spike Duplicate				Run: SUB-C104442				07/09/08 18:40
Polonium 210	75	pCi/L	1.0	85	70	130	14	30	
Sample ID: LCS-R104442	Laboratory Control Sample				Run: SUB-C104442				07/09/08 18:40
Polonium 210	44	pCi/L	1.0	103	70	130			
Sample ID: MB-R104442	Method Blank				Run: SUB-C104442				07/09/08 18:40
Polonium 210	-0.3	pCi/L							U

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page _____ of _____

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc: Powertech Dewey Burdock	Sample Origin State: SD	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address:	Contact Name: Cory-foreman@respec.com Phone/Fax:	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

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

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	As per Quote	+ Pb-210	+ Po-210							SEE ATTACHED	Normal Turnaround (TAT)	RUSH	Comments
1	Dew Burd Sub 04	6/17/08	14:00	W													Set 12
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

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

Comments: All SW sub-in-pondwater

Shipped by:

Cooler ID(s):

Receipt Temp 4.4 °C

On Ice: (Yes) No

Custody Seal Y N

Intact Y N

Signature Match Y N

LABORATORY USE ONLY: P0806031 6-001

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	6/18/08 0:18		Matt Stollenberg	6-18-08 0630	
Matt Stollenberg	6/19/08 08:50		Steve Troiland	6-18-08 8:50	
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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

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ANALYTICAL SUMMARY REPORT

August 21, 2008

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

Workorder No.: R08060347 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 6/19/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08060347-001	DewBurd SUB01	06/18/08 12:00	06/19/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08060347-002	DewBurd SUB02	06/18/08 13:05	06/19/08	Aqueous	Same As Above
R08060347-003	DewBurd SUB02	06/18/08 13:10	06/19/08	Aqueous	Same As Above

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R08060347-004 DewBurd SUB03	06/18/08 14:15 06/19/08	Aqueous	Same As Above	

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

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

Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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Date: *21-Aug-08*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08060347

CASE NARRATIVE

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

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

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

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

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

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

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08061205
ANALYTICAL COMMENTS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.
End of comments imported for SUBBED Workorder: C08061205

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-001
Client Sample ID: DewBurd SUB01

Report Date: 08/21/08
Collection Date: 06/18/08 12:00
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	20	CFU/100ml	D	20		20	A9222 D	06/19/08 11:58/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	84	mg/L		5		1	A2320 B	06/25/08 11:12/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 11:12/mb
Bicarbonate as HCO3	102	mg/L		5		1	A2320 B	06/25/08 11:12/mb
Calcium	21.1	mg/L		0.5		2	E200.7	07/10/08 16:27/eli-c
Chloride	5	mg/L		1		5	E300.0	06/20/08 01:33/jmh
Fluoride	0.6	mg/L		0.1		5	E300.0	06/20/08 01:33/jmh
Magnesium	4.4	mg/L		0.5		2	E200.7	07/10/08 16:27/eli-c
Nitrogen, Ammonia as N	1.2	mg/L		0.1		2	A4500-NH3 G	06/19/08 12:44/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		5	E300.0	06/20/08 01:33/jmh
Potassium	8	mg/L		1		2	E200.7	07/10/08 16:27/eli-c
Silica	7.9	mg/L		0.5		2	E200.7	07/10/08 16:27/eli-c
Sodium	20	mg/L	D	2		2	E200.7	07/10/08 16:27/eli-c
Sulfate	33	mg/L		1		5	E300.0	06/20/08 01:33/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	250	umhos/cm		5.0		1	A2510 B	06/23/08 10:48/tb
pH	7.07	s.u.		0.01		1	A4500-H B	06/19/08 12:19/tb
Sodium Adsorption Ratio (SAR)	1.0	unitless		0.10		1	Calculation	08/20/08 15:29/ADM
Solids, Suspended Sediment SSC @ 105 C	393	mg/L		5		1	D3977	06/30/08 15:47/mb
Solids, Total Dissolved TDS @ 180 C	990	mg/L		5		1	A2540 C	06/20/08 08:27/mb
Solids, Total Suspended TSS @ 105 C	280	mg/L		5		1	A2540 D	06/19/08 15:38/mb
TDS result confirmed. Very fine suspended sediment.								
METALS - DISSOLVED								
Aluminum	0.3	mg/L		0.1		2	E200.7	07/10/08 16:27/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	07/23/08 12:47/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/10/08 16:27/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	07/10/08 16:27/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/23/08 12:47/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/10/08 16:27/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/23/08 12:47/eli-c
Iron	0.31	mg/L		0.03		2	E200.7	07/10/08 16:27/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 12:47/eli-c
Manganese	0.24	mg/L		0.01		2	E200.7	07/10/08 16:27/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 12:47/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/10/08 16:27/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-001
Client Sample ID: DewBurd SUB01

Report Date: 08/21/08
Collection Date: 06/18/08 12:00
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	07/10/08 16:27/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/23/08 12:47/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 12:47/eli-c
Uranium	0.0003	mg/L		0.0003		1	E200.8	07/23/08 12:47/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/23/08 12:47/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/10/08 16:27/eli-c
METALS - SUSPENDED								
Thorium 232	0.004	mg/L		0.001		1	E200.8	07/28/08 21:58/eli-c
Uranium	0.0007	mg/L		0.0003		1	E200.8	07/28/08 21:58/eli-c
METALS - TOTAL								
Aluminum	52.8	mg/L		0.1		2	E200.7	07/07/08 22:41/eli-c
Arsenic	0.014	mg/L		0.001		1	E200.8	07/18/08 13:19/eli-c
Barium	0.2	mg/L		0.1		2	E200.7	07/07/08 22:41/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/07/08 22:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/18/08 13:19/eli-c
Chromium	0.06	mg/L		0.05		2	E200.7	07/07/08 22:41/eli-c
Chromium, Hexavalent	ND	mg/L	D	0.05		10	A3500-Cr B	06/19/08 00:00/mb
Chromium, Trivalent	0.06	mg/L		0.01		1	Calculation	08/20/08 00:00/lkl
Copper	0.03	mg/L		0.01		2	E200.7	07/07/08 22:41/eli-c
Iron	44.1	mg/L		0.03		2	E200.7	07/07/08 22:41/eli-c
Lead	0.026	mg/L		0.001		1	E200.8	07/18/08 13:19/eli-c
Manganese	0.77	mg/L		0.01		2	E200.7	07/07/08 22:41/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 22:41/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 22:41/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/18/08 13:19/eli-c
Thorium 232	0.012	mg/L		0.005		1	E200.8	07/18/08 13:19/eli-c
Uranium	0.0020	mg/L		0.0003		1	E200.8	07/18/08 13:19/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/07/08 22:41/eli-c
Zinc	0.13	mg/L		0.01		2	E200.7	07/07/08 22:41/eli-c
Calcium	30.2	mg/L		0.5		2	E200.7	07/07/08 22:41/eli-c
Magnesium	15.1	mg/L		0.5		2	E200.7	07/07/08 22:41/eli-c
Potassium	20.9	mg/L		0.5		2	E200.7	07/07/08 22:41/eli-c
Silica	88.1	mg/L		0.5		2	E200.7	07/07/08 22:41/eli-c
Sodium	21	mg/L	D	1		2	E200.7	07/07/08 22:41/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 14:43/eli-c

Report Definitions:
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D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-001
Client Sample ID: DewBurd SUB01

Report Date: 08/21/08
Collection Date: 06/18/08 12:00
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:44/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 14:57/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:15/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	0.7	pCi/L	U			1	E909.0M	07/18/08 08:20/eli-c
Lead 210 MDC	8.4	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	07/09/08 18:40/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/09/08 18:40/eli-c
Radium 226	0.5	pCi/L				1	E903.0	07/21/08 20:20/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/21/08 20:20/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/21/08 20:20/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/18/08 20:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/18/08 20:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.1	pCi/L	U			1	E909.0M	07/15/08 07:15/eli-c
Lead 210 precision (±)	8.6	pCi/L				1	E909.0M	07/15/08 07:15/eli-c
Lead 210 MDC	14.6	pCi/L				1	E909.0M	07/15/08 07:15/eli-c
Polonium 210	1.3	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	-0.2	pCi/L	U			1	E903.0	07/16/08 13:32/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/16/08 13:32/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/16/08 13:32/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	07/10/08 13:48/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/10/08 13:48/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	16.2	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha precision (±)	2.0	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Alpha MDC	1.7	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta	20.2	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta precision (±)	2.0	pCi/L				1	E900.0	07/26/08 03:40/eli-c
Gross Beta MDC	2.7	pCi/L				1	E900.0	07/26/08 03:40/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-001
Client Sample ID: DewBurd SUB01

Report Date: 08/21/08
Collection Date: 06/18/08 12:00
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	06/26/08 18:46/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/26/08 18:46/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	-1.4	pCi/L	U			1	E909.0M	08/20/08 12:33/eli-c
Lead 210 precision (±)	10	pCi/L				1	E909.0M	08/20/08 12:33/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	08/20/08 12:33/eli-c
Polonium 210 precision (±)	0.88	pCi/L				1	RMO-3008	08/20/08 12:33/eli-c
Radium 226	0.3	pCi/L	U			1	E903.0	08/20/08 12:33/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/20/08 12:33/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	08/20/08 12:33/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	08/20/08 12:33/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	07/02/08 09:55/eli-b
DATA QUALITY								
A/C Balance (± 5)	1.86	%				1	A1030 E	08/20/08 00:00/lkl
Anions	2.54	meq/L				1	A1030 E	08/20/08 00:00/lkl
Cations	2.63	meq/L				1	A1030 E	08/20/08 00:00/lkl
Solids, Total Dissolved Calculated	164	mg/L				1	A1030 E	08/20/08 00:00/lkl
TDS Balance (0.80 - 1.20)	6.05					1	A1030 E	08/20/08 00:00/lkl

Report Definitions:
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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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-002
Client Sample ID: DewBurd SUB02

Report Date: 08/21/08
Collection Date: 06/18/08 13:05
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	06/19/08 11:58/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	96	mg/L		5		1	A2320 B	06/25/08 11:15/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 11:15/mb
Bicarbonate as HCO3	117	mg/L		5		1	A2320 B	06/25/08 11:15/mb
Calcium	609	mg/L		0.5		2	E200.7	07/10/08 16:43/eli-c
Chloride	19	mg/L		1		5	E300.0	06/21/08 01:27/jmh
Fluoride	0.9	mg/L		0.1		1	E300.0	06/20/08 02:05/jmh
Magnesium	204	mg/L		0.5		2	E200.7	07/10/08 16:43/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/19/08 12:26/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/20/08 02:05/jmh
Potassium	20	mg/L		1		2	E200.7	07/10/08 16:43/eli-c
Silica	ND	mg/L		0.5		2	E200.7	07/10/08 16:43/eli-c
Sodium	172	mg/L	D	2		2	E200.7	07/10/08 16:43/eli-c
Sulfate	2310	mg/L	D	3		50	E300.0	06/20/08 01:49/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3540	umhos/cm		5.0		1	A2510 B	06/23/08 10:50/tb
pH	8.08	s.u.		0.01		1	A4500-H B	06/23/08 10:16/tb
Sodium Adsorption Ratio (SAR)	1.5	unitless		0.10		1	Calculation	08/20/08 15:29/ADM
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	3800	mg/L		5		1	A2540 C	06/20/08 08:28/mb
Solids, Total Suspended TSS @ 105 C	7	mg/L		5		1	A2540 D	06/19/08 15:38/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	07/23/08 12:54/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/23/08 12:54/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/10/08 16:43/eli-c
Boron	0.5	mg/L		0.1		2	E200.7	07/10/08 16:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/25/08 13:03/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/10/08 16:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/23/08 12:54/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	07/10/08 16:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 12:54/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	07/10/08 16:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 12:54/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/10/08 16:43/eli-c
Nickel	ND	mg/L		0.01		2	E200.7	07/10/08 16:43/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-002
Client Sample ID: DewBurd SUB02

Report Date: 08/21/08
Collection Date: 06/18/08 13:05
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 13:03/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 12:54/eli-c
Uranium	0.175	mg/L		0.0003		1	E200.8	07/23/08 12:54/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/23/08 12:54/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/10/08 16:43/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/28/08 22:14/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/28/08 22:14/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 22:50/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/18/08 13:26/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 22:50/eli-c
Boron	0.5	mg/L		0.1		2	E200.7	07/07/08 22:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/18/08 13:26/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 22:50/eli-c
Chromium, Hexavalent	0.005	mg/L		0.005		1	A3500-Cr B	06/19/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	08/20/08 00:00/lkl
Copper	ND	mg/L		0.01		2	E200.7	07/07/08 22:50/eli-c
Iron	0.18	mg/L		0.03		2	E200.7	07/07/08 22:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/18/08 13:26/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	07/07/08 22:50/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 22:50/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 22:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/18/08 13:26/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/18/08 13:26/eli-c
Uranium	0.190	mg/L		0.0003		1	E200.8	07/18/08 13:26/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/07/08 22:50/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 22:50/eli-c
Calcium	602	mg/L		0.5		2	E200.7	07/07/08 22:50/eli-c
Magnesium	204	mg/L		0.5		2	E200.7	07/07/08 22:50/eli-c
Potassium	21.1	mg/L		0.5		2	E200.7	07/07/08 22:50/eli-c
Silica	ND	mg/L		0.5		2	E200.7	07/07/08 22:50/eli-c
Sodium	180	mg/L	D	1		2	E200.7	07/07/08 22:50/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 14:45/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:46/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-002
Client Sample ID: DewBurd SUB02

Report Date: 08/21/08
Collection Date: 06/18/08 13:05
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.003	mg/L		0.001		1	A3114 B	07/22/08 15:04/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:22/eli-c
Selenium-VI	0.003	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	-1.0	pCi/L	U			1	E909.0M	07/18/08 08:20/eli-c
Lead 210 MDC	8.4	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/09/08 18:40/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/09/08 18:40/eli-c
Radium 226	0.7	pCi/L				1	E903.0	07/21/08 23:21/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/21/08 23:21/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	07/21/08 23:21/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	07/18/08 20:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/18/08 20:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.5	pCi/L	U			1	E909.0M	07/15/08 07:15/eli-c
Lead 210 precision (±)	8.7	pCi/L				1	E909.0M	07/15/08 07:15/eli-c
Lead 210 MDC	14.6	pCi/L				1	E909.0M	07/15/08 07:15/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.4	pCi/L	U			1	E903.0	07/16/08 13:32/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/16/08 13:32/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/16/08 13:32/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	07/09/08 19:58/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/09/08 19:58/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	199	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha precision (±)	18.4	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha MDC	12.8	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta	80.1	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta precision (±)	12.2	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta MDC	17.9	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	06/26/08 18:46/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-002
Client Sample ID: DewBurd SUB02

Report Date: 08/21/08
Collection Date: 06/18/08 13:05
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/26/08 18:46/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	0.5	pCi/L	U			1	E909.0M	08/20/08 12:33/eli-c
Lead 210 precision (±)	10	pCi/L				1	E909.0M	08/20/08 12:33/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	08/20/08 12:33/eli-c
Polonium 210 precision (±)	0.49	pCi/L				1	RMO-3008	08/20/08 12:33/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	08/20/08 12:33/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/20/08 12:33/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	08/20/08 12:33/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/20/08 12:33/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	07/02/08 09:57/eli-b
DATA QUALITY								
A/C Balance (± 5)	4.36	%				1	A1030 E	08/20/08 00:00/lkl
Anions	50.6	meq/L				1	A1030 E	08/20/08 00:00/lkl
Cations	55.2	meq/L				1	A1030 E	08/20/08 00:00/lkl
Solids, Total Dissolved Calculated	3390	mg/L				1	A1030 E	08/20/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.12					1	A1030 E	08/20/08 00:00/lkl

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-003
Client Sample ID: DewBurd SUB02

Report Date: 08/21/08
Collection Date: 06/18/08 13:10
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	06/19/08 11:58/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	98	mg/L		5		1	A2320 B	06/25/08 11:17/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 11:17/mb
Bicarbonate as HCO3	119	mg/L		5		1	A2320 B	06/25/08 11:17/mb
Calcium	620	mg/L		0.5		2	E200.7	07/10/08 16:47/eli-c
Chloride	19	mg/L		1		5	E300.0	06/21/08 01:44/jmh
Fluoride	0.8	mg/L		0.1		1	E300.0	06/20/08 02:38/jmh
Magnesium	211	mg/L		0.5		2	E200.7	07/10/08 16:47/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/19/08 12:30/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/20/08 02:38/jmh
Potassium	20	mg/L		1		2	E200.7	07/10/08 16:47/eli-c
Silica	ND	mg/L		0.5		2	E200.7	07/10/08 16:47/eli-c
Sodium	177	mg/L	D	2		2	E200.7	07/10/08 16:47/eli-c
Sulfate	2410	mg/L	D	3		50	E300.0	06/20/08 02:22/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3640	umhos/cm		5.0		1	A2510 B	06/23/08 10:50/tb
pH	8.06	s.u.		0.01		1	A4500-H B	06/23/08 10:17/tb
Sodium Adsorption Ratio (SAR)	1.6	unitless		0.10		1	Calculation	08/20/08 15:29/ADM
Solids, Suspended Sediment SSC @ 105 C	ND	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	3800	mg/L		5		1	A2540 C	06/20/08 08:28/mb
Solids, Total Suspended TSS @ 105 C	5	mg/L		5		1	A2540 D	06/19/08 15:39/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/10/08 16:47/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/25/08 13:10/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/10/08 16:47/eli-c
Boron	0.5	mg/L		0.1		2	E200.7	07/10/08 16:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/25/08 13:10/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/10/08 16:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/25/08 13:10/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	07/10/08 16:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 13:01/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	07/10/08 16:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 13:01/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/10/08 16:47/eli-c
Nickel	ND	mg/L		0.01		2	E200.7	07/10/08 16:47/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-003
Client Sample ID: DewBurd SUB02

Report Date: 08/21/08
Collection Date: 06/18/08 13:10
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	07/25/08 13:10/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 13:01/eli-c
Uranium	0.174	mg/L		0.0003		1	E200.8	07/23/08 13:01/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/25/08 13:10/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/10/08 16:47/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/28/08 22:18/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/28/08 22:18/eli-c
METALS - TOTAL								
Aluminum	ND	mg/L		0.1		2	E200.7	07/07/08 22:54/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/18/08 13:32/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 22:54/eli-c
Boron	0.5	mg/L		0.1		2	E200.7	07/07/08 22:54/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/18/08 13:32/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 22:54/eli-c
Chromium, Hexavalent	0.02	mg/L	B	0.005		1	A3500-Cr B	06/19/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	08/20/08 00:00/lkl
Copper	ND	mg/L		0.01		2	E200.7	07/07/08 22:54/eli-c
Iron	0.25	mg/L		0.03		2	E200.7	07/07/08 22:54/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/18/08 13:32/eli-c
Manganese	0.01	mg/L		0.01		2	E200.7	07/07/08 22:54/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 22:54/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/07/08 22:54/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/18/08 13:32/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/18/08 13:32/eli-c
Uranium	0.190	mg/L		0.0003		1	E200.8	07/18/08 13:32/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	07/07/08 22:54/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/07/08 22:54/eli-c
Calcium	627	mg/L		0.5		2	E200.7	07/07/08 22:54/eli-c
Magnesium	207	mg/L		0.5		2	E200.7	07/07/08 22:54/eli-c
Potassium	21.5	mg/L		0.5		2	E200.7	07/07/08 22:54/eli-c
Silica	ND	mg/L		0.5		2	E200.7	07/07/08 22:54/eli-c
Sodium	179	mg/L	D	1		2	E200.7	07/07/08 22:54/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 14:47/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:48/eli-c

Report Definitions:
RL - Analyte reporting limit.
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.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-003
Client Sample ID: DewBurd SUB02

Report Date: 08/21/08
Collection Date: 06/18/08 13:10
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.001	mg/L		0.001		1	A3114 B	07/22/08 15:06/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:24/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	-0.9	pCi/L	U			1	E909.0M	07/18/08 08:20/eli-c
Lead 210 MDC	8.4	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	07/09/08 18:40/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/09/08 18:40/eli-c
Radium 226	0.6	pCi/L				1	E903.0	07/22/08 02:22/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/22/08 02:22/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	07/22/08 02:22/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	07/18/08 20:05/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/18/08 20:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.5	pCi/L	U			1	E909.0M	07/15/08 07:15/eli-c
Lead 210 precision (±)	8.7	pCi/L				1	E909.0M	07/15/08 07:15/eli-c
Lead 210 MDC	14.6	pCi/L				1	E909.0M	07/15/08 07:15/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.5	pCi/L	U			1	E903.0	07/16/08 13:32/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/16/08 13:32/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	07/16/08 13:32/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	07/09/08 19:58/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	07/09/08 19:58/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	201	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha precision (±)	18.2	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha MDC	12.5	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta	88.7	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta precision (±)	9.8	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta MDC	13.7	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	06/26/08 18:46/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-003
Client Sample ID: DewBurd SUB02

Report Date: 08/21/08
Collection Date: 06/18/08 13:10
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/26/08 18:46/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	-1.4	pCi/L	U			1	E909.0M	08/20/08 12:33/eli-c
Lead 210 precision (±)	10	pCi/L				1	E909.0M	08/20/08 12:33/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	08/20/08 12:33/eli-c
Polonium 210 precision (±)	0.51	pCi/L				1	RMO-3008	08/20/08 12:33/eli-c
Radium 226	0.1	pCi/L	U			1	E903.0	08/20/08 12:33/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/20/08 12:33/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	08/20/08 12:33/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	08/20/08 12:33/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	07/02/08 09:59/eli-b
DATA QUALITY								
A/C Balance (± 5)	3.39	%				1	A1030 E	08/20/08 00:00/lkl
Anions	52.8	meq/L				1	A1030 E	08/20/08 00:00/lkl
Cations	56.5	meq/L				1	A1030 E	08/20/08 00:00/lkl
Solids, Total Dissolved Calculated	3520	mg/L				1	A1030 E	08/20/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.07					1	A1030 E	08/20/08 00:00/lkl

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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-004
Client Sample ID: DewBurd SUB03

Report Date: 08/21/08
Collection Date: 06/18/08 14:15
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	06/19/08 11:58/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	06/25/08 11:19/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 11:19/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	06/25/08 11:19/mb
Calcium	130	mg/L		0.5		2	E200.7	07/10/08 16:51/eli-c
Chloride	2	mg/L		1		1	E300.0	06/20/08 04:17/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	06/20/08 04:17/jmh
Magnesium	47.4	mg/L		0.5		2	E200.7	07/10/08 16:51/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	06/19/08 12:33/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/20/08 04:17/jmh
Potassium	16	mg/L		1		2	E200.7	07/10/08 16:51/eli-c
Silica	2.1	mg/L		0.5		2	E200.7	07/10/08 16:51/eli-c
Sodium	4	mg/L	D	2		2	E200.7	07/10/08 16:51/eli-c
Sulfate	510	mg/L	D	3		50	E300.0	06/20/08 03:28/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	975	umhos/cm		5.0		1	A2510 B	06/23/08 10:51/tb
pH	4.40	s.u.		0.01		1	A4500-H B	06/23/08 10:17/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	08/20/08 15:29/ADM
Solids, Suspended Sediment SSC @ 105 C	37	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	820	mg/L		5		1	A2540 C	06/20/08 08:29/mb
Solids, Total Suspended TSS @ 105 C	26	mg/L		5		1	A2540 D	06/19/08 15:39/mb
METALS - DISSOLVED								
Aluminum	0.6	mg/L		0.1		2	E200.7	07/10/08 16:51/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/25/08 13:17/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/10/08 16:51/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/10/08 16:51/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/23/08 13:07/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/10/08 16:51/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/25/08 13:17/eli-c
Iron	0.24	mg/L		0.03		2	E200.7	07/10/08 16:51/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/23/08 13:07/eli-c
Manganese	8.44	mg/L		0.01		2	E200.7	07/10/08 16:51/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/23/08 13:07/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/10/08 16:51/eli-c
Nickel	0.17	mg/L		0.01		2	E200.7	07/10/08 16:51/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-004
Client Sample ID: DewBurd SUB03

Report Date: 08/21/08
Collection Date: 06/18/08 14:15
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	07/23/08 13:07/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/23/08 13:07/eli-c
Uranium	0.0023	mg/L		0.0003		1	E200.8	07/23/08 13:07/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	07/25/08 13:17/eli-c
Zinc	0.10	mg/L		0.01		2	E200.7	07/10/08 16:51/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/28/08 22:22/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	07/28/08 22:22/eli-c
METALS - TOTAL								
Aluminum	1.2	mg/L		0.1		2	E200.7	07/07/08 22:58/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/18/08 13:39/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/07/08 22:58/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	07/07/08 22:58/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/18/08 13:39/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/07/08 22:58/eli-c
Chromium, Hexavalent	0.006	mg/L	B	0.005		1	A3500-Cr B	06/19/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	08/20/08 00:00/lkl
Copper	ND	mg/L		0.01		2	E200.7	07/07/08 22:58/eli-c
Iron	1.10	mg/L		0.03		2	E200.7	07/07/08 22:58/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/18/08 13:39/eli-c
Manganese	8.43	mg/L		0.01		2	E200.7	07/07/08 22:58/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/07/08 22:58/eli-c
Nickel	0.17	mg/L		0.05		2	E200.7	07/07/08 22:58/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/18/08 13:39/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/18/08 13:39/eli-c
Uranium	0.0031	mg/L		0.0003		1	E200.8	07/18/08 13:39/eli-c
Vanadium	0.2	mg/L		0.1		2	E200.7	07/07/08 22:58/eli-c
Zinc	0.08	mg/L		0.01		2	E200.7	07/07/08 22:58/eli-c
Calcium	132	mg/L		0.5		2	E200.7	07/07/08 22:58/eli-c
Magnesium	48.6	mg/L		0.5		2	E200.7	07/07/08 22:58/eli-c
Potassium	17.9	mg/L		0.5		2	E200.7	07/07/08 22:58/eli-c
Silica	3.8	mg/L		0.5		2	E200.7	07/07/08 22:58/eli-c
Sodium	5	mg/L	D	1		2	E200.7	07/07/08 22:58/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 14:50/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 11:50/eli-c

Report Definitions:
RL - Analyte reporting limit.
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.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-004
Client Sample ID: DewBurd SUB03

Report Date: 08/21/08
Collection Date: 06/18/08 14:15
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:37/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 15:08/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:26/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	-3.0	pCi/L	U			1	E909.0M	07/18/08 08:20/eli-c
Lead 210 MDC	8.4	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	07/18/08 08:20/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/09/08 18:40/eli-c
Polonium 210 precision (±)	0.30	pCi/L				1	RMO-3008	07/09/08 18:40/eli-c
Radium 226	2.6	pCi/L				1	E903.0	07/22/08 05:23/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	07/22/08 05:23/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	07/22/08 05:23/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/18/08 20:05/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/18/08 20:05/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.8	pCi/L	U			1	E909.0M	07/15/08 07:15/eli-c
Lead 210 precision (±)	8.7	pCi/L				1	E909.0M	07/15/08 07:15/eli-c
Lead 210 MDC	14.6	pCi/L				1	E909.0M	07/15/08 07:15/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.09	pCi/L	U			1	E903.0	07/16/08 13:32/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	07/16/08 13:32/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	07/16/08 13:32/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	07/10/08 12:56/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	07/10/08 12:56/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	19.9	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Alpha MDC	2.6	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta	21.8	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Beta MDC	3.0	pCi/L				1	E900.0	07/26/08 03:41/eli-c
Gross Gamma	1080	pCi/L		20.0		1	E901.1	06/26/08 18:46/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060347-004
Client Sample ID: DewBurd SUB03

Report Date: 08/21/08
Collection Date: 06/18/08 14:15
Date Received: 06/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma precision (±)	153	pCi/L				1	E901.1	06/26/08 18:46/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	-3.8	pCi/L	U			1	E909.0M	08/20/08 12:33/eli-c
Lead 210 precision (±)	10	pCi/L				1	E909.0M	08/20/08 12:33/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	08/20/08 12:33/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	08/20/08 12:33/eli-c
Radium 226	2.5	pCi/L				1	E903.0	08/20/08 12:33/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	08/20/08 12:33/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	08/20/08 12:33/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	08/20/08 12:33/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	07/02/08 10:02/eli-b
DATA QUALITY								
A/C Balance (± 5)	4.34	%				1	A1030 E	08/20/08 00:00/lkl
Anions	10.7	meq/L				1	A1030 E	08/20/08 00:00/lkl
Cations	11.7	meq/L				1	A1030 E	08/20/08 00:00/lkl
Solids, Total Dissolved Calculated	716	mg/L				1	A1030 E	08/20/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.15					1	A1030 E	08/20/08 00:00/lkl

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080625A-ALK-SEL-W	
Sample ID: LCS1_080625A	Laboratory Control Sample				Run: PH_COND1-R_080625A			06/25/08 09:31	
Alkalinity, Total as CaCO3	964	mg/L	5.0	96	90	110			
Sample ID: MBLK1_080625A	Method Blank				Run: PH_COND1-R_080625A			06/25/08 09:34	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08060319-002DMS	Sample Matrix Spike				Run: PH_COND1-R_080625A			06/25/08 10:59	
Alkalinity, Total as CaCO3	392	mg/L	5.0	98	80	120			
Sample ID: R08060319-002DMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080625A			06/25/08 11:03	
Alkalinity, Total as CaCO3	390	mg/L	5.0	96	80	120	0.5	10	
Sample ID: R08060403-005CMS	Sample Matrix Spike				Run: PH_COND1-R_080625A			06/25/08 12:14	
Alkalinity, Total as CaCO3	112	mg/L	5.0	100	80	120			
Sample ID: R08060403-005CMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080625A			06/25/08 12:16	
Alkalinity, Total as CaCO3	114	mg/L	5.0	102	80	120	1.8	10	
Method: A2510 B								Batch: 080623_1_COND-PROBE-W	
Sample ID: LCS1-1_080623	Laboratory Control Sample				Run: PH_COND2-R_080623B			06/23/08 10:43	
Conductivity @ 25 C	151	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_080623	Laboratory Control Sample				Run: PH_COND2-R_080623B			06/23/08 10:44	
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080623	Laboratory Control Sample				Run: PH_COND2-R_080623B			06/23/08 10:46	
Conductivity @ 25 C	1370	umhos/cm	5.0	97	90	110			
Sample ID: R08060347-004CDUP	Sample Duplicate				Run: PH_COND2-R_080623B			06/23/08 10:57	
Conductivity @ 25 C	969	umhos/cm	5.0				0.6	10	
Sample ID: MBLK-1_080623	Method Blank				Run: PH_COND2-R_080623B			06/23/08 10:54	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 080620A-SLDS-TDS-W	
Sample ID: R08060331-003BMS	Sample Matrix Spike				Run: BAL-4-R_080618B			06/20/08 08:25	
Solids, Total Dissolved TDS @ 180 C	1400	mg/L	5.0	112	80	120			
Sample ID: R08060331-003BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080618B			06/20/08 08:25	
Solids, Total Dissolved TDS @ 180 C	1400	mg/L	5.0	110	80	120	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080619A-SLDS-TSS-W	
Sample ID: R08060347-004CDUP	Sample Duplicate				Run: BAL-4-R_080618A			06/19/08 15:40	
Solids, Total Suspended TSS @ 105 C	20	mg/L	5.0				26	20	R
Method: A3114 B								Batch: C_SE3114-080719A	
Sample ID: MBLK	Method Blank				Run: SUB-C104480			07/19/08 11:18	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104480			07/19/08 11:21	
Selenium-IV	0.046	mg/L	0.0010	92	90	110			
Sample ID: C08060993-001AMS	Sample Matrix Spike				Run: SUB-C104480			07/19/08 11:25	
Selenium-IV	0.050	mg/L	0.0010	100	85	115			
Sample ID: C08060993-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104480			07/19/08 11:27	
Selenium-IV	0.051	mg/L	0.0010	102	85	115	1.6	10	
Sample ID: R08060452-001E	Sample Matrix Spike				Run: SUB-C104480			07/19/08 11:54	
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: R08060452-001E	Sample Matrix Spike Duplicate				Run: SUB-C104480			07/19/08 11:56	
Selenium-IV	0.047	mg/L	0.0010	94	85	115	2.5	10	
Method: A3114 B								Batch: C_SE3114-080719C	
Sample ID: MBLK	Method Blank				Run: SUB-C104484			07/19/08 14:18	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104484			07/19/08 14:20	
Selenium	0.046	mg/L	0.0010	92	90	110			
Sample ID: C08060993-001AMS	Sample Matrix Spike				Run: SUB-C104484			07/19/08 14:24	
Selenium	0.051	mg/L	0.0010	102	85	115			
Sample ID: C08060993-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104484			07/19/08 14:26	
Selenium	0.052	mg/L	0.0010	104	85	115	1.8	10	
Sample ID: R08060452-001E	Sample Matrix Spike				Run: SUB-C104484			07/19/08 14:54	
Selenium	0.051	mg/L	0.0010	103	85	115			
Sample ID: R08060452-001E	Sample Matrix Spike Duplicate				Run: SUB-C104484			07/19/08 14:56	
Selenium	0.052	mg/L	0.0010	105	85	115	1.9	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-080722B	
Sample ID: MBLK	Method Blank				Run: SUB-C104619			07/22/08 10:52	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104619			07/22/08 10:55	
Selenium-IV	0.053	mg/L	0.0010	106	90	110			
Sample ID: C08060993-001HMS	Sample Matrix Spike				Run: SUB-C104619			07/22/08 10:59	
Selenium-IV	0.054	mg/L	0.0010	108	85	115			
Sample ID: C08060993-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104619			07/22/08 11:02	
Selenium-IV	0.053	mg/L	0.0010	107	85	115	1.2	10	
Sample ID: C08061335-001HMS	Sample Matrix Spike				Run: SUB-C104619			07/22/08 11:32	
Selenium-IV	0.055	mg/L	0.0010	110	85	115			
Sample ID: C08061335-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104619			07/22/08 11:34	
Selenium-IV	0.054	mg/L	0.0010	108	85	115	1.5	10	
Method: A3114 B								Batch: C_SE3114-080722C	
Sample ID: MBLK	Method Blank				Run: SUB-C104640			07/22/08 14:38	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104640			07/22/08 14:40	
Selenium	0.052	mg/L	0.0010	104	90	110			
Sample ID: C08060993-001HMS	Sample Matrix Spike				Run: SUB-C104640			07/22/08 14:45	
Selenium	0.053	mg/L	0.0010	104	85	115			
Sample ID: C08060993-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104640			07/22/08 14:47	
Selenium	0.052	mg/L	0.0010	102	85	115	1.4	10	
Sample ID: C08061335-001HMS	Sample Matrix Spike				Run: SUB-C104640			07/22/08 15:12	
Selenium	0.050	mg/L	0.0010	101	85	115			
Sample ID: C08061335-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104640			07/22/08 15:14	
Selenium	0.051	mg/L	0.0010	101	85	115	0.5	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B								Batch: 080619-CR-HEX-W	
Sample ID: MBLK	Method Blank				Run: SPEC1_080619A			06/19/08 00:00	
Chromium, Hexavalent	0.009	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_080619A			06/19/08 00:00	
Chromium, Hexavalent	0.21	mg/L	0.0050	101	80	120			
Sample ID: R08060347-001E	Sample Matrix Spike				Run: SPEC1_080619A			06/19/08 00:00	
Chromium, Hexavalent	1.8	mg/L	0.050	92	80	120			
Sample ID: R08060347-002E	Sample Matrix Spike				Run: SPEC1_080619A			06/19/08 00:00	
Chromium, Hexavalent	0.20	mg/L	0.0050	96	80	120			
Sample ID: R08060347-003E	Sample Matrix Spike				Run: SPEC1_080619A			06/19/08 00:00	
Chromium, Hexavalent	0.22	mg/L	0.0050	101	80	120			
Sample ID: R08060347-004E	Sample Matrix Spike				Run: SPEC1_080619A			06/19/08 00:00	
Chromium, Hexavalent	0.17	mg/L	0.0050	82	80	120			
Method: A4500-H B								Batch: 080619_2_PH-W	
Sample ID: LCS_pH-1_080619	Laboratory Control Sample				Run: PH_COND2-R_080619A			06/19/08 11:37	
pH	6.91	s.u.	0.010	101	98.55	101.45			
Sample ID: R08060347-001CDUP	Sample Duplicate				Run: PH_COND2-R_080619A			06/19/08 12:21	
pH	7.06	s.u.	0.010				0.1	1.25	
Method: A4500-H B								Batch: 080623_1_PH-W	
Sample ID: LCS_pH-1_080623	Laboratory Control Sample				Run: PH_COND2-R_080623A			06/23/08 10:14	
pH	6.90	s.u.	0.010	101	98.55	101.45			
Sample ID: R08060364-003ADUP	Sample Duplicate				Run: PH_COND2-R_080623A			06/23/08 10:25	
pH	7.28	s.u.	0.010				0.1	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-06-19_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080619A			06/19/08 10:10	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080619A			06/19/08 10:12	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080619A			06/19/08 10:22	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	89	90	110			S
Sample ID: R08060347-003FMS	Sample Matrix Spike				Run: TECHAA2-R_080619A			06/19/08 12:31	
Nitrogen, Ammonia as N	0.20	mg/L	0.10	81	80	120			
Sample ID: R08060347-003FMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080619A			06/19/08 12:32	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	89	80	120	9.9	10	
Method: A9222 D								Batch: 080619-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080619A			06/19/08 11:58	
Bacteria, Fecal Coliform	ND	CFU/100ml							
Sample ID: R08060347-004D	Sample Duplicate				Run: MEMFILT_080619A			06/19/08 11:58	
Bacteria, Fecal Coliform	2.0	CFU/100ml	2.0				200	10	R

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18951
Sample ID: MB-18951	Method Blank				Run: SUB-C103815				07/07/08 22:33
Aluminum	ND	mg/L	0.002						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Vanadium	0.03	mg/L	0.005						
Zinc	0.003	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	0.3	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS3-18951	Laboratory Control Sample				Run: SUB-C103815				07/07/08 22:37
Aluminum	2.47	mg/L	0.10	99	85	115			
Barium	0.502	mg/L	0.10	100	85	115			
Boron	0.512	mg/L	0.10	102	85	115			
Chromium	0.506	mg/L	0.050	101	85	115			
Copper	0.504	mg/L	0.010	101	85	115			
Iron	2.69	mg/L	0.030	108	85	115			
Manganese	2.53	mg/L	0.010	101	85	115			
Molybdenum	0.498	mg/L	0.10	100	85	115			
Nickel	0.506	mg/L	0.050	101	85	115			
Vanadium	0.515	mg/L	0.10	98	85	115			
Zinc	0.499	mg/L	0.010	99	85	115			
Calcium	26.1	mg/L	1.0	104	85	115			
Magnesium	26.3	mg/L	1.0	105	85	115			
Potassium	26.0	mg/L	1.0	104	85	115			
Silica	6.03	mg/L	0.10	115	85	115			
Sodium	25.4	mg/L	1.0	102	85	115			
Sample ID: R08060347-004B	Sample Matrix Spike				Run: SUB-C103815				07/07/08 23:02
Aluminum	4.86	mg/L	0.10	146	70	130			S
Barium	0.543	mg/L	0.10	101	70	130			
Boron	0.605	mg/L	0.10	100	70	130			
Chromium	0.508	mg/L	0.050	102	70	130			
Copper	0.506	mg/L	0.010	101	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_18951	
Sample ID: R08060347-004B	Sample Matrix Spike				Run: SUB-C103815			07/07/08 23:02	
Iron	3.69	mg/L	0.030	104	70	130			
Manganese	10.8	mg/L	0.010	93	70	130			
Molybdenum	0.487	mg/L	0.10	97	70	130			
Nickel	0.680	mg/L	0.050	102	70	130			
Vanadium	0.722	mg/L	0.10	109	70	130			
Zinc	0.574	mg/L	0.010	99	70	130			
Calcium	157	mg/L	1.0		70	130			A
Magnesium	73.4	mg/L	1.0	99	70	130			
Potassium	44.7	mg/L	1.0	107	70	130			
Silica	11.6	mg/L	0.10	156	70	130			S
Sodium	28.8	mg/L	1.1	97	70	130			
Sample ID: R08060347-004B	Sample Matrix Spike Duplicate				Run: SUB-C103815			07/07/08 23:06	
Aluminum	4.91	mg/L	0.10	148	70	130	1.0	20	S
Barium	0.555	mg/L	0.10	103	70	130	2.1	20	
Boron	0.618	mg/L	0.10	102	70	130	2.2	20	
Chromium	0.519	mg/L	0.050	104	70	130	2.1	20	
Copper	0.525	mg/L	0.010	105	70	130	3.7	20	
Iron	3.83	mg/L	0.030	109	70	130	3.6	20	
Manganese	10.9	mg/L	0.010	99	70	130	1.3	20	
Molybdenum	0.519	mg/L	0.10	104	70	130	6.4	20	
Nickel	0.692	mg/L	0.050	104	70	130	1.7	20	
Vanadium	0.681	mg/L	0.10	101	70	130	5.8	20	
Zinc	0.595	mg/L	0.010	103	70	130	3.6	20	
Calcium	158	mg/L	1.0		70	130	0.9	20	A
Magnesium	74.6	mg/L	1.0	104	70	130	1.5	20	
Potassium	44.4	mg/L	1.0	106	70	130	0.5	20	
Silica	11.9	mg/L	0.10	162	70	130	2.5	20	S
Sodium	29.1	mg/L	1.1	98	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R104056
Sample ID: MB-080710A	Method Blank				Run: SUB-C104056				07/10/08 15:51
Silica	0.04	mg/L	0.02						
Aluminum	0.009	mg/L	0.004						
Barium	0.02	mg/L	0.006						
Boron	0.03	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.003	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080710A	Laboratory Fortified Blank				Run: SUB-C104056				07/10/08 15:55
Silica	0.46	mg/L	0.10	105	85	125			
Aluminum	1.0	mg/L	0.10	101	85	125			
Barium	1.0	mg/L	0.10	100	85	125			
Boron	1.1	mg/L	0.10	105	85	125			
Calcium	54	mg/L	0.50	108	85	125			
Chromium	1.0	mg/L	0.050	104	85	125			
Iron	1.1	mg/L	0.030	112	85	125			
Magnesium	54	mg/L	0.50	108	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	1.0	mg/L	0.10	102	85	125			
Nickel	1.0	mg/L	0.050	102	85	125			
Potassium	46	mg/L	0.50	93	85	125			
Sodium	51	mg/L	0.77	101	85	125			
Zinc	1.0	mg/L	0.010	104	85	125			
Sample ID: C08061168-012BMS2	Sample Matrix Spike				Run: SUB-C104056				07/10/08 16:03
Aluminum	4.98	mg/L	0.10	99	70	130			
Barium	5.03	mg/L	0.10	101	70	130			
Boron	6.39	mg/L	0.10	102	70	130			
Chromium	5.14	mg/L	0.050	103	70	130			
Iron	5.48	mg/L	0.030	110	70	130			
Manganese	5.13	mg/L	0.010	103	70	130			
Molybdenum	5.11	mg/L	0.10	101	70	130			
Nickel	5.10	mg/L	0.050	102	70	130			
Zinc	5.23	mg/L	0.011	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R104056	
Sample ID: C08061168-012BMS2	Sample Matrix Spike				Run: SUB-C104056			07/10/08 16:03	
Calcium	306	mg/L	1.0	104	70	130			
Magnesium	272	mg/L	1.0	105	70	130			
Potassium	226	mg/L	1.0	89	70	130			
Silica	11.1	mg/L	0.10		70	130			A
Sodium	932	mg/L	3.9	93	70	130			
Sample ID: C08061168-012BMSD2	Sample Matrix Spike Duplicate				Run: SUB-C104056			07/10/08 16:07	
Aluminum	4.78	mg/L	0.10	95	70	130	4.1	20	
Barium	4.99	mg/L	0.10	100	70	130	0.9	20	
Boron	6.39	mg/L	0.10	102	70	130	0.0	20	
Chromium	5.09	mg/L	0.050	102	70	130	1.0	20	
Iron	5.37	mg/L	0.030	107	70	130	2.0	20	
Manganese	5.07	mg/L	0.010	101	70	130	1.1	20	
Molybdenum	5.08	mg/L	0.10	101	70	130	0.4	20	
Nickel	5.06	mg/L	0.050	101	70	130	0.7	20	
Zinc	5.15	mg/L	0.011	102	70	130	1.6	20	
Calcium	304	mg/L	1.0	103	70	130	0.5	20	
Magnesium	274	mg/L	1.0	106	70	130	0.6	20	
Potassium	229	mg/L	1.0	91	70	130	1.2	20	
Silica	11.0	mg/L	0.10		70	130	0.3	20	A
Sodium	939	mg/L	3.9	96	70	130	0.7	20	
Sample ID: C08061234-001BMS2	Sample Matrix Spike				Run: SUB-C104056			07/10/08 17:08	
Aluminum	2.18	mg/L	0.10	99	70	130			
Barium	2.06	mg/L	0.10	101	70	130			
Boron	4.65	mg/L	0.10	103	70	130			
Chromium	2.07	mg/L	0.050	104	70	130			
Iron	2.21	mg/L	0.030	108	70	130			
Manganese	2.06	mg/L	0.010	103	70	130			
Molybdenum	2.02	mg/L	0.10	101	70	130			
Nickel	2.03	mg/L	0.050	102	70	130			
Zinc	2.08	mg/L	0.010	104	70	130			
Calcium	107	mg/L	1.0	104	70	130			
Magnesium	105	mg/L	1.0	105	70	130			
Potassium	89.8	mg/L	1.0	87	70	130			
Silica	23.6	mg/L	0.10		70	130			A
Sodium	774	mg/L	1.5		70	130			A
Sample ID: C08061234-001BMSD2	Sample Matrix Spike Duplicate				Run: SUB-C104056			07/10/08 17:12	
Aluminum	2.20	mg/L	0.10	100	70	130	1.0	20	
Barium	2.07	mg/L	0.10	102	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R104056	
Sample ID: C08061234-001BMSD2	Sample Matrix Spike Duplicate				Run: SUB-C104056			07/10/08 17:12	
Boron	4.66	mg/L	0.10	103	70	130	0.1	20	
Chromium	2.08	mg/L	0.050	104	70	130	0.4	20	
Iron	2.21	mg/L	0.030	108	70	130	0.1	20	
Manganese	2.07	mg/L	0.010	103	70	130	0.5	20	
Molybdenum	2.04	mg/L	0.10	102	70	130	1.1	20	
Nickel	2.04	mg/L	0.050	102	70	130	0.3	20	
Zinc	2.10	mg/L	0.010	105	70	130	0.8	20	
Calcium	107	mg/L	1.0	104	70	130	0.4	20	
Magnesium	106	mg/L	1.0	106	70	130	1.0	20	
Potassium	91.0	mg/L	1.0	88	70	130	1.3	20	
Silica	23.5	mg/L	0.10		70	130	0.4	20	A
Sodium	780	mg/L	1.5		70	130	0.7	20	A

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18951
Sample ID: MB-18951	Method Blank				Run: SUB-C104503				07/18/08 13:05
Arsenic	0.0005	mg/L	5E-05						
Cadmium	ND	mg/L	3E-05						
Lead	ND	mg/L	5E-05						
Silver	ND	mg/L	4E-05						
Thorium 232	0.0004	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18951	Laboratory Control Sample				Run: SUB-C104503				07/18/08 13:12
Arsenic	0.508	mg/L	0.0010	102	85	115			
Cadmium	0.258	mg/L	0.010	103	85	115			
Lead	0.523	mg/L	0.050	105	85	115			
Silver	0.0480	mg/L	0.010	96	85	115			
Thorium 232	0.521	mg/L	0.0010	104	85	115			
Uranium	0.526	mg/L	0.00032	105	85	115			
Sample ID: R08060347-004B	Sample Matrix Spike				Run: SUB-C104503				07/18/08 14:13
Arsenic	0.548	mg/L	0.0010	109	70	130			
Cadmium	0.264	mg/L	0.010	105	70	130			
Lead	0.570	mg/L	0.050	114	70	130			
Silver	0.0515	mg/L	0.010	103	70	130			
Thorium 232	0.635	mg/L	0.0010	127	70	130			
Uranium	0.636	mg/L	0.00030	127	70	130			
Sample ID: R08060347-004B	Sample Matrix Spike Duplicate				Run: SUB-C104503				07/18/08 14:20
Arsenic	0.530	mg/L	0.0010	106	70	130	3.2	20	
Cadmium	0.255	mg/L	0.010	101	70	130	3.4	20	
Lead	0.549	mg/L	0.050	110	70	130	3.8	20	
Silver	0.0497	mg/L	0.010	99	70	130	3.6	20	
Thorium 232	0.609	mg/L	0.0010	122	70	130	4.2	20	
Uranium	0.604	mg/L	0.00030	120	70	130	5.2	20	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R104758	
Sample ID: LRB	Method Blank				Run: SUB-C104758			07/23/08 12:27	
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	4E-05						
Cadmium	ND	mg/L	3E-06						
Copper	ND	mg/L	3E-05						
Lead	ND	mg/L	3E-06						
Mercury	ND	mg/L	1E-05						
Silver	0.0007	mg/L	7E-06						
Uranium	4E-06	mg/L	2E-06						
Vanadium	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C104758			07/23/08 12:34	
Aluminum	0.0509	mg/L	0.0010	102	85	115			
Arsenic	0.0497	mg/L	0.0010	99	85	115			
Cadmium	0.0506	mg/L	0.0010	101	85	115			
Copper	0.0512	mg/L	0.0010	102	85	115			
Lead	0.0492	mg/L	0.0010	98	85	115			
Mercury	0.00498	mg/L	0.0010	100	85	115			
Silver	0.0196	mg/L	0.0010	95	85	115			
Uranium	0.0488	mg/L	0.00030	98	85	115			
Vanadium	0.0492	mg/L	0.0010	98	85	115			
Sample ID: C08061324-001KMS4	Post Digestion Spike				Run: SUB-C104758			07/23/08 14:14	
Aluminum	0.0538	mg/L	0.10	106	70	130			
Arsenic	0.0504	mg/L	0.0010	101	70	130			
Cadmium	0.0485	mg/L	0.010	97	70	130			
Copper	0.0498	mg/L	0.010	98	70	130			
Lead	0.0486	mg/L	0.050	97	70	130			
Mercury	0.00508	mg/L	0.0010	101	70	130			
Silver	0.0115	mg/L	0.010	58	70	130			S
Thorium 232	0.0484	mg/L	0.0010	97	70	130			
Uranium	0.276	mg/L	0.00030		70	130			A
Vanadium	0.0483	mg/L	0.10	97	70	130			
Sample ID: C08061324-001KMSD4	Post Digestion Spike Duplicate				Run: SUB-C104758			07/23/08 14:21	
Aluminum	0.0538	mg/L	0.10	106	70	130	0.0	20	
Arsenic	0.0526	mg/L	0.0010	105	70	130	4.3	20	
Cadmium	0.0505	mg/L	0.010	101	70	130	4.0	20	
Copper	0.0520	mg/L	0.010	102	70	130	4.2	20	
Lead	0.0498	mg/L	0.050	100	70	130	0.0	20	
Mercury	0.00545	mg/L	0.0010	109	70	130	7.1	20	
Silver	0.00980	mg/L	0.010	49	70	130	0.0	20	S

Qualifiers:

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ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R104758	
Sample ID: C08061324-001KMSD4	Post Digestion Spike Duplicate				Run: SUB-C104758			07/23/08 14:21	
Thorium 232	0.0501	mg/L	0.0010	100	70	130	3.6	20	
Uranium	0.276	mg/L	0.00030		70	130	0.2	20	A
Vanadium	0.0505	mg/L	0.10	101	70	130	0.0	20	
Method: E200.8								Batch: C_R104854	
Sample ID: LRB	Method Blank				Run: SUB-C104854			07/25/08 12:43	
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Silver	ND	mg/L	3E-05						
Vanadium	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C104854			07/25/08 12:50	
Arsenic	0.0511	mg/L	0.0010	102	85	115			
Cadmium	0.0522	mg/L	0.0010	104	85	115			
Copper	0.0509	mg/L	0.0010	102	85	115			
Silver	0.0206	mg/L	0.0010	103	85	115			
Vanadium	0.0512	mg/L	0.0010	102	85	115			
Sample ID: C08070230-001KMS4	Post Digestion Spike				Run: SUB-C104854			07/25/08 14:31	
Arsenic	0.0503	mg/L	0.0010	98	70	130			
Cadmium	0.0486	mg/L	0.010	97	70	130			
Copper	0.0462	mg/L	0.010	91	70	130			
Silver	0.0148	mg/L	0.010	74	70	130			
Vanadium	0.0486	mg/L	0.10	97	70	130			
Sample ID: C08070230-001KMSD4	Post Digestion Spike Duplicate				Run: SUB-C104854			07/25/08 14:38	
Arsenic	0.0507	mg/L	0.0010	99	70	130	1.0	20	
Cadmium	0.0483	mg/L	0.010	97	70	130	0.7	20	
Copper	0.0463	mg/L	0.010	91	70	130	0.2	20	
Silver	0.0128	mg/L	0.010	64	70	130	15	20	S
Vanadium	0.0479	mg/L	0.10	95	70	130	0.0	20	

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S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_33287
Sample ID: MB-33287	Method Blank				Run: SUB-C103668				07/02/08 09:04
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33287	Laboratory Fortified Blank				Run: SUB-C103668				07/02/08 09:08
Mercury	0.0021	mg/L	0.0010	107	85	115			
Sample ID: B08062811-001HMS	Sample Matrix Spike				Run: SUB-C103668				07/02/08 09:48
Mercury	0.0018	mg/L	0.0010	92	70	130			
Sample ID: B08062811-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C103668				07/02/08 09:50
Mercury	0.0019	mg/L	0.0010	95	70	130	3.8	30	
Method: E245.1									Analytical Run: SUB-C103668
Sample ID: QCS	Initial Calibration Verification Standard								07/02/08 08:49
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35577
Sample ID: LFB0806190922-3	Laboratory Fortified Blank				Run: DIONEX_080619A				06/19/08 17:04
Chloride	4.62	mg/L	0.50	92	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: LFB0806190922-4	Laboratory Fortified Blank				Run: DIONEX_080619A				06/19/08 17:20
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	1.85	mg/L	0.10	93	90	110			
Nitrogen, Nitrate as N	2.34	mg/L	0.10	94	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R08060335-001AMS	Sample Matrix Spike				Run: DIONEX_080619A				06/20/08 00:43
Chloride	244	mg/L	5.4	87	80	120			
Fluoride	93.4	mg/L	0.56	85	80	120			
Nitrogen, Nitrate as N	117	mg/L	1.3	93	80	120			
Sulfate	1890	mg/L	3.4	87	80	120			
Sample ID: R08060335-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080619A				06/20/08 01:00
Chloride	240	mg/L	5.4	85	80	120	2.0	10	
Fluoride	91.0	mg/L	0.56	83	80	120	2.6	10	
Nitrogen, Nitrate as N	114	mg/L	1.3	91	80	120	2.4	10	
Sulfate	1870	mg/L	3.4	85	80	120	0.9	10	
Sample ID: R08060347-004CMS	Sample Matrix Spike				Run: DIONEX_080619A				06/20/08 03:44
Chloride	240	mg/L	5.4	88	80	120			
Fluoride	94.1	mg/L	0.56	86	80	120			
Nitrogen, Nitrate as N	117	mg/L	1.3	94	80	120			
Sulfate	1140	mg/L	3.4	84	80	120			
Sample ID: R08060347-004CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080619A				06/20/08 04:00
Chloride	233	mg/L	5.4	85	80	120	3.0	10	
Fluoride	91.6	mg/L	0.56	84	80	120	2.7	10	
Nitrogen, Nitrate as N	114	mg/L	1.3	91	80	120	2.9	10	
Sulfate	1130	mg/L	3.4	82	80	120	1.4	10	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35594
Sample ID: LFB0806204637-3	Laboratory Fortified Blank				Run: DIONEX_080620A				06/20/08 16:58
Chloride	4.82	mg/L	0.50	96	90	110			
Sample ID: LFB0806204637-4	Laboratory Fortified Blank				Run: DIONEX_080620A				06/20/08 17:15
Chloride	4.65	mg/L	0.50	93	90	110			
Sample ID: R08060318-001DMS	Sample Matrix Spike				Run: DIONEX_080620A				06/21/08 00:21
Chloride	30.0	mg/L	0.54	87	80	120			
Sample ID: R08060318-001DMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080620A				06/21/08 00:38
Chloride	29.5	mg/L	0.54	85	80	120	1.7	10	
Method: E900.0									Batch: C_GrAB-0485
Sample ID: MB-GrAB-0485	Method Blank				Run: SUB-C104921				07/26/08 03:40
Gross Alpha	2	pCi/L							
Gross Beta	-2	pCi/L							
Sample ID: UNAT-GrAB-0485	Laboratory Control Sample				Run: SUB-C104921				07/26/08 03:40
Gross Alpha	120	pCi/L		87	70	130			
Sample ID: Cs137-GrAB-0485	Laboratory Control Sample				Run: SUB-C104921				07/26/08 03:41
Gross Beta	100	pCi/L		108	70	130			
Sample ID: R08060347-002I	Sample Duplicate				Run: SUB-C104921				07/26/08 03:41
Gross Alpha	196	pCi/L					1.9	28.4	
Gross Beta	75.0	pCi/L					6.6	41.2	
Sample ID: C08061318-001DMS	Sample Matrix Spike				Run: SUB-C104921				07/26/08 21:24
Gross Alpha	168	pCi/L		119	70	130			
Sample ID: C08061318-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104921				07/26/08 21:24
Gross Alpha	148	pCi/L		105	70	130	12	16.3	
Sample ID: C08061318-001DMS	Sample Matrix Spike				Run: SUB-C104921				07/26/08 21:25
Gross Beta	95.8	pCi/L		100	70	130			
Sample ID: C08061318-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104921				07/26/08 21:25
Gross Beta	98.1	pCi/L		102	70	130	2.3	16	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R103364
Sample ID: LCS-R103364	Laboratory Control Sample				Run: SUB-C103364				06/26/08 18:46
Cesium 137	468000	pCi/L	20	107	70	130			
Cobalt 60	330000	pCi/L	20	102	70	130			
Sample ID: MB-R103364	Method Blank				Run: SUB-C103364				06/26/08 18:46
Gross Gamma	ND	pCi/L							
Sample ID: R08060347-004I	Sample Duplicate				Run: SUB-C103364				06/26/08 18:46
Gross Gamma	820	pCi/L	20				27	30	
Method: E903.0									Batch: C_R104614
Sample ID: LCS-18976	Laboratory Control Sample				Run: SUB-C104614				07/16/08 15:34
Radium 226	80	pCi/L		113	70	130			
Sample ID: MB-18976	Method Blank				Run: SUB-C104614				07/16/08 15:34
Radium 226	-2	pCi/L							U
Sample ID: C08070075-016BMS	Sample Matrix Spike				Run: SUB-C104614				07/16/08 15:34
Radium 226	0.0019	uCi/kg		119	70	130			
Sample ID: C08070075-016BMSD	Sample Matrix Spike Duplicate				Run: SUB-C104614				07/16/08 17:15
Radium 226	0.0018	uCi/kg		107	70	130	7.5	24.7	
Method: E903.0									Batch: C_RA226-2933
Sample ID: C08061168-012DMS	Sample Matrix Spike				Run: SUB-C104739				07/21/08 08:17
Radium 226	15	pCi/L		91	70	130			
Sample ID: C08061168-012DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104739				07/21/08 09:47
Radium 226	14	pCi/L		90	70	130	1.1	24.2	
Sample ID: MB-RA226-2933	Method Blank				Run: SUB-C104739				07/22/08 14:25
Radium 226	0.02	pCi/L							U
Sample ID: LCS-RA226-2933	Laboratory Control Sample				Run: SUB-C104739				07/22/08 15:55
Radium 226	6.8	pCi/L		86	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_18947
Sample ID: C08060794-001AMS	Sample Matrix Spike				Run: SUB-C104657				07/10/08 13:42
Thorium 230	93.3	pCi/Filter	0.20	105	70	130			
Sample ID: C08060794-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104657				07/10/08 13:44
Thorium 230	93.4	pCi/Filter	0.20	94	70	130	0.1	30	
Sample ID: LCS-18947	Laboratory Control Sample				Run: SUB-C104657				07/10/08 13:49
Thorium 230	50.9	pCi/L	0.20	100	70	130			
Sample ID: MB-18947	Method Blank				Run: SUB-C104657				07/10/08 12:56
Thorium 230	0.9	pCi/L							U
Method: E907.0									Batch: C_RA-TH-ISO-0569
Sample ID: LCS-RA-TH-ISO-0569	Laboratory Control Sample				Run: SUB-C104856				07/18/08 14:22
Thorium 230	6.38	pCi/L	0.20	102	70	130			
Sample ID: C08061256-002DMS	Sample Matrix Spike				Run: SUB-C104856				07/18/08 14:22
Thorium 230	15.0	pCi/L	0.20	92	70	130			
Sample ID: C08061256-002DMSD	Sample Matrix Spike Duplicate				Run: SUB-C104856				07/18/08 14:22
Thorium 230	14.0	pCi/L	0.20	87	70	130	7.0	30	
Sample ID: MB-RA-TH-ISO-0569	Method Blank				Run: SUB-C104856				07/18/08 20:05
Thorium 230	0.10	pCi/L							U
Method: E909.0M									Batch: C_18947
Sample ID: R08060347-004K	Sample Matrix Spike				Run: SUB-C105488				07/15/08 07:15
Lead 210	1000	pCi/L		88	70	130			
Sample ID: R08060347-004K	Sample Matrix Spike Duplicate				Run: SUB-C105488				07/15/08 07:15
Lead 210	930	pCi/L		80	70	130	10	30	
Sample ID: MB-R105488	Method Blank				Run: SUB-C105488				07/15/08 07:15
Lead 210	-1	pCi/L							U
Sample ID: LCS-R105488	Laboratory Control Sample				Run: SUB-C105488				07/15/08 07:15
Lead 210	96	pCi/L		82	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060347

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_R105675
Sample ID: C08070067-003AMS	Sample Matrix Spike				Run: SUB-C105675				07/18/08 08:20
Lead 210	640	pCi/L		110	70	130			
Sample ID: C08070067-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105675				07/18/08 08:20
Lead 210	540	pCi/L		92	70	130	18	30	
Sample ID: MB-R105675	Method Blank				Run: SUB-C105675				07/18/08 08:20
Lead 210	-2	pCi/L							U
Sample ID: LCS-R105675	Laboratory Control Sample				Run: SUB-C105675				07/18/08 08:20
Lead 210	110	pCi/L		94	70	130			
Method: RMO-3008									Batch: C_18947
Sample ID: C08061021-001FMS	Sample Matrix Spike				Run: SUB-C106166				08/18/08 17:00
Polonium 210	20	pCi/L	1.0	87	70	130			
Sample ID: C08061021-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C106166				08/18/08 17:00
Polonium 210	21	pCi/L	1.0	93	70	130	7.1	30	
Sample ID: LCS-18947	Laboratory Control Sample				Run: SUB-C106166				08/18/08 17:00
Polonium 210	110	pCi/L	1.0	135	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-18947	Method Blank				Run: SUB-C106166				08/18/08 17:00
Polonium 210	ND	pCi/L							U
Method: RMO-3008									Batch: C_R104445
Sample ID: C08061292-003AMS	Sample Matrix Spike				Run: SUB-C104445				07/09/08 18:40
Polonium 210	72	pCi/L	1.0	83	70	130			
Sample ID: C08061292-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104445				07/09/08 18:40
Polonium 210	67	pCi/L	1.0	77	70	130	7.4	30	
Sample ID: LCS-R104445	Laboratory Control Sample				Run: SUB-C104445				07/09/08 18:40
Polonium 210	25	pCi/L	1.0	58	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MS and MSD are acceptable the batch is approved.									
Sample ID: MB-R104445	Method Blank				Run: SUB-C104445				07/09/08 18:40
Polonium 210	ND	pCi/L							U

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: Powertech DB	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address:	Contact Name: cory.foreman@respec.com Phone/Fax:	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

☐ DW ☐ GSA ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☐ A2LA ☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC

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

Comments: ALL SW

Shipped by:

Cooler ID(s):

Receipt Temp 7.1 °C

On Ice: (Yes) No

Custody Seal Y N

Intact Y N

Signature Match Y N

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	As Per Quote	+ Pb	+ Po	SEE ATTACHED	Normal Turnaround (TAT)		LABORATORY USE ONLY
1	Dewburd Sub01	6/18/08	12:00	W						set 29 Dorgan Ranch	B08060347-001
2	Dewburd Sub02	6/18/08	12:05	W						set 17 Triangle Pit	002
3	Dewburd Sub02	6/18/08	13:10	W						set 6 Triangle Pit	003
4	Dewburd Sub03	6/18/08	14:15	W						set 3 N. cluster pond	004
5											
6											
7											
8											
9											
10											

Custody Record MUST be Signed

Relinquished by (print): Eric Krantz	Date/Time: 6/19/08 11:00	Signature:	Received by (print): Steve Froiland
Relinquished by (print):	Date/Time:	Signature:	Received by (print):
Sample Disposal: Return to Client: _____ Lab Disposal: _____			Received by Laboratory:

Date/Time: 6-19-08 1110 Signature: Steve Froiland

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

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ANALYTICAL SUMMARY REPORT

August 21, 2008

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

Workorder No.: R08060403 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 6 samples from RESPEC Inc on 6/24/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08060403-001	DewBurd SUB08	06/23/08 12:20	06/24/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08060403-002	DewBurd SUB09	06/23/08 12:50	06/24/08	Aqueous	Same As Above
R08060403-003	DewBurd SUB06	06/23/08 13:45	06/24/08	Aqueous	Same As Above

R08060403-004	DewBurd SUB07	06/23/08 14:30 06/24/08	Aqueous	Same As Above
R08060403-005	DewBurd SUB11	06/23/08 15:10 06/24/08	Aqueous	Same As Above
R08060403-006	DewBurd SUB10	06/23/08 16:25 06/24/08	Aqueous	Same As Above

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

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

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

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Date: *21-Aug-08*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08060403

CASE NARRATIVE

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

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

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

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

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

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

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08061335
ANALYTICAL COMMENTS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.
End of comments imported for SUBBED Workorder: C08061335

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-001
Client Sample ID: DewBurd SUB08

Report Date: 08/21/08
Collection Date: 06/23/08 12:20
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	12	CFU/100ml	D	2		2	A9222 D	06/24/08 11:05/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	130	mg/L		5		1	A2320 B	06/25/08 11:22/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 11:22/mb
Bicarbonate as HCO3	149	mg/L		5		1	A2320 B	06/25/08 11:22/mb
Calcium	79.4	mg/L		0.5		2	E200.7	07/01/08 22:07/eli-c
Chloride	14	mg/L		1		1	E300.0	06/25/08 11:51/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	06/25/08 11:51/jmh
Magnesium	31.5	mg/L		0.5		2	E200.7	07/01/08 22:07/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:12/ch
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	06/25/08 11:51/jmh
Potassium	11	mg/L		1		2	E200.7	07/01/08 22:07/eli-c
Silica	ND	mg/L		0.5		2	E200.7	07/01/08 22:07/eli-c
Sodium	304	mg/L	D	2		2	E200.7	07/01/08 22:07/eli-c
Sulfate	747	mg/L	D	3		50	E300.0	06/25/08 11:35/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1800	umhos/cm		5.0		1	A2510 B	06/25/08 14:29/tb
pH	8.92	s.u.		0.01		1	A4500-H B	06/25/08 13:57/tb
Sodium Adsorption Ratio (SAR)	7.3	unitless		0.10		1	Calculation	08/21/08 15:16/ADM
Solids, Suspended Sediment SSC @ 105 C	13	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	1300	mg/L		5		1	A2540 C	06/27/08 11:45/mb
Solids, Total Suspended TSS @ 105 C	7	mg/L		5		1	A2540 D	06/27/08 17:06/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	07/01/08 22:07/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	07/07/08 15:30/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/01/08 22:07/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	07/01/08 22:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/07/08 15:30/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/01/08 22:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/07/08 15:30/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	07/01/08 22:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/07/08 15:30/eli-c
Manganese	0.01	mg/L		0.01		2	E200.7	07/01/08 22:07/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/07/08 15:30/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/01/08 22:07/eli-c
Nickel	ND	mg/L		0.01		2	E200.7	07/01/08 22:07/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-001
Client Sample ID: DewBurd SUB08

Report Date: 08/21/08
Collection Date: 06/23/08 12:20
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 15:30/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/07/08 15:30/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	07/07/08 15:30/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/01/08 22:07/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/01/08 22:07/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/11/08 15:30/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/11/08 15:30/eli-c
METALS - TOTAL								
Aluminum	0.3	mg/L		0.1		2	E200.7	07/08/08 00:19/eli-c
Arsenic	0.004	mg/L		0.001		10	E200.8	07/07/08 17:32/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 00:19/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	07/08/08 00:19/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/07/08 17:32/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 00:19/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/24/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	08/21/08 00:00/lkl
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 00:19/eli-c
Iron	0.53	mg/L		0.03		2	E200.7	07/08/08 00:19/eli-c
Lead	0.013	mg/L	D	0.007		10	E200.8	07/07/08 17:32/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	07/08/08 00:19/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 00:19/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 00:19/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 17:32/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	07/07/08 17:32/eli-c
Uranium	0.0016	mg/L		0.0003		10	E200.8	07/07/08 17:32/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	07/08/08 00:19/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	07/08/08 00:19/eli-c
Calcium	83.1	mg/L		0.5		2	E200.7	07/08/08 00:19/eli-c
Magnesium	33.5	mg/L		0.5		2	E200.7	07/08/08 00:19/eli-c
Potassium	11.5	mg/L		0.5		2	E200.7	07/08/08 00:19/eli-c
Silica	0.8	mg/L		0.5		2	E200.7	07/08/08 00:19/eli-c
Sodium	324	mg/L	D	1		2	E200.7	07/08/08 00:19/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 15:50/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 12:50/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-001
Client Sample ID: DewBurd SUB08

Report Date: 08/21/08
Collection Date: 06/23/08 12:20
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 15:10/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:30/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	1.9	pCi/L	U			1	E909.0M	07/10/08 10:10/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Lead 210 precision (±)	5.4	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	0.30	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	07/09/08 09:54/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/22/08 11:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/22/08 11:26/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.4	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	0.2	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.31	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
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 (±)	0.2	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	14.1	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	4.1	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	5.1	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	11.9	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	3.4	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	5.3	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	07/14/08 11:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-001
Client Sample ID: DewBurd SUB08

Report Date: 08/21/08
Collection Date: 06/23/08 12:20
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	5.3	pCi/L	U	1.0		1	E909.0M	08/21/08 13:47/eli-c
Lead 210 precision (±)	7.0	pCi/L				1	E909.0M	08/21/08 13:47/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	08/21/08 13:47/eli-c
Polonium 210 precision (±)	0.43	pCi/L				1	RMO-3008	08/21/08 13:47/eli-c
Radium 226	-0.52	pCi/L	U	0.2		1	E903.0	08/21/08 13:47/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/21/08 13:47/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	08/21/08 13:47/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/21/08 13:47/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:05/eli-b
DATA QUALITY								
A/C Balance (± 5)	3.86	%				1	A1030 E	08/21/08 00:00/lkl
Anions	18.6	meq/L				1	A1030 E	08/21/08 00:00/lkl
Cations	20.1	meq/L				1	A1030 E	08/21/08 00:00/lkl
Solids, Total Dissolved Calculated	1270	mg/L				1	A1030 E	08/21/08 00:00/lkl
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	08/21/08 00:00/lkl

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-002
Client Sample ID: DewBurd SUB09

Report Date: 08/21/08
Collection Date: 06/23/08 12:50
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	190	CFU/100ml	D	10		10	A9222 D	06/24/08 11:05/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	80	mg/L		5		1	A2320 B	06/25/08 11:27/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 11:27/mb
Bicarbonate as HCO3	98	mg/L		5		1	A2320 B	06/25/08 11:27/mb
Calcium	17.4	mg/L		0.5		2	E200.7	07/01/08 22:15/eli-c
Chloride	4	mg/L		1		1	E300.0	06/25/08 12:24/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	06/25/08 12:24/jmh
Magnesium	10.3	mg/L		0.5		2	E200.7	07/01/08 22:15/eli-c
Nitrogen, Ammonia as N	0.8	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:16/ch
Nitrogen, Nitrate as N	0.3	mg/L		0.1		1	E300.0	06/25/08 12:24/jmh
Potassium	13	mg/L		1		2	E200.7	07/01/08 22:15/eli-c
Silica	5.9	mg/L		0.5		2	E200.7	07/01/08 22:15/eli-c
Sodium	9	mg/L	D	2		2	E200.7	07/01/08 22:15/eli-c
Sulfate	28	mg/L		1		1	E300.0	06/25/08 12:24/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	249	umhos/cm		5.0		1	A2510 B	06/25/08 14:29/tb
pH	7.40	s.u.		0.01		1	A4500-H B	06/25/08 13:58/tb
Sodium Adsorption Ratio (SAR)	0.42	unitless		0.10		1	Calculation	08/21/08 15:16/ADM
Solids, Suspended Sediment SSC @ 105 C	425	mg/L		5		1	D3977	06/30/08 15:48/mb
Solids, Total Dissolved TDS @ 180 C	280	mg/L		5		1	A2540 C	08/20/08 00:00/mb
Solids, Total Suspended TSS @ 105 C	190	mg/L		5		1	A2540 D	06/27/08 17:06/mb
TDS value was reconfirmed								
METALS - DISSOLVED								
Aluminum	0.2	mg/L		0.1		2	E200.7	07/01/08 22:15/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/07/08 15:37/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/01/08 22:15/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	07/01/08 22:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/07/08 15:37/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/01/08 22:15/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/07/08 15:37/eli-c
Iron	0.21	mg/L		0.03		2	E200.7	07/01/08 22:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/07/08 15:37/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	07/01/08 22:15/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/07/08 15:37/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/01/08 22:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-002
Client Sample ID: DewBurd SUB09

Report Date: 08/21/08
Collection Date: 06/23/08 12:50
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	07/01/08 22:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 15:37/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/07/08 15:37/eli-c
Uranium	0.0056	mg/L		0.0003		1	E200.8	07/07/08 15:37/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/01/08 22:15/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/01/08 22:15/eli-c
METALS - SUSPENDED								
Thorium 232	0.005	mg/L		0.001		1	E200.8	07/11/08 15:36/eli-c
Uranium	0.0010	mg/L		0.0003		1	E200.8	07/11/08 15:36/eli-c
METALS - TOTAL								
Aluminum	42.8	mg/L		0.1		2	E200.7	07/08/08 00:23/eli-c
Arsenic	0.017	mg/L		0.001		10	E200.8	07/07/08 17:39/eli-c
Barium	0.2	mg/L		0.1		2	E200.7	07/08/08 00:23/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/08/08 00:23/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/07/08 17:39/eli-c
Chromium	0.05	mg/L		0.05		2	E200.7	07/08/08 00:23/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/24/08 00:00/mb
Chromium, Trivalent	0.05	mg/L		0.01		1	Calculation	08/21/08 00:00/lkl
Copper	0.02	mg/L		0.01		2	E200.7	07/08/08 00:23/eli-c
Iron	37.0	mg/L		0.03		2	E200.7	07/08/08 00:23/eli-c
Lead	0.045	mg/L	D	0.007		10	E200.8	07/07/08 17:39/eli-c
Manganese	0.23	mg/L		0.01		2	E200.7	07/08/08 00:23/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 00:23/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 00:23/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 17:39/eli-c
Thorium 232	0.010	mg/L		0.005		10	E200.8	07/07/08 17:39/eli-c
Uranium	0.0023	mg/L		0.0003		10	E200.8	07/07/08 17:39/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	07/08/08 00:23/eli-c
Zinc	0.11	mg/L		0.01		2	E200.7	07/08/08 00:23/eli-c
Calcium	22.6	mg/L		0.5		2	E200.7	07/08/08 00:23/eli-c
Magnesium	18.3	mg/L		0.5		2	E200.7	07/08/08 00:23/eli-c
Potassium	24.9	mg/L		0.5		2	E200.7	07/08/08 00:23/eli-c
Silica	73.4	mg/L		0.5		2	E200.7	07/08/08 00:23/eli-c
Sodium	9	mg/L	D	1		2	E200.7	07/08/08 00:23/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 15:56/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-002
Client Sample ID: DewBurd SUB09

Report Date: 08/21/08
Collection Date: 06/23/08 12:50
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 12:58/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.002	mg/L		0.001		1	A3114 B	07/22/08 15:16/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:36/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	-0.9	pCi/L	U			1	E909.0M	07/10/08 10:10/eli-c
Lead 210 MDC	8.6	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Lead 210 precision (±)	5.1	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	0.1	pCi/L	U			1	E903.0	07/09/08 09:54/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/22/08 11:26/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	07/22/08 11:26/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.5	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	0.9	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.59	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.06	pCi/L	U			1	E903.0	07/15/08 23:30/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.4	pCi/L		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								
Gross Alpha	15.9	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	2.0	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	1.7	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	20.6	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	1.9	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	2.6	pCi/L				1	E900.0	07/19/08 01:30/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-002
Client Sample ID: DewBurd SUB09

Report Date: 08/21/08
Collection Date: 06/23/08 12:50
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	07/14/08 11:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	3.6	pCi/L	U	1.0		1	E909.0M	08/21/08 13:47/eli-c
Lead 210 precision (±)	6.8	pCi/L				1	E909.0M	08/21/08 13:47/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	08/21/08 13:47/eli-c
Polonium 210 precision (±)	0.72	pCi/L				1	RMO-3008	08/21/08 13:47/eli-c
Radium 226	0.04	pCi/L	U	0.2		1	E903.0	08/21/08 13:47/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/21/08 13:47/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	08/21/08 13:47/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	08/21/08 13:47/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:12/eli-b
DATA QUALITY								
A/C Balance (± 5)	3.63	%				1	A1030 E	08/21/08 00:00/lkl
Anions	2.36	meq/L				1	A1030 E	08/21/08 00:00/lkl
Cations	2.54	meq/L				1	A1030 E	08/21/08 00:00/lkl
Solids, Total Dissolved Calculated	149	mg/L				1	A1030 E	08/21/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.87					1	A1030 E	08/21/08 00:00/lkl

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-003
Client Sample ID: DewBurd SUB06

Report Date: 08/21/08
Collection Date: 06/23/08 13:45
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	06/24/08 11:05/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	06/25/08 11:30/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 11:30/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	06/25/08 11:30/mb
Calcium	328	mg/L		0.5		2	E200.7	07/01/08 22:19/eli-c
Chloride	5	mg/L		1		1	E300.0	06/25/08 12:57/jmh
Fluoride	3.9	mg/L		0.1		1	E300.0	06/25/08 12:57/jmh
Magnesium	436	mg/L		0.5		2	E200.7	07/01/08 22:19/eli-c
Nitrogen, Ammonia as N	2.0	mg/L		0.1		2	A4500-NH3 G	06/25/08 16:28/ch
Nitrogen, Nitrate as N	0.6	mg/L		0.1		1	E300.0	06/25/08 12:57/jmh
Potassium	17	mg/L		1		2	E200.7	07/01/08 22:19/eli-c
Silica	10.2	mg/L		0.5		2	E200.7	07/01/08 22:19/eli-c
Sodium	52	mg/L	D	2		2	E200.7	07/01/08 22:19/eli-c
Sulfate	3180	mg/L	D	3		50	E300.0	06/25/08 12:40/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4110	umhos/cm		5.0		1	A2510 B	06/25/08 14:31/tb
pH	3.52	s.u.		0.01		1	A4500-H B	06/25/08 13:59/tb
Sodium Adsorption Ratio (SAR)	0.44	unitless		0.10		1	Calculation	08/21/08 15:16/ADM
Solids, Suspended Sediment SSC @ 105 C	8	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	4500	mg/L		5		1	A2540 C	06/27/08 11:46/mb
Solids, Total Suspended TSS @ 105 C	14	mg/L		5		1	A2540 D	06/27/08 17:07/mb
METALS - DISSOLVED								
Aluminum	64.4	mg/L		0.1		2	E200.7	07/01/08 22:19/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	07/07/08 15:44/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/01/08 22:19/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/01/08 22:19/eli-c
Cadmium	0.015	mg/L		0.005		1	E200.8	07/07/08 15:44/eli-c
Chromium	0.01	mg/L		0.01		2	E200.7	07/01/08 22:19/eli-c
Copper	0.07	mg/L		0.01		2	E200.7	07/01/08 22:19/eli-c
Iron	1.88	mg/L		0.03		2	E200.7	07/01/08 22:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/07/08 15:44/eli-c
Manganese	133	mg/L		0.01		20	E200.7	07/15/08 12:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/07/08 15:44/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/01/08 22:19/eli-c
Nickel	3.01	mg/L		0.01		2	E200.7	07/01/08 22:19/eli-c

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ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-003
Client Sample ID: DewBurd SUB06

Report Date: 08/21/08
Collection Date: 06/23/08 13:45
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 15:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/07/08 15:44/eli-c
Uranium	3.22	mg/L		0.0003		1	E200.8	07/07/08 15:44/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/01/08 22:19/eli-c
Zinc	2.99	mg/L		0.01		2	E200.7	07/01/08 22:19/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/11/08 15:43/eli-c
Uranium	0.0015	mg/L		0.0003		1	E200.8	07/11/08 15:43/eli-c
METALS - TOTAL								
Aluminum	62.8	mg/L		0.1		2	E200.7	07/08/08 00:27/eli-c
Arsenic	0.002	mg/L		0.001		10	E200.8	07/07/08 18:06/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 00:27/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/08/08 00:27/eli-c
Cadmium	0.019	mg/L		0.005		10	E200.8	07/07/08 18:06/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 00:27/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/24/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	08/21/08 00:00/lkl
Copper	0.06	mg/L		0.01		2	E200.7	07/08/08 00:27/eli-c
Iron	2.19	mg/L		0.03		2	E200.7	07/08/08 00:27/eli-c
Lead	0.011	mg/L	D	0.007		10	E200.8	07/07/08 18:06/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	07/11/08 18:38/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 00:27/eli-c
Nickel	3.03	mg/L		0.05		2	E200.7	07/08/08 00:27/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 18:06/eli-c
Thorium 232	0.005	mg/L		0.005		10	E200.8	07/07/08 18:06/eli-c
Uranium	3.61	mg/L		0.0003		10	E200.8	07/07/08 18:06/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/08/08 00:27/eli-c
Zinc	2.92	mg/L		0.01		2	E200.7	07/08/08 00:27/eli-c
Calcium	330	mg/L		0.5		2	E200.7	07/08/08 00:27/eli-c
Magnesium	439	mg/L		0.5		2	E200.7	07/08/08 00:27/eli-c
Potassium	17.7	mg/L		0.5		2	E200.7	07/08/08 00:27/eli-c
Silica	11.4	mg/L		0.5		2	E200.7	07/08/08 00:27/eli-c
Sodium	54	mg/L	D	1		2	E200.7	07/08/08 00:27/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	0.009	mg/L		0.005		1	A3114 B	07/19/08 15:58/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:00/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.

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-003
Client Sample ID: DewBurd SUB06

Report Date: 08/21/08
Collection Date: 06/23/08 13:45
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	0.009	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
METALS - TOTAL - SPECIATED								
Selenium	0.008	mg/L		0.001		1	A3114 B	07/22/08 15:18/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:38/eli-c
Selenium-VI	0.008	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	-0.6	pCi/L	U			1	E909.0M	07/10/08 10:10/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	2.2	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Thorium 230	6.3	pCi/L		0.2		1	E907.0	07/24/08 15:44/eli-c
Thorium 230 precision (±)	2.0	pCi/L				1	E907.0	07/24/08 15:44/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.7	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	0.4	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	08/18/08 17:00/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	07/15/08 23:30/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.2	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								
Gross Alpha	3570	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha precision (±)	82.4	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Alpha MDC	16.6	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta	1200	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta precision (±)	24.5	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Beta MDC	17.5	pCi/L				1	E900.0	07/19/08 01:30/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	07/14/08 11:00/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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-003
Client Sample ID: DewBurd SUB06

Report Date: 08/21/08
Collection Date: 06/23/08 13:45
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	3.1	pCi/L	U	1.0		1	E909.0M	08/21/08 13:47/eli-c
Lead 210 precision (±)	6.9	pCi/L				1	E909.0M	08/21/08 13:47/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	08/21/08 13:47/eli-c
Polonium 210 precision (±)	0.72	pCi/L				1	RMO-3008	08/21/08 13:47/eli-c
Radium 226	2.0	pCi/L		0.2		1	E903.0	08/21/08 13:47/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	08/21/08 13:47/eli-c
Thorium 230	6.5	pCi/L		0.2		1	E907.0	08/21/08 13:47/eli-c
Thorium 230 precision (±)	2.0	pCi/L				1	E907.0	08/21/08 13:47/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:14/eli-b
DATA QUALITY								
A/C Balance (± 5)	3.85	%				1	A1030 E	08/21/08 00:00/lkl
Anions	66.6	meq/L				1	A1030 E	08/21/08 00:00/lkl
Cations	72.0	meq/L				1	A1030 E	08/21/08 00:00/lkl
Solids, Total Dissolved Calculated	4050	mg/L				1	A1030 E	08/21/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.12					1	A1030 E	08/21/08 00:00/lkl

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MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-004
Client Sample ID: DewBurd SUB07

Report Date: 08/21/08
Collection Date: 06/23/08 14:30
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	ND	CFU/100ml	D	2		2	A9222 D	06/24/08 11:05/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	06/25/08 12:07/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 12:07/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	06/25/08 12:07/mb
Calcium	21.6	mg/L		0.5		2	E200.7	07/01/08 22:23/eli-c
Chloride	2	mg/L		1		1	E300.0	06/25/08 14:35/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	06/25/08 14:35/jmh
Magnesium	12.2	mg/L		0.5		2	E200.7	07/01/08 22:23/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:18/ch
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	06/25/08 14:35/jmh
Potassium	10	mg/L		1		2	E200.7	07/01/08 22:23/eli-c
Silica	2.8	mg/L		0.5		2	E200.7	07/01/08 22:23/eli-c
Sodium	2	mg/L	D	2		2	E200.7	07/01/08 22:23/eli-c
Sulfate	169	mg/L	D	3		50	E300.0	06/25/08 13:46/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	283	umhos/cm		5.0		1	A2510 B	06/25/08 14:31/tb
pH	4.97	s.u.		0.01		1	A4500-H B	06/25/08 14:00/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	08/21/08 15:16/ADM
Solids, Suspended Sediment SSC @ 105 C	26	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	180	mg/L		5		1	A2540 C	06/27/08 11:46/mb
Solids, Total Suspended TSS @ 105 C	32	mg/L		5		1	A2540 D	06/27/08 17:08/mb
METALS - DISSOLVED								
Aluminum	0.1	mg/L		0.1		2	E200.7	07/01/08 22:23/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/07/08 15:50/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/01/08 22:23/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/01/08 22:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/07/08 15:50/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/01/08 22:23/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/07/08 15:50/eli-c
Iron	0.11	mg/L		0.03		2	E200.7	07/01/08 22:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/07/08 15:50/eli-c
Manganese	1.98	mg/L		0.01		2	E200.7	07/01/08 22:23/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/07/08 15:50/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/01/08 22:23/eli-c
Nickel	0.03	mg/L		0.01		2	E200.7	07/01/08 22:23/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-004
Client Sample ID: DewBurd SUB07

Report Date: 08/21/08
Collection Date: 06/23/08 14:30
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 15:50/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/07/08 15:50/eli-c
Uranium	0.0024	mg/L		0.0003		1	E200.8	07/07/08 15:50/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/01/08 22:23/eli-c
Zinc	0.04	mg/L		0.01		2	E200.7	07/01/08 22:23/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/11/08 15:49/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/11/08 15:49/eli-c
METALS - TOTAL								
Aluminum	0.8	mg/L		0.1		2	E200.7	07/08/08 00:31/eli-c
Arsenic	0.002	mg/L		0.001		10	E200.8	07/07/08 18:13/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 00:31/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 00:31/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/07/08 18:13/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 00:31/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/24/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	08/21/08 00:00/lkl
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 00:31/eli-c
Iron	1.47	mg/L		0.03		2	E200.7	07/08/08 00:31/eli-c
Lead	0.013	mg/L	D	0.007		10	E200.8	07/07/08 18:13/eli-c
Manganese	2.03	mg/L		0.01		2	E200.7	07/08/08 00:31/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 00:31/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 00:31/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 18:13/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	07/07/08 18:13/eli-c
Uranium	0.0006	mg/L		0.0003		10	E200.8	07/07/08 18:13/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	07/08/08 00:31/eli-c
Zinc	0.02	mg/L		0.01		2	E200.7	07/08/08 00:31/eli-c
Calcium	22.6	mg/L		0.5		2	E200.7	07/08/08 00:31/eli-c
Magnesium	12.7	mg/L		0.5		2	E200.7	07/08/08 00:31/eli-c
Potassium	10.7	mg/L		0.5		2	E200.7	07/08/08 00:31/eli-c
Silica	4.9	mg/L		0.5		2	E200.7	07/08/08 00:31/eli-c
Sodium	2	mg/L	D	1		2	E200.7	07/08/08 00:31/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 16:00/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:02/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-004
Client Sample ID: DewBurd SUB07

Report Date: 08/21/08
Collection Date: 06/23/08 14:30
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 15:20/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:40/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	-1.4	pCi/L	U			1	E909.0M	07/10/08 10:10/eli-c
Lead 210 MDC	9.0	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	-0.02	pCi/L	U			1	E903.0	07/09/08 09:54/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/09/08 09:54/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
RADIONUCLIDES - SUSPENDED								
Lead 210	0.6	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	0.9	pCi/L	U	1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.55	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
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	07/10/08 19:50/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/10/08 19:50/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	5.8	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Alpha precision (±)	1.1	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Alpha MDC	1.2	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Beta	12.1	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Beta precision (±)	1.7	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Beta MDC	2.5	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	07/14/08 11:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-004
Client Sample ID: DewBurd SUB07

Report Date: 08/21/08
Collection Date: 06/23/08 14:30
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	-0.8	pCi/L	U	1.0		1	E909.0M	08/21/08 13:47/eli-c
Lead 210 precision (±)	6.9	pCi/L				1	E909.0M	08/21/08 13:47/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	08/21/08 13:47/eli-c
Polonium 210 precision (±)	0.74	pCi/L				1	RMO-3008	08/21/08 13:47/eli-c
Radium 226	-0.38	pCi/L	U	0.2		1	E903.0	08/21/08 13:47/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/21/08 13:47/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	08/21/08 13:47/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/21/08 13:47/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:17/eli-b
DATA QUALITY								
A/C Balance (± 5)	-16.2	%				1	A1030 E	08/21/08 00:00/lkl
Anions	3.59	meq/L				1	A1030 E	08/21/08 00:00/lkl
Cations	2.59	meq/L				1	A1030 E	08/21/08 00:00/lkl
Solids, Total Dissolved Calculated	225	mg/L				1	A1030 E	08/21/08 00:00/lkl
TDS Balance (0.80 - 1.20)	0.780					1	A1030 E	08/21/08 00:00/lkl

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-005
Client Sample ID: DewBurd SUB11

Report Date: 08/21/08
Collection Date: 06/23/08 15:10
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	20	CFU/100ml	D	20		20	A9222 D	06/24/08 11:05/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	6	mg/L		5		1	A2320 B	06/25/08 12:10/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 12:10/mb
Bicarbonate as HCO3	7	mg/L		5		1	A2320 B	06/25/08 12:10/mb
Calcium	11.2	mg/L		0.5		2	E200.7	07/01/08 22:27/eli-c
Chloride	ND	mg/L		1		1	E300.0	06/25/08 15:08/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	06/25/08 15:08/jmh
Magnesium	3.2	mg/L		0.5		2	E200.7	07/01/08 22:27/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:21/ch
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	06/25/08 15:08/jmh
Potassium	6	mg/L		1		2	E200.7	07/01/08 22:27/eli-c
Silica	2.6	mg/L		0.5		2	E200.7	07/01/08 22:27/eli-c
Sodium	3	mg/L	D	2		2	E200.7	07/01/08 22:27/eli-c
Sulfate	43	mg/L		1		1	E300.0	06/25/08 15:08/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	131	umhos/cm		5.0		1	A2510 B	06/25/08 14:32/tb
pH	5.96	s.u.		0.01		1	A4500-H B	06/25/08 14:01/tb
Sodium Adsorption Ratio (SAR)	0.19	unitless		0.10		1	Calculation	08/21/08 15:16/ADM
Solids, Suspended Sediment SSC @ 105 C	189	mg/L		5		1	D3977	06/27/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	200	mg/L		5		1	A2540 C	06/27/08 11:47/mb
Solids, Total Suspended TSS @ 105 C	74	mg/L		5		1	A2540 D	06/27/08 17:08/mb
METALS - DISSOLVED								
Aluminum	0.3	mg/L		0.1		2	E200.7	07/01/08 22:27/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	07/07/08 15:57/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/01/08 22:27/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/01/08 22:27/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/07/08 15:57/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/01/08 22:27/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/07/08 15:57/eli-c
Iron	0.72	mg/L		0.03		2	E200.7	07/01/08 22:27/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/07/08 15:57/eli-c
Manganese	0.74	mg/L		0.01		2	E200.7	07/01/08 22:27/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/07/08 15:57/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/01/08 22:27/eli-c
Nickel	ND	mg/L		0.01		2	E200.7	07/01/08 22:27/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-005
Client Sample ID: DewBurd SUB11

Report Date: 08/21/08
Collection Date: 06/23/08 15:10
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 15:57/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/07/08 15:57/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/07/08 15:57/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/01/08 22:27/eli-c
Zinc	0.03	mg/L		0.01		2	E200.7	07/01/08 22:27/eli-c
METALS - SUSPENDED								
Thorium 232	ND	mg/L		0.001		1	E200.8	07/11/08 15:56/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/11/08 15:56/eli-c
METALS - TOTAL								
Aluminum	9.6	mg/L		0.1		2	E200.7	07/08/08 00:36/eli-c
Arsenic	0.005	mg/L		0.001		10	E200.8	07/07/08 18:19/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/08/08 00:36/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/08/08 00:36/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/07/08 18:19/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	07/08/08 00:36/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/24/08 00:00/mb
Chromium, Trivalent	ND	mg/L		0.01		1	Calculation	08/21/08 00:00/lkl
Copper	ND	mg/L		0.01		2	E200.7	07/08/08 00:36/eli-c
Iron	21.4	mg/L		0.03		2	E200.7	07/08/08 00:36/eli-c
Lead	0.021	mg/L	D	0.007		10	E200.8	07/07/08 18:19/eli-c
Manganese	0.91	mg/L		0.01		2	E200.7	07/08/08 00:36/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 00:36/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 00:36/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 18:19/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	07/07/08 18:19/eli-c
Uranium	0.0008	mg/L		0.0003		10	E200.8	07/07/08 18:19/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	07/08/08 00:36/eli-c
Zinc	0.03	mg/L		0.01		2	E200.7	07/08/08 00:36/eli-c
Calcium	12.3	mg/L		0.5		2	E200.7	07/08/08 00:36/eli-c
Magnesium	4.3	mg/L		0.5		2	E200.7	07/08/08 00:36/eli-c
Potassium	9.0	mg/L		0.5		2	E200.7	07/08/08 00:36/eli-c
Silica	20.1	mg/L		0.5		2	E200.7	07/08/08 00:36/eli-c
Sodium	2	mg/L	D	1		2	E200.7	07/08/08 00:36/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 16:02/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:04/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-005
Client Sample ID: DewBurd SUB11

Report Date: 08/21/08
Collection Date: 06/23/08 15:10
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 15:22/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:42/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	3.2	pCi/L	U			1	E909.0M	07/10/08 10:10/eli-c
Lead 210 MDC	9.2	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Lead 210 precision (±)	5.5	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	07/09/08 09:54/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/09/08 09:54/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	07/22/08 11:26/eli-c
Thorium 230 precision (±)	0.08	pCi/L				1	E907.0	07/22/08 11:26/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	5.0	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	1.1	pCi/L		1.0		1	RMO-3008	08/18/08 17:00/eli-c
Polonium 210 precision (±)	0.67	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
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	0.1	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								
Gross Alpha	9.4	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Alpha precision (±)	1.3	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Alpha MDC	1.2	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Beta	10.4	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Beta precision (±)	1.7	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Beta MDC	2.5	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	07/14/08 11:00/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-005
Client Sample ID: DewBurd SUB11

Report Date: 08/21/08
Collection Date: 06/23/08 15:10
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	8.2	pCi/L	U	1.0		1	E909.0M	08/21/08 13:47/eli-c
Lead 210 precision (±)	7.1	pCi/L				1	E909.0M	08/21/08 13:47/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	08/21/08 13:47/eli-c
Polonium 210 precision (±)	0.83	pCi/L				1	RMO-3008	08/21/08 13:47/eli-c
Radium 226	-0.51	pCi/L	U	0.2		1	E903.0	08/21/08 13:47/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/21/08 13:47/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	08/21/08 13:47/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/21/08 13:47/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:19/eli-b
DATA QUALITY								
A/C Balance (± 5)	7.71	%				1	A1030 E	08/21/08 00:00/lkl
Anions	1.05	meq/L				1	A1030 E	08/21/08 00:00/lkl
Cations	1.23	meq/L				1	A1030 E	08/21/08 00:00/lkl
Solids, Total Dissolved Calculated	79.0	mg/L				1	A1030 E	08/21/08 00:00/lkl
TDS Balance (0.80 - 1.20)	2.56					1	A1030 E	08/21/08 00:00/lkl

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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-006
Client Sample ID: DewBurd SUB10

Report Date: 08/21/08
Collection Date: 06/23/08 16:25
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	170	CFU/100ml	D	10		10	A9222 D	06/24/08 11:05/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	38	mg/L		5		1	A2320 B	06/25/08 12:22/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/25/08 12:22/mb
Bicarbonate as HCO3	46	mg/L		5		1	A2320 B	06/25/08 12:22/mb
Calcium	34.0	mg/L		0.5		2	E200.7	07/01/08 22:32/eli-c
Chloride	3	mg/L		1		1	E300.0	06/25/08 15:41/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	06/25/08 15:41/jmh
Magnesium	14.5	mg/L		0.5		2	E200.7	07/01/08 22:32/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	06/25/08 15:23/ch
Nitrogen, Nitrate as N	0.6	mg/L		0.1		1	E300.0	06/25/08 15:41/jmh
Potassium	13	mg/L		1		2	E200.7	07/01/08 22:32/eli-c
Silica	4.3	mg/L		0.5		2	E200.7	07/01/08 22:32/eli-c
Sodium	19	mg/L	D	2		2	E200.7	07/01/08 22:32/eli-c
Sulfate	135	mg/L		1		10	E300.0	06/25/08 15:24/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	419	umhos/cm		5.0		1	A2510 B	06/25/08 14:34/tb
pH	6.96	s.u.		0.01		1	A4500-H B	06/25/08 14:03/tb
Sodium Adsorption Ratio (SAR)	0.70	unitless		0.10		1	Calculation	08/21/08 15:16/ADM
Solids, Suspended Sediment SSC @ 105 C	737	mg/L		5		1	D3977	06/30/08 15:54/mb
Solids, Total Dissolved TDS @ 180 C	410	mg/L		5		1	A2540 C	08/20/08 00:00/mb
Solids, Total Suspended TSS @ 105 C	220	mg/L		5		1	A2540 D	06/27/08 17:08/mb
TDS value was reconfirmed								
METALS - DISSOLVED								
Aluminum	0.3	mg/L		0.1		2	E200.7	07/01/08 22:32/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	07/07/08 16:04/eli-c
Barium	ND	mg/L		0.1		2	E200.7	07/01/08 22:32/eli-c
Boron	ND	mg/L		0.1		2	E200.7	07/01/08 22:32/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	07/07/08 16:04/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	07/01/08 22:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	07/07/08 16:04/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	07/01/08 22:32/eli-c
Lead	ND	mg/L		0.001		1	E200.8	07/07/08 16:04/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	07/01/08 22:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	07/07/08 16:04/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/01/08 22:32/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-006
Client Sample ID: DewBurd SUB10

Report Date: 08/21/08
Collection Date: 06/23/08 16:25
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Nickel	ND	mg/L		0.01		2	E200.7	07/01/08 22:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	07/07/08 16:04/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	07/07/08 16:04/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	07/07/08 16:04/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/01/08 22:32/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	07/01/08 22:32/eli-c
METALS - SUSPENDED								
Thorium 232	0.005	mg/L		0.001		1	E200.8	07/11/08 16:23/eli-c
Uranium	0.0008	mg/L		0.0003		1	E200.8	07/11/08 16:23/eli-c
METALS - TOTAL								
Aluminum	35.0	mg/L		0.1		2	E200.7	07/08/08 00:40/eli-c
Arsenic	0.010	mg/L		0.001		10	E200.8	07/07/08 18:26/eli-c
Barium	0.1	mg/L		0.1		2	E200.7	07/08/08 00:40/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	07/08/08 00:40/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	07/07/08 18:26/eli-c
Chromium	0.05	mg/L		0.05		2	E200.7	07/08/08 00:40/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	06/24/08 00:00/mb
Chromium, Trivalent	0.05	mg/L		0.01		1	Calculation	08/21/08 00:00/lkl
Copper	0.02	mg/L		0.01		2	E200.7	07/08/08 00:40/eli-c
Iron	33.7	mg/L		0.03		2	E200.7	07/08/08 00:40/eli-c
Lead	0.039	mg/L	D	0.007		10	E200.8	07/07/08 18:26/eli-c
Manganese	0.35	mg/L		0.01		2	E200.7	07/08/08 00:40/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/08/08 00:40/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	07/08/08 00:40/eli-c
Silver	ND	mg/L		0.005		10	E200.8	07/07/08 18:26/eli-c
Thorium 232	0.015	mg/L		0.005		10	E200.8	07/07/08 18:26/eli-c
Uranium	0.0022	mg/L		0.0003		10	E200.8	07/07/08 18:26/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	07/08/08 00:40/eli-c
Zinc	0.09	mg/L		0.01		2	E200.7	07/08/08 00:40/eli-c
Calcium	39.6	mg/L		0.5		2	E200.7	07/08/08 00:40/eli-c
Magnesium	20.6	mg/L		0.5		2	E200.7	07/08/08 00:40/eli-c
Potassium	23.1	mg/L		0.5		2	E200.7	07/08/08 00:40/eli-c
Silica	64.6	mg/L		0.5		2	E200.7	07/08/08 00:40/eli-c
Sodium	19	mg/L	D	1		2	E200.7	07/08/08 00:40/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	07/19/08 16:04/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-006
Client Sample ID: DewBurd SUB10

Report Date: 08/21/08
Collection Date: 06/23/08 16:25
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/19/08 13:06/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/19/08 14:40/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	07/22/08 15:29/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	07/22/08 11:49/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	07/22/08 15:44/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	0.1	pCi/L	U			1	E909.0M	07/10/08 10:10/eli-c
Lead 210 MDC	9.1	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Lead 210 precision (±)	5.5	pCi/L				1	E909.0M	07/10/08 10:10/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	07/10/08 21:30/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	07/10/08 21:30/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	07/09/08 12:50/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	07/09/08 12:50/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	07/09/08 12:50/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	07/22/08 11:26/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	07/22/08 11:26/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	5.2	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	1.1	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	0.6	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	07/15/08 23:30/eli-c
Thorium 230	0.3	pCi/L		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								
Gross Alpha	16.3	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Alpha precision (±)	2.0	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Alpha MDC	1.6	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Beta	22.1	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Beta precision (±)	1.9	pCi/L				1	E900.0	07/19/08 01:29/eli-c
Gross Beta MDC	2.6	pCi/L				1	E900.0	07/19/08 01:29/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08060403-006
Client Sample ID: DewBurd SUB10

Report Date: 08/21/08
Collection Date: 06/23/08 16:25
Date Received: 06/24/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma	0.0	pCi/L	U	20.0		1	E901.1	07/14/08 11:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	07/14/08 11:00/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	5.3	pCi/L	U	1.0		1	E909.0M	08/21/08 13:47/eli-c
Lead 210 precision (±)	7.1	pCi/L				1	E909.0M	08/21/08 13:47/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	08/21/08 13:47/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	08/21/08 13:47/eli-c
Radium 226	0.8	pCi/L		0.2		1	E903.0	08/21/08 13:47/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/21/08 13:47/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	08/21/08 13:47/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/21/08 13:47/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0001		1	E245.1	07/09/08 12:21/eli-b
DATA QUALITY								
A/C Balance (± 5)	5.17	%				1	A1030 E	08/21/08 00:00/lkl
Anions	3.73	meq/L				1	A1030 E	08/21/08 00:00/lkl
Cations	4.14	meq/L				1	A1030 E	08/21/08 00:00/lkl
Solids, Total Dissolved Calculated	258	mg/L				1	A1030 E	08/21/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.59					1	A1030 E	08/21/08 00:00/lkl

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080625A-ALK-SEL-W	
Sample ID: LCS1_080625A	Laboratory Control Sample				Run: PH_COND1-R_080625A			06/25/08 09:31	
Alkalinity, Total as CaCO3	964	mg/L	5.0	96	90	110			
Sample ID: MBLK1_080625A	Method Blank				Run: PH_COND1-R_080625A			06/25/08 09:34	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08060403-005CMS	Sample Matrix Spike				Run: PH_COND1-R_080625A			06/25/08 12:14	
Alkalinity, Total as CaCO3	112	mg/L	5.0	100	80	120			
Sample ID: R08060403-005CMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080625A			06/25/08 12:16	
Alkalinity, Total as CaCO3	114	mg/L	5.0	102	80	120	1.8	10	
Method: A2510 B								Batch: 080625_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080625	Laboratory Control Sample				Run: PH_COND2-R_080625B			06/25/08 14:24	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: LCS1-1_080625	Laboratory Control Sample				Run: PH_COND2-R_080625B			06/25/08 14:25	
Conductivity @ 25 C	153	umhos/cm	5.0	102	90	110			
Sample ID: LCS2-1_080625	Laboratory Control Sample				Run: PH_COND2-R_080625B			06/25/08 14:25	
Conductivity @ 25 C	5040	umhos/cm	5.0	101	90	110			
Sample ID: R08060403-006CDUP	Sample Duplicate				Run: PH_COND2-R_080625B			06/25/08 14:39	
Conductivity @ 25 C	415	umhos/cm	5.0				1.0	10	
Sample ID: MBLK-1_080625	Method Blank				Run: PH_COND2-R_080625B			06/25/08 14:37	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 080627A-SLDS-TDS-W	
Sample ID: LCS1_080627A	Laboratory Control Sample				Run: BAL-4-R_080627A			06/27/08 11:42	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	98	90	110			
Sample ID: MBLK1_080627A	Method Blank				Run: BAL-4-R_080627A			06/27/08 11:44	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08060417-001AMS	Sample Matrix Spike				Run: BAL-4-R_080627A			06/27/08 11:49	
Solids, Total Dissolved TDS @ 180 C	1500	mg/L	5.0	127	80	120			S
Sample ID: R08060417-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080627A			06/27/08 11:50	
Solids, Total Dissolved TDS @ 180 C	1500	mg/L	5.0	108	80	120	2.5	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080627A-SLDS-TSS-W	
Sample ID: LCS1_080627A	Laboratory Control Sample				Run: BAL-4-R_080627B			06/27/08 17:02	
Solids, Total Suspended TSS @ 105 C	190	mg/L	5.0	94	85	115			
Sample ID: MBLK1_080627A	Method Blank				Run: BAL-4-R_080627B			06/27/08 17:03	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: R08060403-003CDUP	Sample Duplicate				Run: BAL-4-R_080627B			06/27/08 17:07	
Solids, Total Suspended TSS @ 105 C	10	mg/L	5.0				33	20	R
Method: A3114 B								Batch: C_SE3114-080719B	
Sample ID: MBLK	Method Blank				Run: SUB-C104481			07/19/08 12:46	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104481			07/19/08 12:48	
Selenium-IV	0.055	mg/L	0.0010	110	90	110			
Sample ID: R08060403-001A	Sample Matrix Spike				Run: SUB-C104481			07/19/08 12:52	
Selenium-IV	0.052	mg/L	0.0010	103	85	115			
Sample ID: R08060403-001A	Sample Matrix Spike Duplicate				Run: SUB-C104481			07/19/08 12:54	
Selenium-IV	0.052	mg/L	0.0010	104	85	115	1.2	10	
Method: A3114 B								Batch: C_SE3114-080719D	
Sample ID: MBLK	Method Blank				Run: SUB-C104485			07/19/08 15:42	
Selenium	ND	mg/L	6E-05						
Sample ID: R08060403-001A	Sample Matrix Spike				Run: SUB-C104485			07/19/08 15:52	
Selenium	0.050	mg/L	0.0010	100	85	115			
Sample ID: R08060403-001A	Sample Matrix Spike Duplicate				Run: SUB-C104485			07/19/08 15:54	
Selenium	0.053	mg/L	0.0010	104	85	115	4.2	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-080722B	
Sample ID: MBLK	Method Blank				Run: SUB-C104619			07/22/08 10:52	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104619			07/22/08 10:55	
Selenium-IV	0.053	mg/L	0.0010	106	90	110			
Sample ID: R08060403-001H	Sample Matrix Spike				Run: SUB-C104619			07/22/08 11:32	
Selenium-IV	0.055	mg/L	0.0010	110	85	115			
Sample ID: R08060403-001H	Sample Matrix Spike Duplicate				Run: SUB-C104619			07/22/08 11:34	
Selenium-IV	0.054	mg/L	0.0010	108	85	115	1.5	10	
Method: A3114 B								Batch: C_SE3114-080722C	
Sample ID: MBLK	Method Blank				Run: SUB-C104640			07/22/08 14:38	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-106-2	Laboratory Control Sample				Run: SUB-C104640			07/22/08 14:40	
Selenium	0.052	mg/L	0.0010	104	90	110			
Sample ID: R08060403-001H	Sample Matrix Spike				Run: SUB-C104640			07/22/08 15:12	
Selenium	0.050	mg/L	0.0010	101	85	115			
Sample ID: R08060403-001H	Sample Matrix Spike Duplicate				Run: SUB-C104640			07/22/08 15:14	
Selenium	0.051	mg/L	0.0010	101	85	115	0.5	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B								Batch: 080624-CR-HEX-W	
Sample ID: MBLK	Method Blank				Run: SPEC1_080624B				06/24/08 00:00
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_080624B				06/24/08 00:00
Chromium, Hexavalent	0.23	mg/L	0.0050	113	80	120			
Sample ID: R08060403-001E	Sample Matrix Spike				Run: SPEC1_080624B				06/24/08 00:00
Chromium, Hexavalent	0.21	mg/L	0.0050	104	80	120			
Sample ID: R08060403-002E	Sample Matrix Spike				Run: SPEC1_080624B				06/24/08 00:00
Chromium, Hexavalent	0.21	mg/L	0.0050	105	80	120			
Sample ID: R08060403-003E	Sample Matrix Spike				Run: SPEC1_080624B				06/24/08 00:00
Chromium, Hexavalent	0.23	mg/L	0.0050	113	80	120			
Sample ID: R08060403-004E	Sample Matrix Spike				Run: SPEC1_080624B				06/24/08 00:00
Chromium, Hexavalent	0.19	mg/L	0.0050	96	80	120			
Sample ID: R08060403-005E	Sample Matrix Spike				Run: SPEC1_080624B				06/24/08 00:00
Chromium, Hexavalent	0.21	mg/L	0.0050	105	80	120			
Sample ID: R08060403-006E	Sample Matrix Spike				Run: SPEC1_080624B				06/24/08 00:00
Chromium, Hexavalent	0.22	mg/L	0.0050	109	80	120			
Method: A4500-H B								Batch: 080625_1_PH-W	
Sample ID: LCS_pH-1_080625	Laboratory Control Sample				Run: PH_COND2-R_080625A				06/25/08 13:53
pH	6.91	s.u.	0.010	101	98.55	101.45			
Sample ID: R08060405-001BDUP	Sample Duplicate				Run: PH_COND2-R_080625A				06/25/08 14:07
pH	7.69	s.u.	0.010				0.1	1.25	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-06-25_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080625A			06/25/08 14:58	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080625A			06/25/08 14:59	
Nitrogen, Ammonia as N	0.28	mg/L	0.10	113	90	110			S
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080625A			06/25/08 15:00	
Nitrogen, Ammonia as N	0.28	mg/L	0.10	110	90	110			
Sample ID: R08060354-002BMS	Sample Matrix Spike				Run: TECHAA2-R_080625A			06/25/08 15:04	
Nitrogen, Ammonia as N	ND	mg/L	0.10		80	120			S
Sample ID: R08060354-002BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080625A			06/25/08 15:05	
Nitrogen, Ammonia as N	ND	mg/L	0.10		80	120	0.0	10	S
Sample ID: R08060403-004FMS	Sample Matrix Spike				Run: TECHAA2-R_080625A			06/25/08 15:19	
Nitrogen, Ammonia as N	0.46	mg/L	0.10	107	80	120			
Sample ID: R08060403-004FMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080625A			06/25/08 15:20	
Nitrogen, Ammonia as N	0.44	mg/L	0.10	100	80	120	4.0	10	
Sample ID: R08060427-001BMS	Sample Matrix Spike				Run: TECHAA2-R_080625A			06/25/08 15:45	
Nitrogen, Ammonia as N	0.43	mg/L	0.10	114	80	120			
Sample ID: R08060427-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080625A			06/25/08 15:46	
Nitrogen, Ammonia as N	0.43	mg/L	0.10	112	80	120	0.7	10	
Method: A9222 D								Batch: 080624-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080624A			06/24/08 11:05	
Bacteria, Fecal Coliform	ND	CFU/100ml							
Sample ID: R08060404-001A	Sample Duplicate				Run: MEMFILT_080624A			06/24/08 11:05	
Bacteria, Fecal Coliform	4.0	CFU/100ml	2.0				0.0	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18997
Sample ID: MB-18997	Method Blank				Run: SUB-C103815				07/07/08 23:38
Aluminum	ND	mg/L	0.002						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Vanadium	ND	mg/L	0.005						
Zinc	0.002	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	0.4	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS3-18997	Laboratory Control Sample				Run: SUB-C103815				07/07/08 23:42
Aluminum	2.41	mg/L	0.10	96	85	115			
Barium	0.498	mg/L	0.10	100	85	115			
Boron	0.513	mg/L	0.10	103	85	115			
Chromium	0.511	mg/L	0.050	102	85	115			
Copper	0.505	mg/L	0.010	101	85	115			
Iron	2.72	mg/L	0.030	109	85	115			
Manganese	2.56	mg/L	0.010	102	85	115			
Molybdenum	0.502	mg/L	0.10	100	85	115			
Nickel	0.512	mg/L	0.050	102	85	115			
Vanadium	0.539	mg/L	0.10	108	85	115			
Zinc	0.505	mg/L	0.010	101	85	115			
Calcium	25.8	mg/L	1.0	103	85	115			
Magnesium	26.3	mg/L	1.0	105	85	115			
Potassium	25.7	mg/L	1.0	103	85	115			
Silica	6.24	mg/L	0.10	116	85	115			
Sodium	26.0	mg/L	1.0	104	85	115			
Sample ID: R08060403-006B	Sample Matrix Spike				Run: SUB-C103815				07/08/08 00:44
Aluminum	72.4	mg/L	0.10		70	130			A
Barium	0.704	mg/L	0.10	111	70	130			
Boron	0.639	mg/L	0.10	105	70	130			
Chromium	0.588	mg/L	0.050	107	70	130			
Copper	0.526	mg/L	0.010	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18997
Sample ID: R08060403-006B	Sample Matrix Spike				Run: SUB-C103815				07/08/08 00:44
Iron	41.5	mg/L	0.030		70	130			A
Manganese	2.87	mg/L	0.010	101	70	130			
Molybdenum	0.476	mg/L	0.10	95	70	130			
Nickel	0.540	mg/L	0.050	100	70	130			
Vanadium	0.693	mg/L	0.10	109	70	130			
Zinc	0.585	mg/L	0.010	100	70	130			
Calcium	64.1	mg/L	1.0	98	70	130			
Magnesium	47.9	mg/L	1.0	110	70	130			
Potassium	54.3	mg/L	1.0	125	70	130			
Silica	86.7	mg/L	0.10		70	130			A
Sodium	45.9	mg/L	1.1	106	70	130			
Sample ID: R08060403-006B	Sample Matrix Spike Duplicate				Run: SUB-C103815				07/08/08 00:48
Aluminum	72.2	mg/L	0.10		70	130	0.4	20	A
Barium	0.718	mg/L	0.10	114	70	130	2.1	20	
Boron	0.646	mg/L	0.10	107	70	130	1.1	20	
Chromium	0.611	mg/L	0.050	112	70	130	3.7	20	
Copper	0.540	mg/L	0.010	104	70	130	2.6	20	
Iron	41.0	mg/L	0.030		70	130	1.4	20	A
Manganese	2.91	mg/L	0.010	102	70	130	1.3	20	
Molybdenum	0.491	mg/L	0.10	98	70	130	3.1	20	
Nickel	0.568	mg/L	0.050	106	70	130	4.9	20	
Vanadium	0.718	mg/L	0.10	114	70	130	3.6	20	
Zinc	0.602	mg/L	0.010	103	70	130	2.9	20	
Calcium	64.7	mg/L	1.0	100	70	130	1.0	20	
Magnesium	48.7	mg/L	1.0	113	70	130	1.6	20	
Potassium	54.2	mg/L	1.0	124	70	130	0.3	20	
Silica	93.1	mg/L	0.10		70	130	7.2	20	A
Sodium	45.5	mg/L	1.1	104	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R103608
Sample ID: MB-080701A	Method Blank				Run: SUB-C103608				07/01/08 14:04
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	ND	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080701A	Laboratory Fortified Blank				Run: SUB-C103608				07/01/08 14:08
Silica	0.38	mg/L	0.10	95	85	125			
Aluminum	1.00	mg/L	0.10	100	85	125			
Barium	0.98	mg/L	0.10	98	85	125			
Boron	1.0	mg/L	0.10	102	85	125			
Calcium	52	mg/L	0.50	103	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Copper	1.0	mg/L	0.010	101	85	125			
Iron	1.0	mg/L	0.030	105	85	125			
Magnesium	51	mg/L	0.50	102	85	125			
Manganese	1.00	mg/L	0.010	100	85	125			
Molybdenum	1.0	mg/L	0.10	100	85	125			
Nickel	1.0	mg/L	0.050	101	85	125			
Potassium	47	mg/L	0.50	93	85	125			
Sodium	50	mg/L	0.77	100	85	125			
Vanadium	1.0	mg/L	0.10	101	85	125			
Zinc	1.0	mg/L	0.010	101	85	125			
Sample ID: C08061051-003CMS2	Sample Matrix Spike				Run: SUB-C103608				07/01/08 21:59
Aluminum	10.3	mg/L	0.10	101	70	130			
Barium	9.92	mg/L	0.10	97	70	130			
Boron	15.8	mg/L	0.10	100	70	130			
Chromium	10.2	mg/L	0.050	102	70	130			
Copper	10.1	mg/L	0.052	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R103608	
Sample ID: C08061051-003CMS2	Sample Matrix Spike				Run: SUB-C103608			07/01/08 21:59	
Iron	12.7	mg/L	0.047	109	70	130			
Manganese	11.5	mg/L	0.010	101	70	130			
Molybdenum	10.1	mg/L	0.10	101	70	130			
Nickel	9.88	mg/L	0.050	99	70	130			
Vanadium	10.6	mg/L	0.10	105	70	130			
Zinc	10.2	mg/L	0.022	102	70	130			
Calcium	760	mg/L	1.1	104	70	130			
Magnesium	571	mg/L	1.0	105	70	130			
Potassium	571	mg/L	1.0	84	70	130			
Silica	25.3	mg/L	0.21		70	130			A
Sodium	2710	mg/L	7.7		70	130			A
Sample ID: C08061051-003CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C103608			07/01/08 22:03	
Aluminum	9.67	mg/L	0.10	95	70	130	6.1	20	
Barium	9.55	mg/L	0.10	94	70	130	3.9	20	
Boron	15.7	mg/L	0.10	99	70	130	1.0	20	
Chromium	9.85	mg/L	0.050	99	70	130	3.1	20	
Copper	9.73	mg/L	0.052	97	70	130	3.4	20	
Iron	12.2	mg/L	0.047	104	70	130	4.0	20	
Manganese	11.0	mg/L	0.010	97	70	130	4.0	20	
Molybdenum	9.74	mg/L	0.10	97	70	130	3.6	20	
Nickel	9.58	mg/L	0.050	96	70	130	3.1	20	
Vanadium	10.3	mg/L	0.10	102	70	130	2.9	20	
Zinc	9.79	mg/L	0.022	98	70	130	4.5	20	
Calcium	754	mg/L	1.1	103	70	130	0.8	20	
Magnesium	555	mg/L	1.0	102	70	130	2.9	20	
Potassium	573	mg/L	1.0	84	70	130	0.4	20	
Silica	24.9	mg/L	0.21		70	130	1.6	20	A
Sodium	2770	mg/L	7.7		70	130	2.3	20	A
Sample ID: C08060805-001CMS2	Sample Matrix Spike				Run: SUB-C103608			07/01/08 22:52	
Aluminum	3.80	mg/L	0.10	83	70	130			
Barium	1.11	mg/L	0.10	100	70	130			
Boron	1.04	mg/L	0.10	101	70	130			
Chromium	1.04	mg/L	0.050	103	70	130			
Copper	1.04	mg/L	0.010	103	70	130			
Iron	2.85	mg/L	0.030	99	70	130			
Manganese	1.07	mg/L	0.010	103	70	130			
Molybdenum	0.927	mg/L	0.10	93	70	130			
Nickel	1.01	mg/L	0.050	101	70	130			
Vanadium	1.10	mg/L	0.10	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R103608	
Sample ID: C08060805-001CMS2	Sample Matrix Spike				Run: SUB-C103608			07/01/08 22:52	
Zinc	1.08	mg/L	0.010	105	70	130			
Calcium	66.3	mg/L	1.0	106	70	130			
Magnesium	56.8	mg/L	1.0	107	70	130			
Potassium	52.6	mg/L	1.0	89	70	130			
Silica	12.3	mg/L	0.10		70	130			A
Sodium	50.6	mg/L	1.0	100	70	130			
Sample ID: C08060805-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C103608			07/01/08 22:56	
Aluminum	3.91	mg/L	0.10	94	70	130	2.9	20	
Barium	1.10	mg/L	0.10	98	70	130	1.1	20	
Boron	1.05	mg/L	0.10	102	70	130	0.4	20	
Chromium	1.03	mg/L	0.050	102	70	130	1.0	20	
Copper	1.02	mg/L	0.010	102	70	130	1.1	20	
Iron	2.81	mg/L	0.030	95	70	130	1.5	20	
Manganese	1.06	mg/L	0.010	102	70	130	0.8	20	
Molybdenum	0.958	mg/L	0.10	96	70	130	3.2	20	
Nickel	0.999	mg/L	0.050	100	70	130	1.4	20	
Vanadium	1.06	mg/L	0.10	99	70	130	3.5	20	
Zinc	1.08	mg/L	0.010	104	70	130	0.3	20	
Calcium	66.0	mg/L	1.0	105	70	130	0.5	20	
Magnesium	56.5	mg/L	1.0	107	70	130	0.5	20	
Potassium	53.0	mg/L	1.0	90	70	130	0.8	20	
Silica	12.1	mg/L	0.10		70	130	1.5	20	A
Sodium	50.2	mg/L	1.0	99	70	130	0.8	20	
Method: E200.7								Batch: C_R104315	
Sample ID: MB-080715A	Method Blank				Run: SUB-C104315			07/15/08 11:56	
Manganese	ND	mg/L	0.0003						
Sample ID: LFB-080715A	Laboratory Fortified Blank				Run: SUB-C104315			07/15/08 12:00	
Manganese	1.0	mg/L	0.010	103	85	125			
Sample ID: R08060403-003A	Sample Matrix Spike				Run: SUB-C104315			07/15/08 12:08	
Manganese	150	mg/L	0.010		70	130			A
Sample ID: R08060403-003A	Sample Matrix Spike Duplicate				Run: SUB-C104315			07/15/08 12:12	
Manganese	145	mg/L	0.010		70	130	3.2	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18997
Sample ID: MB-18997	Method Blank				Run: SUB-C103823				07/07/08 16:51
Arsenic	0.0009	mg/L	5E-05						
Cadmium	ND	mg/L	3E-05						
Lead	0.006	mg/L							
Manganese	0.0003	mg/L	3E-05						
Silver	6E-05	mg/L	5E-05						
Thorium 232	0.0003	mg/L	7E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18997	Laboratory Control Sample				Run: SUB-C103823				07/07/08 16:58
Arsenic	0.554	mg/L	0.0010	111	85	115			
Cadmium	0.270	mg/L	0.010	108	85	115			
Lead	0.562	mg/L	0.050	111	85	115			
Manganese	2.76	mg/L	0.010	110	85	115			
Silver	0.0448	mg/L	0.010	89	85	115			
Thorium 232	0.541	mg/L	0.0010	108	85	115			
Uranium	0.543	mg/L	0.00032	109	85	115			
Sample ID: R08060403-006B	Sample Matrix Spike				Run: SUB-C103823				07/07/08 18:33
Arsenic	0.638	mg/L	0.0010	125	70	130			
Cadmium	0.305	mg/L	0.010	122	70	130			
Lead	0.651	mg/L	0.050	122	70	130			
Manganese	3.47	mg/L	0.010	121	70	130			
Silver	0.0530	mg/L	0.010	106	70	130			
Thorium 232	0.640	mg/L	0.0010	125	70	130			
Uranium	0.630	mg/L	0.00032	126	70	130			
Sample ID: R08060403-006B	Sample Matrix Spike Duplicate				Run: SUB-C103823				07/07/08 18:40
Arsenic	0.632	mg/L	0.0010	124	70	130	0.8	20	
Cadmium	0.300	mg/L	0.010	120	70	130	1.7	20	
Lead	0.638	mg/L	0.050	120	70	130	2.0	20	
Manganese	3.47	mg/L	0.010	121	70	130	0.1	20	
Silver	0.0550	mg/L	0.010	110	70	130	3.8	20	
Thorium 232	0.623	mg/L	0.0010	122	70	130	2.6	20	
Uranium	0.614	mg/L	0.00032	122	70	130	2.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R103823	
Sample ID: LRB	Method Blank				Run: SUB-C103823			07/07/08 14:02	
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	7E-05	mg/L	3E-05						
Thorium 232	5E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C103823			07/07/08 14:09	
Arsenic	0.0535	mg/L	0.0010	107	85	115			
Cadmium	0.0531	mg/L	0.0010	106	85	115			
Copper	0.0538	mg/L	0.0010	108	85	115			
Lead	0.0527	mg/L	0.0010	105	85	115			
Mercury	0.00523	mg/L	0.0010	105	85	115			
Silver	0.0210	mg/L	0.0010	105	85	115			
Thorium 232	0.0522	mg/L	0.0010	104	85	115			
Uranium	0.0516	mg/L	0.00030	103	85	115			
Sample ID: R08060403-006A	Post Digestion Spike				Run: SUB-C103823			07/07/08 16:11	
Arsenic	0.0525	mg/L	0.0010	103	70	130			
Cadmium	0.0498	mg/L	0.010	100	70	130			
Copper	0.0544	mg/L	0.010	97	70	130			
Lead	0.0497	mg/L	0.050	99	70	130			
Mercury	0.00494	mg/L	0.0010	99	70	130			
Silver	0.00980	mg/L	0.010	49	70	130			S
Thorium 232	0.0427	mg/L	0.0010	85	70	130			
Uranium	0.0497	mg/L	0.00030	98	70	130			
Sample ID: R08060403-006A	Post Digestion Spike Duplicate				Run: SUB-C103823			07/07/08 16:17	
Arsenic	0.0522	mg/L	0.0010	103	70	130	0.6	20	
Cadmium	0.0494	mg/L	0.010	99	70	130	0.8	20	
Copper	0.0539	mg/L	0.010	96	70	130	0.9	20	
Lead	0.0501	mg/L	0.050	100	70	130	0.8	20	
Mercury	0.00502	mg/L	0.0010	100	70	130	1.5	20	
Silver	0.00900	mg/L	0.010	45	70	130	0.0	20	S
Thorium 232	0.0443	mg/L	0.0010	88	70	130	3.7	20	
Uranium	0.0503	mg/L	0.00030	100	70	130	1.2	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_33393
Sample ID: MB-33393	Method Blank				Run: SUB-C104002				07/09/08 11:37
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33393	Laboratory Fortified Blank				Run: SUB-C104002				07/09/08 11:39
Mercury	0.0020	mg/L	0.0010	101	85	115			
Sample ID: B08070638-001BMS	Sample Matrix Spike				Run: SUB-C104002				07/09/08 12:07
Mercury	0.0022	mg/L	0.0010	108	70	130			
Sample ID: B08070638-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C104002				07/09/08 12:10
Mercury	0.0021	mg/L	0.0010	103	70	130	4.2	30	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35666
Sample ID: LFB0806244901-3	Laboratory Fortified Blank				Run: DIONEX_080625A				06/25/08 09:56
Chloride	4.78	mg/L	0.50	96	90	110			
Fluoride	1.83	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.34	mg/L	0.10	94	90	110			
Sulfate	14.2	mg/L	1.0	95	90	110			
Sample ID: LFB0806244901-4	Laboratory Fortified Blank				Run: DIONEX_080625A				06/25/08 10:13
Chloride	4.81	mg/L	0.50	96	90	110			
Fluoride	1.85	mg/L	0.10	93	90	110			
Nitrogen, Nitrate as N	2.36	mg/L	0.10	94	90	110			
Sulfate	14.3	mg/L	1.0	96	90	110			
Sample ID: R08060394-001BMS	Sample Matrix Spike				Run: DIONEX_080625A				06/25/08 10:45
Chloride	231	mg/L	0.50		80	120			A
Fluoride	2.74	mg/L	0.10	95	80	120			
Nitrogen, Nitrate as N	2.56	mg/L	0.10	95	80	120			
Sulfate	56.8	mg/L	1.0	77	80	120			S
Sample ID: R08060394-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080625A				06/25/08 11:02
Chloride	233	mg/L	0.50		80	120	1.0	10	A
Fluoride	2.62	mg/L	0.10	89	80	120	4.5	10	
Nitrogen, Nitrate as N	2.40	mg/L	0.10	89	80	120	6.5	10	
Sulfate	55.9	mg/L	1.0	71	80	120	1.6	10	S
Sample ID: R08060403-004CMS	Sample Matrix Spike				Run: DIONEX_080625A				06/25/08 14:02
Chloride	241	mg/L	5.4	88	80	120			
Fluoride	94.5	mg/L	0.56	88	80	120			
Nitrogen, Nitrate as N	118	mg/L	1.3	94	80	120			
Sulfate	817	mg/L	3.4	86	80	120			
Sample ID: R08060403-004CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080625A				06/25/08 14:19
Chloride	235	mg/L	5.4	86	80	120	2.6	10	
Fluoride	91.9	mg/L	0.56	85	80	120	2.8	10	
Nitrogen, Nitrate as N	115	mg/L	1.3	92	80	120	2.5	10	
Sulfate	798	mg/L	3.4	84	80	120	2.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0479	
Sample ID: MB-GrAB-0479	Method Blank				Run: SUB-C104549			07/19/08 01:29	
Gross Alpha	2	pCi/L							
Gross Beta	-0.9	pCi/L							U
Sample ID: UNAT-GrAB-0479	Laboratory Control Sample				Run: SUB-C104549			07/19/08 01:29	
Gross Alpha	130	pCi/L		90	70	130			
Sample ID: Cs137-GrAB-0479	Laboratory Control Sample				Run: SUB-C104549			07/19/08 01:30	
Gross Beta	91	pCi/L		98	70	130			
Sample ID: C08061394-007HMS	Sample Matrix Spike				Run: SUB-C104549			07/19/08 22:57	
Gross Alpha	160	pCi/L		115	70	130			
Sample ID: C08061394-007HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104549			07/19/08 22:57	
Gross Alpha	150	pCi/L		107	70	130	7.6	15.2	
Sample ID: C08061394-007HMS	Sample Matrix Spike				Run: SUB-C104549			07/19/08 22:57	
Gross Beta	93	pCi/L		97	70	130			
Sample ID: C08061394-007HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104549			07/19/08 22:57	
Gross Beta	89	pCi/L		93	70	130	4.2	16	
Method: E901.1								Batch: C_R104392	
Sample ID: LCS-R104392	Laboratory Control Sample				Run: SUB-C104392			07/14/08 11:00	
Cesium 137	450000	pCi/L	20	104	70	130			
Cobalt 60	330000	pCi/L	20	104	70	130			
Sample ID: MB-R104392	Method Blank				Run: SUB-C104392			07/14/08 11:00	
Gross Gamma	ND	pCi/L							U
Sample ID: R08060403-006I	Sample Duplicate				Run: SUB-C104392			07/14/08 11:00	
Gross Gamma	ND	pCi/L	20				0.0	30	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_19014
Sample ID: C08061333-004IMS	Sample Matrix Spike				Run: SUB-C104316				07/15/08 21:56
Radium 226	140	pCi/L		92	70	130			
Sample ID: C08061333-004IMSD	Sample Matrix Spike Duplicate				Run: SUB-C104316				07/15/08 21:56
Radium 226	150	pCi/L		95	70	130	3.6	24.2	
Sample ID: LCS-19014	Laboratory Control Sample				Run: SUB-C104316				07/16/08 01:53
Radium 226	13	pCi/L		94	70	130			
Sample ID: MB-19014	Method Blank				Run: SUB-C104316				07/16/08 01:53
Radium 226	-2	pCi/L							U
Method: E903.0									Batch: C_RA226-2910
Sample ID: C08060835-001AMS	Sample Matrix Spike				Run: SUB-C104390				07/09/08 08:06
Radium 226	12	pCi/L		94	70	130			
Sample ID: C08060835-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C104390				07/09/08 08:06
Radium 226	12	pCi/L		88	70	130	5.8	24.8	
Sample ID: MB-RA226-2910	Method Blank				Run: SUB-C104390				07/09/08 12:50
Radium 226	-0.2	pCi/L							U
Sample ID: LCS-RA226-2910	Laboratory Control Sample				Run: SUB-C104390				07/09/08 12:50
Radium 226	7.3	pCi/L		95	70	130			
Method: E907.0									Batch: C_19014
Sample ID: C08061394-007IMS	Sample Matrix Spike				Run: SUB-C104248				07/11/08 17:06
Thorium 230	21.4	pCi/L	0.20	92	70	130			
Sample ID: C08061394-007IMSD	Sample Matrix Spike Duplicate				Run: SUB-C104248				07/11/08 17:07
Thorium 230	19.9	pCi/L	0.20	90	70	130	7.4	30	
Sample ID: LCS-19014	Laboratory Control Sample				Run: SUB-C104248				07/11/08 17:07
Thorium 230	46.6	pCi/L	0.20	98	70	130			
Sample ID: MB-19014	Method Blank				Run: SUB-C104248				07/11/08 17:07
Thorium 230	-0.08	pCi/L							U

Qualifiers:

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0								Batch: C_RA-TH-ISO-0571	
Sample ID: LCS-RA-TH-ISO-0571	Laboratory Control Sample				Run: SUB-C104913			07/21/08 21:24	
Thorium 230	6.31	pCi/L	0.20	103	70	130			
Sample ID: C08061333-002HMS	Sample Matrix Spike				Run: SUB-C104913			07/21/08 21:24	
Thorium 230	15.3	pCi/L	0.20	94	70	130			
Sample ID: C08061333-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C104913			07/21/08 21:24	
Thorium 230	16.6	pCi/L	0.20	103	70	130	8.4	30	
Sample ID: MB-RA-TH-ISO-0571	Method Blank				Run: SUB-C104913			07/23/08 22:41	
Thorium 230	0.03	pCi/L							U
Method: E909.0M								Batch: C_19014	
Sample ID: C08061394-001IMS	Sample Matrix Spike				Run: SUB-C105485			07/08/08 06:20	
Lead 210	150	pCi/L		52	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD are acceptable the batch is approved.									
Sample ID: C08061394-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C105485			07/08/08 06:20	
Lead 210	230	pCi/L		78	70	130	38	30	R
Sample ID: MB-R105485	Method Blank				Run: SUB-C105485			07/08/08 06:20	
Lead 210	4	pCi/L							U
Sample ID: LCS-R105485	Laboratory Control Sample				Run: SUB-C105485			07/08/08 06:20	
Lead 210	140	pCi/L		115	70	130			
Method: E909.0M								Batch: C_R105221	
Sample ID: R08060403-003J	Sample Duplicate				Run: SUB-C105221			07/10/08 10:10	
Lead 210	3.6	pCi/L					280	30	UR
Sample ID: R08060403-001J	Sample Matrix Spike				Run: SUB-C105221			07/10/08 10:10	
Lead 210	480	pCi/L		82	70	130			
Sample ID: R08060403-001J	Sample Matrix Spike Duplicate				Run: SUB-C105221			07/10/08 10:10	
Lead 210	560	pCi/L		94	70	130	14	30	
Sample ID: MB-R105221	Method Blank				Run: SUB-C105221			07/10/08 10:10	
Lead 210	2	pCi/L							U
Sample ID: LCS-R105221	Laboratory Control Sample				Run: SUB-C105221			07/10/08 10:10	
Lead 210	94	pCi/L		78	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08060403

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008								Batch: C_19014	
Sample ID: C08061292-001BMS	Sample Matrix Spike				Run: SUB-C106196			08/18/08 17:00	
Polonium 210	18	pCi/L	1.0	124	70	130			
Sample ID: C08061292-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C106196			08/18/08 17:00	
Polonium 210	15	pCi/L	1.0	104	70	130	18	30	
Sample ID: LCS-19014	Laboratory Control Sample				Run: SUB-C106196			08/18/08 17:00	
Polonium 210	84	pCi/L	1.0	101	70	130			
Sample ID: MB-19014	Method Blank				Run: SUB-C106196			08/18/08 17:00	
Polonium 210	1	pCi/L							
Method: RMO-3008								Batch: C_R104448	
Sample ID: R08060403-003J	Sample Matrix Spike				Run: SUB-C104448			07/10/08 21:30	
Polonium 210	79	pCi/L	1.0	91	70	130			
Sample ID: R08060403-003J	Sample Matrix Spike Duplicate				Run: SUB-C104448			07/10/08 21:30	
Polonium 210	60	pCi/L	1.0	69	70	130	28	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MS are acceptable the batch is approved.									
Sample ID: LCS-R104448	Laboratory Control Sample				Run: SUB-C104448			07/10/08 21:30	
Polonium 210	36	pCi/L	1.0	83	70	130			
Sample ID: MB-R104448	Method Blank				Run: SUB-C104448			07/10/08 21:30	
Polonium 210	ND	pCi/L							U
Method: SW7470A								Analytical Run: SUB-C104002	
Sample ID: QCS	Initial Calibration Verification Standard							07/09/08 07:00	
Mercury	0.0020	mg/L	0.0010	101	90	110			

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc. Powertech Dewey Burdock	Sample Origin State: SD	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: RESPEC	Contact Name: cory.foreman@respec.com Phone/Fax:	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

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

ANALYSIS REQUESTED: As per Quote + Pb + Po

SEE ATTACHED

Normal Turnaround (TAT)

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

Comments: All SW

Shipped by:

Cooler ID(s):

Receipt Temp 6 °C

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		LABORATORY USE ONLY
1	Dew Burd Sub 08	6/23/08	12:20	W	Sundance Pond W. Set 7	R0806403-001
2	Dew Burd Sub 09	6/23/08	12:50	W	Sundance Pond E. set 10	002
3	Dew Burd Sub 06	6/23/08	13:45	W	Darrow Pit Set 16	003
4	Dew Burd Sub 07	6/23/08	14:30	W	Daniel Ranch North Set 2	004
5	~~Dew Burd Sub 15~~				~~Daniel Ranch South Set 1~~	~~005~~
6	Dew Burd Sub 11	6/23/08	15:10	W	Daniel Ranch South set 1	005
7	Dew Burd Sub 10	6/23/08	16:25	W	narrow road dam Set 13	006
8						
9						
10						

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	6/24/08 05:45	[signature]	J. Hartman	6/24/08 800	[signature]
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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

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ANALYTICAL SUMMARY REPORT

October 02, 2008

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

Workorder No.: R08070340 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 7/19/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08070340-001	DewBurd PSC01	07/18/08 12:40	07/19/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Bacteria, Fecal Coliform Conductivity Chromium, Hexavalent Chromium, Trivalent Mercury, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium, Total Selenium, Dissolved Selenium-VI, Total Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Digestion, As/Se by Hydride Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08070340-002	DewBurd PSC02	07/18/08 14:25	07/19/08	Aqueous	Same As Above

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

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

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CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08070340

Date: 02-Oct-08

CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by RESPEC Inc on 7/19/2008 2:00:00 PM. These samples were assigned ELI Workorder Number R08070340.

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

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

During the course of analyzing your sample(s) the following exceptions were noted.
- Nitrates were run out of hold due to the date the samples were received, short notice of receiving date, and the analyst responsible for running the samples being unavailable.

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

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

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

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08071003
ANALYTICAL COMMENTS
The MDC for Pb-210 per RG 4.14 is 1 pCi/L. The current technique can achieve an MDC of 5 pCi/L if there is sufficient sample to process 1.0 L, and this is reported on a sample specific basis.
End of comments imported for SUBBED Workorder: C08071003

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070340-001
Client Sample ID: DewBurd PSC01

Report Date: 10/01/08
Collection Date: 07/18/08 12:40
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	3700	CFU/100ml	D	100		100	A9222 D	07/19/08 14:20/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	62	mg/L		5		1	A2320 B	07/22/08 10:26/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/22/08 10:26/mb
Bicarbonate as HCO3	76	mg/L		5		1	A2320 B	07/22/08 10:26/mb
Calcium	459	mg/L		0.5		2	E200.7	08/04/08 15:00/eli-c
Chloride	2	mg/L		1		1	E300.0	07/21/08 19:21/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	07/21/08 19:21/jmh
Magnesium	12.5	mg/L		0.5		2	E200.7	08/04/08 15:00/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	07/21/08 13:33/jmh
Nitrogen, Nitrate as N	0.6	mg/L	H	0.1		1	E300.0	07/21/08 19:21/jmh
Potassium	7	mg/L		1		2	E200.7	08/04/08 15:00/eli-c
Silica	1.7	mg/L		0.5		2	E200.7	08/04/08 15:00/eli-c
Sodium	2.6	mg/L		0.5		2	E200.7	08/04/08 15:00/eli-c
Sulfate	977	mg/L	D	3		50	E300.0	07/21/08 18:31/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1750	umhos/cm		5.0		1	A2510 B	07/22/08 09:57/tb
pH	7.24	s.u.		0.01		1	A4500-H B	07/22/08 09:19/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	09/25/08 08:17/ADM
Solids, Suspended Sediment SSC @ 105 C	4490	mg/L		5		1	D3977	07/28/08 10:10/mb
Solids, Total Dissolved TDS @ 180 C	1600	mg/L		5		1	A2540 C	07/23/08 11:44/mb
Solids, Total Suspended TSS @ 105 C	3700	mg/L		5		1	A2540 D	07/21/08 15:05/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	08/04/08 15:00/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	08/05/08 01:54/eli-c
Barium	0.1	mg/L		0.1		2	E200.7	08/04/08 15:00/eli-c
Boron	ND	mg/L		0.1		2	E200.7	08/04/08 15:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/05/08 01:54/eli-c
Chromium	0.02	mg/L		0.01		2	E200.7	08/04/08 15:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/05/08 01:54/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	08/04/08 15:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/05/08 01:54/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	08/04/08 15:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/05/08 01:54/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	08/04/08 15:00/eli-c
Nickel	0.03	mg/L		0.01		2	E200.7	08/04/08 15:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070340-001
Client Sample ID: DewBurd PSC01

Report Date: 10/01/08
Collection Date: 07/18/08 12:40
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	08/05/08 01:54/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	08/05/08 01:54/eli-c
Uranium	0.0050	mg/L		0.0003		1	E200.8	08/05/08 01:54/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	08/04/08 15:00/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	08/04/08 15:00/eli-c
METALS - SUSPENDED								
Thorium 232	0.001	mg/L		0.001		1	E200.8	07/27/08 05:27/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	07/27/08 05:27/eli-c
METALS - TOTAL								
Aluminum	85.9	mg/L		0.1		2	E200.7	07/25/08 21:33/eli-c
Arsenic	0.031	mg/L		0.001		1	E200.8	08/04/08 20:02/eli-c
Barium	0.8	mg/L		0.1		2	E200.7	07/25/08 21:33/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	07/25/08 21:33/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/04/08 20:02/eli-c
Chromium	0.17	mg/L		0.05		2	E200.7	07/25/08 21:33/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	07/19/08 00:00/mb
Chromium, Trivalent	0.17	mg/L		0.01		1	Calculation	09/25/08 00:00/jmh
Copper	0.10	mg/L		0.01		2	E200.7	07/25/08 21:33/eli-c
Iron	128	mg/L	D	0.2		2	E200.7	07/25/08 21:33/eli-c
Lead	0.074	mg/L		0.001		1	E200.8	08/04/08 20:02/eli-c
Manganese	2.55	mg/L		0.01		2	E200.7	07/25/08 21:33/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/25/08 21:33/eli-c
Nickel	0.15	mg/L		0.05		2	E200.7	07/25/08 21:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	08/04/08 20:02/eli-c
Thorium 232	0.020	mg/L		0.005		1	E200.8	08/04/08 20:02/eli-c
Uranium	0.0252	mg/L		0.0003		1	E200.8	08/04/08 20:02/eli-c
Vanadium	0.1	mg/L		0.1		2	E200.7	07/25/08 21:33/eli-c
Zinc	0.34	mg/L		0.01		2	E200.7	07/25/08 21:33/eli-c
Calcium	664	mg/L		0.5		2	E200.7	07/25/08 21:33/eli-c
Magnesium	164	mg/L		0.5		2	E200.7	07/25/08 21:33/eli-c
Potassium	46.1	mg/L		0.5		2	E200.7	07/25/08 21:33/eli-c
Silica	49.2	mg/L		0.5		2	E200.7	07/25/08 21:33/eli-c
Sodium	3	mg/L	D	1		2	E200.7	07/25/08 21:33/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	08/11/08 16:36/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/11/08 13:55/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070340-001
Client Sample ID: DewBurd PSC01

Report Date: 10/01/08
Collection Date: 07/18/08 12:40
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/11/08 16:55/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	08/11/08 16:53/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/11/08 14:15/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/11/08 16:55/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	2.2	pCi/L	U			1	E909.0M	08/11/08 10:51/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	08/11/08 10:51/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	08/11/08 10:51/eli-c
Polonium 210	0.7	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	0.1	pCi/L	U			1	E903.0	08/19/08 01:59/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	08/19/08 01:59/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	08/19/08 01:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/20/08 17:24/eli-c
Thorium 230 precision (±)	0.04	pCi/L				1	E907.0	08/20/08 17:24/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.9	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	0.3	pCi/L	U	1.0		1	RMO-3008	08/08/08 14:06/eli-c
Polonium 210 precision (±)	0.33	pCi/L				1	RMO-3008	08/08/08 14:06/eli-c
Radium 226	0.1	pCi/L	U			1	E903.0	08/11/08 11:25/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/11/08 11:25/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	08/11/08 11:25/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	08/10/08 17:23/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/10/08 17:23/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	6.5	pCi/L	U			1	E900.0	09/04/08 18:47/eli-c
Gross Alpha precision (±)	6.9	pCi/L				1	E900.0	09/04/08 18:47/eli-c
Gross Alpha MDC	10.7	pCi/L				1	E900.0	09/04/08 18:47/eli-c
Gross Beta	1.4	pCi/L	U			1	E900.0	09/04/08 18:47/eli-c
Gross Beta precision (±)	6.9	pCi/L				1	E900.0	09/04/08 18:47/eli-c
Gross Beta MDC	11.5	pCi/L				1	E900.0	09/04/08 18:47/eli-c
Gross Gamma	0	pCi/L	U	20.0		1	E901.1	08/08/08 07:23/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070340-001
Client Sample ID: DewBurd PSC01

Report Date: 10/01/08
Collection Date: 07/18/08 12:40
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma precision (±)	20	pCi/L				1	E901.1	08/08/08 07:23/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	3	pCi/L	U			1	E909.0M	09/24/08 17:25/eli-c
Lead 210 precision (±)	8	pCi/L				1	E909.0M	09/24/08 17:25/eli-c
Lead 210 MDC	14	pCi/L				1	E909.0M	09/24/08 17:25/eli-c
Polonium 210	1.0	pCi/L	U	1.0		1	RMO-3008	09/24/08 17:25/eli-c
Polonium 210 precision (±)	0.77	pCi/L				1	RMO-3008	09/24/08 17:25/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	09/24/08 17:25/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	09/24/08 17:25/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	09/24/08 17:25/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	09/24/08 17:25/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	09/24/08 17:25/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0002		1	E245.1	07/29/08 12:11/eli-b
DATA QUALITY								
A/C Balance (± 5)	5.55	%				1	A1030 E	09/25/08 00:00/jmh
Anions	21.7	meq/L				1	A1030 E	09/25/08 00:00/jmh
Cations	24.2	meq/L				1	A1030 E	09/25/08 00:00/jmh
Solids, Total Dissolved Calculated	1510	mg/L				1	A1030 E	09/25/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.07					1	A1030 E	09/25/08 00:00/jmh

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070340-002
Client Sample ID: DewBurd PSC02

Report Date: 10/01/08
Collection Date: 07/18/08 14:25
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MICROBIOLOGICAL								
Bacteria, Fecal Coliform	7500	CFU/100ml	D	100		100	A9222 D	07/19/08 14:20/tb
MAJOR IONS								
Alkalinity, Total as CaCO3	60	mg/L		5		1	A2320 B	07/22/08 10:30/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/22/08 10:30/mb
Bicarbonate as HCO3	73	mg/L		5		1	A2320 B	07/22/08 10:30/mb
Calcium	439	mg/L		0.5		2	E200.7	08/04/08 15:08/eli-c
Chloride	2	mg/L		1		1	E300.0	07/21/08 19:54/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	07/21/08 19:54/jmh
Magnesium	10.1	mg/L		0.5		2	E200.7	08/04/08 15:08/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	07/21/08 13:37/jmh
Nitrogen, Nitrate as N	0.6	mg/L	H	0.1		1	E300.0	07/21/08 19:54/jmh
Potassium	6	mg/L		1		2	E200.7	08/04/08 15:08/eli-c
Silica	1.8	mg/L		0.5		2	E200.7	08/04/08 15:08/eli-c
Sodium	1.7	mg/L		0.5		2	E200.7	08/04/08 15:08/eli-c
Sulfate	909	mg/L	D	3		50	E300.0	07/21/08 19:37/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1520	umhos/cm		5.0		1	A2510 B	07/22/08 09:58/tb
pH	7.34	s.u.		0.01		1	A4500-H B	07/22/08 09:20/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	09/25/08 08:17/ADM
Solids, Suspended Sediment SSC @ 105 C	2370	mg/L		5		1	D3977	07/28/08 10:12/mb
Solids, Total Dissolved TDS @ 180 C	1500	mg/L		5		1	A2540 C	07/23/08 11:45/mb
Solids, Total Suspended TSS @ 105 C	2000	mg/L		5		1	A2540 D	07/21/08 15:06/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	08/04/08 15:08/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	08/05/08 02:01/eli-c
Barium	ND	mg/L		0.1		2	E200.7	08/04/08 15:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	08/04/08 15:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/05/08 02:01/eli-c
Chromium	ND	mg/L		0.01		2	E200.7	08/04/08 15:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/05/08 02:01/eli-c
Iron	ND	mg/L		0.03		2	E200.7	08/04/08 15:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/05/08 02:01/eli-c
Manganese	0.03	mg/L		0.01		2	E200.7	08/04/08 15:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/05/08 02:01/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	08/04/08 15:08/eli-c
Nickel	ND	mg/L		0.01		2	E200.7	08/04/08 15:08/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070340-002
Client Sample ID: DewBurd PSC02

Report Date: 10/01/08
Collection Date: 07/18/08 14:25
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Silver	ND	mg/L		0.005		1	E200.8	08/05/08 02:01/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	08/05/08 02:01/eli-c
Uranium	0.0007	mg/L		0.0003		1	E200.8	08/05/08 02:01/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	08/04/08 15:08/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	08/04/08 15:08/eli-c
METALS - SUSPENDED								
Thorium 232	0.002	mg/L		0.001		1	E200.8	07/27/08 05:31/eli-c
Uranium	0.0009	mg/L		0.0003		1	E200.8	07/27/08 05:31/eli-c
METALS - TOTAL								
Aluminum	58.7	mg/L		0.1		2	E200.7	07/25/08 21:49/eli-c
Arsenic	0.018	mg/L		0.001		1	E200.8	08/04/08 20:09/eli-c
Barium	0.5	mg/L		0.1		2	E200.7	07/25/08 21:49/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	07/25/08 21:49/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/04/08 20:09/eli-c
Chromium	0.10	mg/L		0.05		2	E200.7	07/25/08 21:49/eli-c
Chromium, Hexavalent	ND	mg/L		0.005		1	A3500-Cr B	07/19/08 00:00/mb
Chromium, Trivalent	0.10	mg/L		0.01		1	Calculation	09/25/08 00:00/jmh
Copper	0.06	mg/L		0.01		2	E200.7	07/25/08 21:49/eli-c
Iron	75.7	mg/L		0.03		2	E200.7	07/25/08 21:49/eli-c
Lead	0.040	mg/L		0.001		1	E200.8	08/04/08 20:09/eli-c
Manganese	1.48	mg/L		0.01		2	E200.7	07/25/08 21:49/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	07/25/08 21:49/eli-c
Nickel	0.09	mg/L		0.05		2	E200.7	07/25/08 21:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	08/04/08 20:09/eli-c
Thorium 232	0.012	mg/L		0.005		1	E200.8	08/04/08 20:09/eli-c
Uranium	0.0057	mg/L		0.0007		1	E200.8	08/04/08 20:09/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	07/25/08 21:49/eli-c
Zinc	0.19	mg/L		0.01		2	E200.7	07/25/08 21:49/eli-c
Calcium	516	mg/L		0.5		2	E200.7	07/25/08 21:49/eli-c
Magnesium	97.7	mg/L		0.5		2	E200.7	07/25/08 21:49/eli-c
Potassium	30.1	mg/L		0.5		2	E200.7	07/25/08 21:49/eli-c
Silica	51.9	mg/L		0.5		2	E200.7	07/25/08 21:49/eli-c
Sodium	2	mg/L	D	1		2	E200.7	07/25/08 21:49/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	08/11/08 16:42/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/11/08 14:05/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070340-002
Client Sample ID: DewBurd PSC02

Report Date: 10/01/08
Collection Date: 07/18/08 14:25
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED - SPECIATED								
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/11/08 16:55/eli-c
METALS - TOTAL - SPECIATED								
Selenium	ND	mg/L		0.001		1	A3114 B	08/11/08 16:59/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/11/08 14:21/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/11/08 16:55/eli-c
RADIONUCLIDES - DISSOLVED								
Lead 210	1.7	pCi/L	U			1	E909.0M	08/11/08 10:51/eli-c
Lead 210 precision (±)	4.5	pCi/L				1	E909.0M	08/11/08 10:51/eli-c
Lead 210 MDC	7.4	pCi/L				1	E909.0M	08/11/08 10:51/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	08/21/08 17:30/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	08/21/08 17:30/eli-c
Radium 226	-0.04	pCi/L	U			1	E903.0	08/19/08 01:59/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	08/19/08 01:59/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	08/19/08 01:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/20/08 17:24/eli-c
Thorium 230 precision (±)	0.05	pCi/L				1	E907.0	08/20/08 17:24/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.8	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	0.3	pCi/L	U	1.0		1	RMO-3008	08/08/08 14:06/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	08/08/08 14:06/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	08/11/08 11:25/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/11/08 11:25/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	08/11/08 11:25/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	08/10/08 17:23/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	08/10/08 17:23/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	4.2	pCi/L	U			1	E900.0	09/04/08 18:47/eli-c
Gross Alpha precision (±)	5.7	pCi/L				1	E900.0	09/04/08 18:47/eli-c
Gross Alpha MDC	9.0	pCi/L				1	E900.0	09/04/08 18:47/eli-c
Gross Beta	-7	pCi/L	U			1	E900.0	09/04/08 18:47/eli-c
Gross Beta precision (±)	5.4	pCi/L				1	E900.0	09/04/08 18:47/eli-c
Gross Beta MDC	9.2	pCi/L				1	E900.0	09/04/08 18:47/eli-c
Gross Gamma	0	pCi/L	U	20.0		1	E901.1	08/08/08 07:23/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070340-002
Client Sample ID: DewBurd PSC02

Report Date: 10/01/08
Collection Date: 07/18/08 14:25
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Gross Gamma precision (±)	20	pCi/L				1	E901.1	08/08/08 07:23/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Lead 210	0	pCi/L	U			1	E909.0M	09/24/08 17:25/eli-c
Lead 210 precision (±)	8	pCi/L				1	E909.0M	09/24/08 17:25/eli-c
Lead 210 MDC	14	pCi/L				1	E909.0M	09/24/08 17:25/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	09/24/08 17:25/eli-c
Polonium 210 precision (±)	0.59	pCi/L				1	RMO-3008	09/24/08 17:25/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	09/24/08 17:25/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	09/24/08 17:25/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	09/24/08 17:25/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	09/24/08 17:25/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	09/24/08 17:25/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0002		1	E245.1	07/29/08 12:23/eli-b
DATA QUALITY								
A/C Balance (± 5)	6.31	%				1	A1030 E	09/25/08 00:00/jmh
Anions	20.2	meq/L				1	A1030 E	09/25/08 00:00/jmh
Cations	23.0	meq/L				1	A1030 E	09/25/08 00:00/jmh
Solids, Total Dissolved Calculated	1410	mg/L				1	A1030 E	09/25/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.07					1	A1030 E	09/25/08 00:00/jmh

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080722A-ALK-SEL-W	
Sample ID: LCS1_080722A	Laboratory Control Sample				Run: PH_COND1-R_080722A			07/22/08 08:58	
Alkalinity, Total as CaCO3	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080722A	Method Blank				Run: PH_COND1-R_080722A			07/22/08 08:59	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Method: A2510 B								Batch: 080722_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722C			07/22/08 09:53	
Conductivity @ 25 C	1430	umhos/cm	5.0	101	90	110			
Sample ID: LCS1-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722C			07/22/08 09:54	
Conductivity @ 25 C	153	umhos/cm	5.0	102	90	110			
Sample ID: LCS2-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722C			07/22/08 09:55	
Conductivity @ 25 C	5140	umhos/cm	5.0	103	90	110			
Sample ID: MBLK-1_080722	Method Blank				Run: PH_COND2-R_080722C			07/22/08 09:56	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08070357-001BDUP	Sample Duplicate				Run: PH_COND2-R_080722C			07/22/08 10:07	
Conductivity @ 25 C	666	umhos/cm	5.0				0.9	10	
Method: A2540 C								Batch: 080723A-SLDS-TDS-W	
Sample ID: LCS1_080723A	Laboratory Control Sample				Run: BAL-4-R_080724B			07/23/08 11:36	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080723A	Method Blank				Run: BAL-4-R_080724B			07/23/08 11:37	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08070340-001CMS	Sample Matrix Spike				Run: BAL-4-R_080724B			07/24/08 00:00	
Solids, Total Dissolved TDS @ 180 C	1800	mg/L	5.0	96	80	120			
Sample ID: R08070340-001CMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080724B			07/24/08 00:00	
Solids, Total Dissolved TDS @ 180 C	1800	mg/L	5.0	110	80	120	1.5	10	
Method: A2540 D								Batch: 080721A-SLDS-TSS-W	
Sample ID: LCS1_080721A	Laboratory Control Sample				Run: BAL-4-R_080721B			07/21/08 14:54	
Solids, Total Suspended TSS @ 105 C	190	mg/L	5.0	97	85	115			
Sample ID: MBLK1_080721A	Method Blank				Run: BAL-4-R_080721B			07/21/08 14:55	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: R08070340-002CDUP	Sample Duplicate				Run: BAL-4-R_080721B			07/21/08 15:06	
Solids, Total Suspended TSS @ 105 C	2100	mg/L	5.0				4.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-080811B	
Sample ID: MBLK	Method Blank				Run: SUB-C105689			08/11/08 13:51	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample				Run: SUB-C105689			08/11/08 13:53	
Selenium-IV	0.053	mg/L	0.0010	107	90	110			
Sample ID: R08070340-001A	Sample Matrix Spike				Run: SUB-C105689			08/11/08 14:00	
Selenium-IV	0.050	mg/L	0.0010	100	85	115			
Sample ID: R08070340-001A	Sample Matrix Spike Duplicate				Run: SUB-C105689			08/11/08 14:02	
Selenium-IV	0.049	mg/L	0.0010	97	85	115	2.6	10	
Sample ID: R08070340-001H	Sample Matrix Spike				Run: SUB-C105689			08/11/08 14:17	
Selenium-IV	0.050	mg/L	0.0010	100	85	115			
Sample ID: R08070340-001H	Sample Matrix Spike Duplicate				Run: SUB-C105689			08/11/08 14:19	
Selenium-IV	0.050	mg/L	0.0010	100	85	115	0.6	10	
Method: A3114 B								Batch: C_SE3114-080811C	
Sample ID: MBLK	Method Blank				Run: SUB-C105710			08/11/08 16:23	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-114-6	Laboratory Control Sample				Run: SUB-C105710			08/11/08 16:32	
Selenium	0.054	mg/L	0.0010	107	90	110			
Sample ID: R08070340-001A	Sample Matrix Spike				Run: SUB-C105710			08/11/08 16:38	
Selenium	0.054	mg/L	0.0010	108	85	115			
Sample ID: R08070340-001A	Sample Matrix Spike Duplicate				Run: SUB-C105710			08/11/08 16:40	
Selenium	0.054	mg/L	0.0010	107	85	115	0.9	10	
Sample ID: R08070340-001H	Sample Matrix Spike				Run: SUB-C105710			08/11/08 16:55	
Selenium	0.052	mg/L	0.0010	105	85	115			
Sample ID: R08070340-001H	Sample Matrix Spike Duplicate				Run: SUB-C105710			08/11/08 16:57	
Selenium	0.052	mg/L	0.0010	105	85	115	0.3	10	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B								Batch: 080719-CR-HEX-W	
Sample ID: MBLK	Method Blank				Run: SPEC1_080719B				07/19/08 00:00
Chromium, Hexavalent	ND	mg/L	0.005						
Sample ID: LCS	Laboratory Control Sample				Run: SPEC1_080719B				07/19/08 00:00
Chromium, Hexavalent	0.20	mg/L	0.0050	100	80	120			
Sample ID: R08070340-001E	Sample Matrix Spike				Run: SPEC1_080719B				07/19/08 00:00
Chromium, Hexavalent	0.17	mg/L	0.0050	85	80	120			
Sample ID: R08070340-002E	Sample Matrix Spike				Run: SPEC1_080719B				07/19/08 00:00
Chromium, Hexavalent	0.19	mg/L	0.0050	95	80	120			
Method: A4500-H B								Batch: 080722_1_PH-W	
Sample ID: LCS_pH-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722A				07/22/08 09:14
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R08070352-003CDUP	Sample Duplicate				Run: PH_COND2-R_080722A				07/22/08 09:33
pH	7.83	s.u.	0.010				0	1.25	
Method: A4500-NH3 G								Batch: A2008-07-21_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080721A				07/21/08 10:11
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080721A				07/21/08 10:12
Nitrogen, Ammonia as N	0.25	mg/L	0.10	99	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080721A				07/21/08 10:13
Nitrogen, Ammonia as N	0.24	mg/L	0.10	96	90	110			
Sample ID: R08070340-002FMS	Sample Matrix Spike				Run: TECHAA2-R_080721A				07/21/08 13:38
Nitrogen, Ammonia as N	0.44	mg/L	0.10	115	80	120			
Sample ID: R08070340-002FMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080721A				07/21/08 13:39
Nitrogen, Ammonia as N	0.43	mg/L	0.10	113	80	120	1.1	10	
Method: A9222 D								Batch: 080719-BCT-FCB-W-MF	
Sample ID: MBLK	Method Blank				Run: MEMFILT_080717B				07/19/08 14:20
Bacteria, Fecal Coliform	ND	CFU/100ml	1						

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_19227
Sample ID: MB-19227	Method Blank				Run: SUB-C104879				07/25/08 20:57
Aluminum	0.004	mg/L	0.002						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Vanadium	ND	mg/L	0.005						
Zinc	ND	mg/L	0.001						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Silica	ND	mg/L	0.01						
Sodium	ND	mg/L	0.5						
Sample ID: LCS3-19227	Laboratory Control Sample				Run: SUB-C104879				07/25/08 21:01
Aluminum	2.32	mg/L	0.10	93	85	115			
Barium	0.491	mg/L	0.10	98	85	115			
Boron	0.486	mg/L	0.10	97	85	115			
Chromium	0.487	mg/L	0.050	97	85	115			
Copper	0.488	mg/L	0.010	98	85	115			
Iron	2.51	mg/L	0.030	100	85	115			
Manganese	2.47	mg/L	0.010	99	85	115			
Molybdenum	0.487	mg/L	0.10	97	85	115			
Nickel	0.483	mg/L	0.050	97	85	115			
Vanadium	0.431	mg/L	0.10	86	85	115			
Zinc	0.488	mg/L	0.010	98	85	115			
Calcium	25.3	mg/L	1.0	101	85	115			
Magnesium	25.0	mg/L	1.0	100	85	115			
Potassium	24.6	mg/L	1.0	98	85	115			
Silica	5.25	mg/L	0.10	105	85	115			
Sodium	24.2	mg/L	1.0	97	85	115			
Sample ID: C08071066-001HMS3	Sample Matrix Spike				Run: SUB-C104879				07/25/08 22:22
Aluminum	3.03	mg/L	0.10	109	70	130			
Barium	0.568	mg/L	0.10	102	70	130			
Boron	0.673	mg/L	0.10	105	70	130			
Chromium	0.507	mg/L	0.050	101	70	130			
Copper	0.527	mg/L	0.010	105	70	130			
Iron	3.13	mg/L	0.030	109	70	130			
Manganese	2.77	mg/L	0.010	102	70	130			

Qualifiers:
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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_19227
Sample ID: C08071066-001HMS3	Sample Matrix Spike				Run: SUB-C104879				07/25/08 22:22
Molybdenum	0.517	mg/L	0.10	103	70	130			
Nickel	0.514	mg/L	0.050	100	70	130			
Vanadium	0.502	mg/L	0.10	100	70	130			
Zinc	0.801	mg/L	0.010	106	70	130			
Calcium	186	mg/L	1.0		70	130			A
Magnesium	73.9	mg/L	1.0	109	70	130			
Potassium	36.9	mg/L	1.0	99	70	130			
Silica	14.0	mg/L	0.10	123	70	130			
Sodium	89.3	mg/L	1.1	113	70	130			
Sample ID: C08071066-001HMSD3	Sample Matrix Spike Duplicate				Run: SUB-C104879				07/25/08 22:26
Aluminum	2.75	mg/L	0.10	98	70	130	9.7	20	
Barium	0.561	mg/L	0.10	101	70	130	1.2	20	
Boron	0.650	mg/L	0.10	101	70	130	3.5	20	
Chromium	0.494	mg/L	0.050	99	70	130	2.6	20	
Copper	0.509	mg/L	0.010	102	70	130	3.4	20	
Iron	3.06	mg/L	0.030	106	70	130	2.1	20	
Manganese	2.72	mg/L	0.010	101	70	130	1.7	20	
Molybdenum	0.507	mg/L	0.10	101	70	130	1.8	20	
Nickel	0.497	mg/L	0.050	97	70	130	3.5	20	
Vanadium	0.469	mg/L	0.10	94	70	130	6.8	20	
Zinc	0.778	mg/L	0.010	102	70	130	2.9	20	
Calcium	185	mg/L	1.0		70	130	0.9	20	A
Magnesium	73.9	mg/L	1.0	109	70	130	0	20	
Potassium	37.6	mg/L	1.0	102	70	130	1.9	20	
Silica	13.6	mg/L	0.10	116	70	130	2.3	20	
Sodium	87.4	mg/L	1.1	105	70	130	2.1	20	

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R105315
Sample ID: MB-080804A	Method Blank				Run: SUB-C105315				08/04/08 14:39
Silica	0.06	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.003	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080804A	Laboratory Fortified Blank				Run: SUB-C105315				08/04/08 14:43
Silica	0.50	mg/L	0.10	111	85	125			
Aluminum	1.0	mg/L	0.10	102	85	125			
Barium	1.0	mg/L	0.10	104	85	125			
Boron	1.0	mg/L	0.10	104	85	125			
Calcium	57	mg/L	0.50	114	85	125			
Chromium	1.0	mg/L	0.050	105	85	125			
Iron	1.1	mg/L	0.030	114	85	125			
Magnesium	56	mg/L	0.50	112	85	125			
Manganese	1.0	mg/L	0.010	104	85	125			
Molybdenum	1.0	mg/L	0.10	102	85	125			
Nickel	1.0	mg/L	0.050	104	85	125			
Potassium	47	mg/L	0.50	94	85	125			
Sodium	51	mg/L	0.77	102	85	125			
Vanadium	1.1	mg/L	0.10	112	85	125			
Zinc	1.1	mg/L	0.010	106	85	125			
Sample ID: C08070127-001BMS2	Sample Matrix Spike				Run: SUB-C105315				08/04/08 14:51
Aluminum	9.78	mg/L	0.10	98	70	130			
Barium	10.1	mg/L	0.10	100	70	130			
Boron	12.6	mg/L	0.10	100	70	130			
Chromium	10.0	mg/L	0.050	100	70	130			
Iron	10.9	mg/L	0.047	109	70	130			
Manganese	10.2	mg/L	0.010	102	70	130			
Molybdenum	9.81	mg/L	0.10	98	70	130			
Nickel	9.96	mg/L	0.050	100	70	130			
Vanadium	10.7	mg/L	0.10	107	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R105315
Sample ID: C08070127-001BMS2	Sample Matrix Spike				Run: SUB-C105315				08/04/08 14:51
Zinc	10.2	mg/L	0.022	102	70	130			
Calcium	723	mg/L	1.1	110	70	130			
Magnesium	599	mg/L	1.0	109	70	130			
Potassium	513	mg/L	1.0	92	70	130			
Silica	10.8	mg/L	0.21	106	70	130			
Sodium	1190	mg/L	7.7	100	70	130			
Sample ID: C08070127-001BMSD2	Sample Matrix Spike Duplicate				Run: SUB-C105315				08/04/08 14:56
Aluminum	9.32	mg/L	0.10	93	70	130	4.8	20	
Barium	10.0	mg/L	0.10	99	70	130	1.1	20	
Boron	12.6	mg/L	0.10	100	70	130	0	20	
Chromium	9.92	mg/L	0.050	99	70	130	1.1	20	
Iron	10.6	mg/L	0.047	106	70	130	3.2	20	
Manganese	9.90	mg/L	0.010	99	70	130	2.9	20	
Molybdenum	9.74	mg/L	0.10	97	70	130	0.7	20	
Nickel	9.80	mg/L	0.050	98	70	130	1.5	20	
Vanadium	10.6	mg/L	0.10	106	70	130	1	20	
Zinc	9.93	mg/L	0.022	99	70	130	2.4	20	
Calcium	713	mg/L	1.1	108	70	130	1.4	20	
Magnesium	591	mg/L	1.0	107	70	130	1.4	20	
Potassium	514	mg/L	1.0	92	70	130	0.2	20	
Silica	10.8	mg/L	0.21	106	70	130	0.3	20	
Sodium	1210	mg/L	7.7	104	70	130	1.4	20	
Method: E200.7_8									Batch: C_19227
Sample ID: MB-19227	Method Blank				Run: SUB-C105327				08/04/08 19:15
Arsenic	0.0007	mg/L	0.0002						
Cadmium	ND	mg/L	8E-05						
Lead	ND	mg/L	3E-05						
Silver	ND	mg/L	9E-05						
Thorium 232	0.0002	mg/L	6E-05						
Uranium	0.0007	mg/L	4E-05						
Sample ID: LCS3-19227	Laboratory Control Sample				Run: SUB-C105327				08/04/08 19:49
Arsenic	0.483	mg/L	0.0020	96	85	115			
Cadmium	0.241	mg/L	0.010	96	85	115			
Lead	0.483	mg/L	0.050	97	85	115			
Silver	0.0469	mg/L	0.010	94	85	115			
Thorium 232	0.493	mg/L	0.0010	99	85	115			
Uranium	0.494	mg/L	0.00040	99	85	115			

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_19227
Sample ID: C08071066-001HMS3	Sample Matrix Spike				Run: SUB-C105327				08/04/08 20:43
Arsenic	0.503	mg/L	0.0010	101	70	130			
Cadmium	0.246	mg/L	0.0010	98	70	130			
Lead	0.511	mg/L	0.0010	102	70	130			
Silver	0.0474	mg/L	0.010	119	70	130			
Thorium 232	0.541	mg/L	0.0010	108	70	130			
Uranium	0.633	mg/L	0.00030	110	70	130			
Sample ID: C08071066-001HMSD3	Sample Matrix Spike Duplicate				Run: SUB-C105327				08/04/08 21:17
Arsenic	0.501	mg/L	0.0010	100	70	130	0.3	20	
Cadmium	0.250	mg/L	0.0010	99	70	130	1.7	20	
Lead	0.512	mg/L	0.0010	102	70	130	0.2	20	
Silver	0.0479	mg/L	0.010	120	70	130	1.1	20	
Thorium 232	0.538	mg/L	0.0010	108	70	130	0.4	20	
Uranium	0.630	mg/L	0.00030	109	70	130	0.5	20	
Method: E200.8									Batch: C_19232
Sample ID: MB-19232	Method Blank				Run: SUB-C104868				07/27/08 04:58
Thorium 232	0.0004	mg/L							
Uranium	6E-05	mg/L							
Sample ID: LCS1-19232	Laboratory Control Sample				Run: SUB-C104868				07/27/08 05:15
Thorium 232	0.0487	mg/L	0.0010	92	80	120			
Uranium	0.0467	mg/L	0.00030	89	80	120			
Sample ID: C08071003-002KMS4	Post Digestion Spike				Run: SUB-C104868				07/27/08 05:35
Thorium 232	0.0132	mg/L	0.0010	94	70	130			
Uranium	0.0128	mg/L	0.00030	95	70	130			
Sample ID: C08071003-002KMSD4	Post Digestion Spike Duplicate				Run: SUB-C104868				07/27/08 05:39
Thorium 232	0.0131	mg/L	0.0010	93	70	130	0.6	20	
Uranium	0.0128	mg/L	0.00030	95	70	130	0.1	20	

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R105327
Sample ID: LRB	Method Blank				Run: SUB-C105327				08/04/08 12:41
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C105327				08/04/08 12:47
Arsenic	0.0525	mg/L	0.0010	105	85	115			
Cadmium	0.0523	mg/L	0.0010	105	85	115			
Copper	0.0533	mg/L	0.0010	107	85	115			
Lead	0.0534	mg/L	0.0010	107	85	115			
Mercury	0.00543	mg/L	0.0010	108	85	115			
Silver	0.0209	mg/L	0.0010	105	85	115			
Thorium 232	0.0528	mg/L	0.0010	106	85	115			
Uranium	0.0531	mg/L	0.00030	106	85	115			
Sample ID: C08071011-006BMS4	Post Digestion Spike				Run: SUB-C105327				08/05/08 02:48
Arsenic	0.0525	mg/L	0.0010	104	70	130			
Cadmium	0.0499	mg/L	0.010	99	70	130			
Copper	0.0485	mg/L	0.010	93	70	130			
Lead	0.0518	mg/L	0.050	101	70	130			
Mercury	0.00523	mg/L	0.0010	105	70	130			
Silver	0.0159	mg/L	0.010	79	70	130			
Thorium 232	0.0516	mg/L	0.0010	103	70	130			
Uranium	0.107	mg/L	0.00030	107	70	130			
Sample ID: C08071011-006BMSD4	Post Digestion Spike Duplicate				Run: SUB-C105327				08/05/08 03:22
Arsenic	0.0531	mg/L	0.0010	105	70	130	1.1	20	
Cadmium	0.0503	mg/L	0.010	99	70	130	0.7	20	
Copper	0.0502	mg/L	0.010	97	70	130	3.5	20	
Lead	0.0518	mg/L	0.050	101	70	130	0.1	20	
Mercury	0.00515	mg/L	0.0010	103	70	130	1.6	20	
Silver	0.0145	mg/L	0.010	73	70	130	8.7	20	
Thorium 232	0.0521	mg/L	0.0010	104	70	130	0.9	20	
Uranium	0.108	mg/L	0.00030	109	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: B_33735
Sample ID: MB-33735	Method Blank				Run: SUB-B114848				07/29/08 11:25
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33735	Laboratory Fortified Blank				Run: SUB-B114848				07/29/08 11:32
Mercury	0.0018	mg/L	0.0010	89	85	115			
Sample ID: B08072374-001BMS	Sample Matrix Spike				Run: SUB-B114848				07/29/08 12:18
Mercury	0.0022	mg/L	0.0010	107	70	130			
Sample ID: B08072374-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-B114848				07/29/08 12:21
Mercury	0.0021	mg/L	0.0010	103	70	130	4.8	30	
Method: E300.0									Batch: R36265
Sample ID: LFB0807215435-3	Laboratory Fortified Blank				Run: DIONEX_080721A				07/21/08 17:59
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	2.02	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.34	mg/L	0.10	94	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0807215435-4	Laboratory Fortified Blank				Run: DIONEX_080721A				07/21/08 18:15
Chloride	4.89	mg/L	0.50	98	90	110			
Fluoride	2.08	mg/L	0.10	104	90	110			
Nitrogen, Nitrate as N	2.41	mg/L	0.10	96	90	110			
Sulfate	14.5	mg/L	1.0	97	90	110			
Sample ID: R08070340-001CMS	Sample Matrix Spike				Run: DIONEX_080721A				07/21/08 18:48
Chloride	252	mg/L	5.4	95	80	120			
Fluoride	107	mg/L	0.56	107	80	120			
Nitrogen, Nitrate as N	123	mg/L	1.3	99	80	120			
Sulfate	1620	mg/L	3.4	85	80	120			
Sample ID: R08070340-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080721A				07/21/08 19:04
Chloride	241	mg/L	5.4	90	80	120	4.2	10	
Fluoride	102	mg/L	0.56	102	80	120	4.2	10	
Nitrogen, Nitrate as N	118	mg/L	1.3	95	80	120	4.2	10	
Sulfate	1590	mg/L	3.4	82	80	120	1.4	10	

Qualifiers:
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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0510	
Sample ID: MB-GrAB-0510	Method Blank				Run: SUB-C107110			09/04/08 06:47	
Gross Alpha	-0.1	pCi/L							U
Gross Beta	-2	pCi/L							
Sample ID: UNAT-GrAB-0510	Laboratory Control Sample				Run: SUB-C107110			09/04/08 06:47	
Gross Alpha	120	pCi/L		87	70	130			
Sample ID: Cs137-GrAB-0510	Laboratory Control Sample				Run: SUB-C107110			09/04/08 06:47	
Gross Beta	77	pCi/L		84	70	130			
Sample ID: C08070835-001AMS	Sample Matrix Spike				Run: SUB-C107110			09/04/08 18:47	
Gross Alpha	128	pCi/L		92	70	130			
Sample ID: C08070835-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C107110			09/04/08 18:47	
Gross Alpha	121	pCi/L		88	70	130	5.2	16.7	
Sample ID: C08070835-001AMS	Sample Matrix Spike				Run: SUB-C107110			09/04/08 18:47	
Gross Beta	76.3	pCi/L		86	70	130			
Sample ID: C08070835-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C107110			09/04/08 18:47	
Gross Beta	74.2	pCi/L		84	70	130	2.8	16.1	
Method: E901.1								Batch: C_R105938	
Sample ID: LCS-R105938	Laboratory Control Sample				Run: SUB-C105938			08/08/08 07:23	
Cesium 137	39300	pCi/L	20	102	70	130			
Cobalt 60	38200	pCi/L	20	95	70	130			
Sample ID: MB-R105938	Method Blank				Run: SUB-C105938			08/08/08 07:23	
Gross Gamma	ND	pCi/L							
Sample ID: C08071122-003IDUP	Sample Duplicate				Run: SUB-C105938			08/08/08 07:23	
Gross Gamma	ND	pCi/L	20				0	30	
Method: E903.0								Batch: C_19232	
Sample ID: R08070244-010I	Sample Matrix Spike				Run: SUB-C105907			08/11/08 09:37	
Radium 226	44	pCi/L		100	70	130			
Sample ID: R08070244-010I	Sample Matrix Spike Duplicate				Run: SUB-C105907			08/11/08 09:37	
Radium 226	43	pCi/L		97	70	130	2.1	24.1	
Sample ID: MB-19232	Method Blank				Run: SUB-C105907			08/11/08 11:25	
Radium 226	-1	pCi/L							U
Sample ID: LCS-19232	Laboratory Control Sample				Run: SUB-C105907			08/11/08 14:02	
Radium 226	86	pCi/L		104	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-3003
Sample ID: C08070969-001DMS	Sample Matrix Spike				Run: SUB-C106301				08/19/08 00:04
Radium 226	14	pCi/L		84	70	130			
Sample ID: C08070969-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C106301				08/19/08 00:04
Radium 226	15	pCi/L		94	70	130	10	26.1	
Sample ID: MB-RA226-3003	Method Blank				Run: SUB-C106301				08/19/08 08:44
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-3003	Laboratory Control Sample				Run: SUB-C106301				08/19/08 08:44
Radium 226	8.2	pCi/L		106	70	130			
Method: E907.0									Batch: C_19232
Sample ID: C08071003-001KMS	Sample Matrix Spike				Run: SUB-C105778				08/10/08 17:23
Thorium 230	22.3	pCi/L	0.20	96	70	130			
Sample ID: C08071003-001KMSD	Sample Matrix Spike Duplicate				Run: SUB-C105778				08/10/08 17:23
Thorium 230	21.3	pCi/L	0.20	90	70	130	4.3	30	
Sample ID: LCS-19232	Laboratory Control Sample				Run: SUB-C105778				08/10/08 17:23
Thorium 230	45.0	pCi/L	0.20	88	70	130			
Sample ID: MB-19232	Method Blank				Run: SUB-C105778				08/10/08 21:35
Thorium 230	0.1	pCi/L							U
Method: E907.0									Batch: C_RA-TH-ISO-0601
Sample ID: LCS-RA-TH-ISO-0601	Laboratory Control Sample				Run: SUB-C106357				08/21/08 08:57
Thorium 230	6.02	pCi/L	0.20	99	70	130			
Sample ID: C08070904-016DMS	Sample Matrix Spike				Run: SUB-C106357				08/21/08 09:09
Thorium 230	12.5	pCi/L	0.20	102	70	130			
Sample ID: C08070904-016DMSD	Sample Matrix Spike Duplicate				Run: SUB-C106357				08/21/08 09:10
Thorium 230	12.5	pCi/L	0.20	102	70	130	0	30	
Sample ID: MB-RA-TH-ISO-0601	Method Blank				Run: SUB-C106357				08/20/08 21:32
Thorium 230	-0.04	pCi/L							U

Qualifiers:

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_19232
Sample ID: C08070935-001FMS	Sample Matrix Spike				Run: SUB-C106570				08/11/08 09:30
Lead 210	1200	pCi/L		100	70	130			
Sample ID: C08070935-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C106570				08/11/08 09:30
Lead 210	1300	pCi/L		107	70	130	7.4	30	
Sample ID: MB-R106570	Method Blank				Run: SUB-C106570				08/11/08 09:30
Lead 210	1	pCi/L							U
Sample ID: LCS-R106570	Laboratory Control Sample				Run: SUB-C106570				08/11/08 09:30
Lead 210	140	pCi/L		117	70	130			
Method: E909.0M									Batch: C_R106578
Sample ID: C08070869-003EMS	Sample Matrix Spike				Run: SUB-C106578				08/11/08 10:51
Lead 210	600	pCi/L		102	70	130			
Sample ID: C08070869-003EMSD	Sample Matrix Spike Duplicate				Run: SUB-C106578				08/11/08 10:51
Lead 210	540	pCi/L		92	70	130	10	30	
Sample ID: R08070340-001J	Sample Duplicate				Run: SUB-C106578				08/11/08 10:51
Lead 210	4.6	pCi/L					71	30	UR
- The Sample and the Duplicate are both below the MDC; the RPD is acceptable.									
Sample ID: MB-R106578	Method Blank				Run: SUB-C106578				08/11/08 10:51
Lead 210	6	pCi/L							U
Sample ID: LCS-R106578	Laboratory Control Sample				Run: SUB-C106578				08/11/08 10:51
Lead 210	100	pCi/L		83	70	130			
Method: RMO-3008									Batch: C_19232
Sample ID: C08071003-002KMS	Sample Matrix Spike				Run: SUB-C105985				08/08/08 16:32
Polonium 210	39	pCi/L	1.0	95	70	130			
Sample ID: C08071003-002KMSD	Sample Matrix Spike Duplicate				Run: SUB-C105985				08/08/08 16:32
Polonium 210	44	pCi/L	1.0	109	70	130	13	30	
Sample ID: LCS-19232	Laboratory Control Sample				Run: SUB-C105985				08/08/08 16:32
Polonium 210	86	pCi/L	1.0	105	70	130			
Sample ID: MB-19232	Method Blank				Run: SUB-C105985				08/08/08 16:32
Polonium 210	0.6	pCi/L							U

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 10/01/08
Work Order: R08070340

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R106673
Sample ID: C08071095-001EMS	Sample Matrix Spike				Run: SUB-C106673				08/21/08 17:30
Polonium 210	53	pCi/L	1.0	93	70	130			
Sample ID: C08071095-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C106673				08/21/08 17:30
Polonium 210	47	pCi/L	1.0	83	70	130	12	30	
Sample ID: LCS-R106673	Laboratory Control Sample				Run: SUB-C106673				08/21/08 17:30
Polonium 210	43	pCi/L	1.0	77	70	130			
Sample ID: MB-R106673	Method Blank				Run: SUB-C106673				08/21/08 17:30
Polonium 210	0.4	pCi/L							U

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

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
~~Powertech DB~~ RESPEC	Powertech DB	State: SD	Yes ☐ No ☐
Report Mail Address:	Contact Name: Phone/Fax: cory.foreman@respec.com	Email:	Sampler: (Please Print) Eric Kontz
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

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

ANALYSIS REQUESTED: All SW As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 5.1 °C

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Number of Containers / Sample Type: A W S V B O / Air Water Soils/Solids Vegetation Bioassay Other	Comments	LABORATORY USE ONLY
1	DewBurdUNT01	7/18/08		W		passive sampler bottle	0807034 0-001
2	DewBurd PSC01	7/18/08	12:40	W		set 19	
3	DewBurd PSC02	7/18/08	14:25	W		set 6	002
4							
5							
6							
7							
8							
9							
10							

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Kontz	7/19/08 0650	[signature]	Theresa Bultema	07-19-08 1400	Theresa Bultema
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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

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** REPORT **

RESPEC Inc
Cory Foreman
3824 Jet Dr
Rapid City SD 57701

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ANALYTICAL SUMMARY REPORT

September 10, 2008

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

Workorder No.: R08070342 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 7/19/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08070342-001	DewBurd UNT01	07/18/08 0:00	07/19/08	Aqueous	Metals by ICP/ICPMS, Dissolved
					Metals by ICP/ICPMS, Suspended
					Metals by ICP/ICPMS, Total
					Alkalinity
					Anion - Cation Balance
					Conductivity
					Mercury, Total
					Selenium, Dissolved
					Selenium, Dissolved
					Selenium, Dissolved
					Anions by Ion Chromatography
					Nitrogen, Ammonia
					pH
					Metals Digestion by EPA 200.2
					Digestion, Total Metals
					Digestion, Total Metals
					Dissolved Filtration
					Digestion, Mercury by CVAA
					Gross Alpha, Gross Beta
					Gross Gamma
					Radium 226, Dissolved
					Radium 226, Suspended
					Radium 226, Total
					Thorium, Isotopic
					Thorium, Suspended Isotopic
					Thorium, Isotopic
					Sodium Adsorption Ratio
					Suspended Sediment Concentration
					Solids, Total Dissolved
					Solids, Total Suspended

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

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

Report Approved By:

Linda Larson
Rapid City - Project Manager

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Date: *10-Sep-08*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08070342

CASE NARRATIVE

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

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

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

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

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

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

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08071121

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

ANALYSIS COMMENTS
The sample specific Minimum Detectable Concentration (MDC) as required by USNRC Regulatory Guide 4.14 could not be achieved on all Radiochemical analyses.
End of comments imported for SUBBED Workorder: C08071121

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070342-001
Client Sample ID: DewBurd UNT01

Report Date: 09/10/08
Collection Date: 07/18/08
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	07/22/08 10:32/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/22/08 10:32/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	07/22/08 10:32/mb
Calcium	51.6	mg/L		0.5		1	E200.7	08/07/08 19:07/eli-c
Chloride	1	mg/L		1		1	E300.0	07/21/08 20:26/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	07/21/08 20:26/jmh
Magnesium	22.4	mg/L		0.5		1	E200.7	08/07/08 19:07/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	07/30/08 12:05/jmh
Nitrogen, Nitrate as N	0.6	mg/L		0.1		1	E300.0	07/21/08 20:26/jmh
Potassium	8	mg/L		1		1	E200.7	08/07/08 19:07/eli-c
Silica	0.8	mg/L		0.5		1	E200.7	08/07/08 19:07/eli-c
Sodium	2.5	mg/L		0.5		1	E200.7	08/07/08 19:07/eli-c
Sulfate	278	mg/L	D	3		50	E300.0	07/21/08 20:10/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	536	umhos/cm		5.0		1	A2510 B	07/22/08 09:59/tb
pH	4.91	s.u.		0.01		1	A4500-H B	07/22/08 09:22/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	09/03/08 14:21/ADM
Solids, Suspended Sediment SSC @ 105 C	291	mg/L		5		1	D3977	07/24/08 00:00/mb
Solids, Total Dissolved TDS @ 180 C	380	mg/L		5		1	A2540 C	07/23/08 11:46/mb
Solids, Total Suspended TSS @ 105 C	290	mg/L		5		1	A2540 D	07/21/08 15:07/mb
METALS - DISSOLVED								
Aluminum	0.4	mg/L		0.1		1	E200.8	08/06/08 17:04/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	08/05/08 19:34/eli-c
Barium	ND	mg/L		0.1		1	E200.8	08/05/08 19:34/eli-c
Boron	ND	mg/L		0.1		1	E200.7	08/07/08 19:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/05/08 19:34/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	08/05/08 19:34/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/05/08 19:34/eli-c
Iron	0.05	mg/L		0.03		1	E200.7	08/07/08 19:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/05/08 19:34/eli-c
Manganese	3.87	mg/L		0.01		1	E200.8	08/05/08 19:34/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/05/08 19:34/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	08/05/08 19:34/eli-c
Nickel	0.09	mg/L		0.01		1	E200.8	08/05/08 19:34/eli-c
Silver	ND	mg/L		0.005		1	E200.8	08/06/08 17:04/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	08/05/08 19:34/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	08/05/08 19:34/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070342-001
Client Sample ID: DewBurd UNT01

Report Date: 09/10/08
Collection Date: 07/18/08
Date Received: 07/19/08
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	08/05/08 19:34/eli-c
Zinc	0.06	mg/L		0.01		1	E200.8	08/05/08 19:34/eli-c
METALS - SUSPENDED								
Thorium 232	0.002	mg/L		0.001		1	E200.8	08/14/08 16:27/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	07/29/08 18:31/eli-c
METALS - TOTAL								
Aluminum	8.1	mg/L		0.1		2	E200.7	08/04/08 18:37/eli-c
Arsenic	0.030	mg/L		0.001		10	E200.8	08/01/08 01:41/eli-c
Barium	ND	mg/L		0.1		10	E200.8	08/01/08 01:41/eli-c
Boron	ND	mg/L		0.1		2	E200.7	08/04/08 18:37/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	08/01/08 01:41/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	08/01/08 01:41/eli-c
Copper	0.01	mg/L		0.01		10	E200.8	08/01/08 01:41/eli-c
Iron	8.93	mg/L		0.03		2	E200.7	08/04/08 18:37/eli-c
Lead	0.008	mg/L		0.001		10	E200.8	08/01/08 01:41/eli-c
Manganese	5.06	mg/L		0.01		10	E200.8	08/01/08 01:41/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	08/01/08 01:41/eli-c
Nickel	0.11	mg/L		0.05		10	E200.8	08/01/08 01:41/eli-c
Silver	ND	mg/L		0.005		10	E200.8	08/01/08 12:24/eli-c
Thorium 232	ND	mg/L		0.005		10	E200.8	08/01/08 12:24/eli-c
Uranium	0.0009	mg/L		0.0003		10	E200.8	08/01/08 01:41/eli-c
Vanadium	0.2	mg/L	D	0.2		10	E200.8	08/01/08 01:41/eli-c
Zinc	0.09	mg/L		0.01		10	E200.8	08/01/08 01:41/eli-c
Calcium	59.2	mg/L		0.5		2	E200.7	08/04/08 18:37/eli-c
Magnesium	24.8	mg/L		0.5		2	E200.7	08/04/08 18:37/eli-c
Potassium	10.1	mg/L		0.5		2	E200.7	08/04/08 18:37/eli-c
Silica	12.5	mg/L		0.5		2	E200.7	08/04/08 18:37/eli-c
Sodium	2	mg/L	D	1		2	E200.7	08/04/08 18:37/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	08/15/08 15:22/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/15/08 11:44/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/15/08 15:52/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.2	pCi/L	U			1	E903.0	08/20/08 09:09/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/20/08 09:09/eli-c

Report Definitions:
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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.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070342-001
Client Sample ID: DewBurd UNT01

Report Date: 09/10/08
Collection Date: 07/18/08
Date Received: 07/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Radium 226 MDC	0.4	pCi/L				1	E903.0	08/20/08 09:09/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/18/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/18/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	0.03	pCi/L	U			1	E903.0	08/13/08 12:12/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/13/08 12:12/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	08/13/08 12:12/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/06/08 10:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/06/08 10:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	6.1	pCi/L				1	E900.0	08/24/08 15:05/eli-c
Gross Alpha precision (±)	1.4	pCi/L				1	E900.0	08/24/08 15:05/eli-c
Gross Alpha MDC	1.6	pCi/L				1	E900.0	08/24/08 15:05/eli-c
Gross Beta	12.6	pCi/L				1	E900.0	08/24/08 15:05/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	08/24/08 15:05/eli-c
Gross Beta MDC	3.3	pCi/L				1	E900.0	08/24/08 15:05/eli-c
Gross Gamma	221	pCi/L		20.0		1	E901.1	08/08/08 07:23/eli-c
Gross Gamma precision (±)	83.3	pCi/L				1	E901.1	08/08/08 07:23/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	0.3	pCi/L	U			1	E903.0	09/01/08 12:46/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	09/01/08 12:46/eli-c
Thorium 230	-0.02	pCi/L	U	0.2		1	E907.0	09/01/08 12:46/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	09/01/08 12:46/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0002		1	E245.1	07/29/08 12:25/eli-b
DATA QUALITY								
A/C Balance (± 5)	-7.33	%				1	A1030 E	09/05/08 00:00/jmh
Anions	5.89	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	5.09	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	369	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	09/05/08 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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080722A-ALK-SEL-W	
Sample ID: LCS1_080722A	Laboratory Control Sample				Run: PH_COND1-R_080722A			07/22/08 08:58	
Alkalinity, Total as CaCO3	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080722A	Method Blank				Run: PH_COND1-R_080722A			07/22/08 08:59	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Method: A2510 B								Batch: 080722_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722C			07/22/08 09:53	
Conductivity @ 25 C	1430	umhos/cm	5.0	101	90	110			
Sample ID: LCS1-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722C			07/22/08 09:54	
Conductivity @ 25 C	153	umhos/cm	5.0	102	90	110			
Sample ID: LCS2-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722C			07/22/08 09:55	
Conductivity @ 25 C	5140	umhos/cm	5.0	103	90	110			
Sample ID: MBLK-1_080722	Method Blank				Run: PH_COND2-R_080722C			07/22/08 09:56	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08070357-001BDUP	Sample Duplicate				Run: PH_COND2-R_080722C			07/22/08 10:07	
Conductivity @ 25 C	666	umhos/cm	5.0				0.9	10	
Method: A2540 C								Batch: 080723A-SLDS-TDS-W	
Sample ID: LCS1_080723A	Laboratory Control Sample				Run: BAL-4-R_080724B			07/23/08 11:36	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080723A	Method Blank				Run: BAL-4-R_080724B			07/23/08 11:37	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08070340-001CMS	Sample Matrix Spike				Run: BAL-4-R_080724B			07/24/08 00:00	
Solids, Total Dissolved TDS @ 180 C	1800	mg/L	5.0	96	80	120			
Sample ID: R08070340-001CMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080724B			07/24/08 00:00	
Solids, Total Dissolved TDS @ 180 C	1800	mg/L	5.0	110	80	120	1.5	10	
Method: A2540 D								Batch: 080721A-SLDS-TSS-W	
Sample ID: LCS1_080721A	Laboratory Control Sample				Run: BAL-4-R_080721B			07/21/08 14:54	
Solids, Total Suspended TSS @ 105 C	190	mg/L	5.0	97	85	115			
Sample ID: MBLK1_080721A	Method Blank				Run: BAL-4-R_080721B			07/21/08 14:55	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-0808015A	
Sample ID: MBLK	Method Blank				Run: SUB-C105972			08/15/08 11:38	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-121-5	Laboratory Control Sample				Run: SUB-C105972			08/15/08 11:40	
Selenium-IV	0.049	mg/L	0.0010	98	90	110			
Sample ID: C08071121-001AMS	Sample Matrix Spike				Run: SUB-C105972			08/15/08 11:46	
Selenium-IV	0.055	mg/L	0.0010	109	85	115			
Sample ID: C08071121-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105972			08/15/08 11:48	
Selenium-IV	0.057	mg/L	0.0010	113	85	115	4.0	10	
Method: A3114 B								Batch: C_SE3114-0808015B	
Sample ID: MBLK	Method Blank				Run: SUB-C105991			08/15/08 15:10	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-121-5	Laboratory Control Sample				Run: SUB-C105991			08/15/08 15:20	
Selenium	0.047	mg/L	0.0010	95	90	110			
Sample ID: C08071121-001AMS	Sample Matrix Spike				Run: SUB-C105991			08/15/08 15:24	
Selenium	0.047	mg/L	0.0010	91	85	115			
Sample ID: C08071121-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105991			08/15/08 15:26	
Selenium	0.048	mg/L	0.0010	93	85	115	2.1	15	
Method: A4500-H B								Batch: 080722_1_PH-W	
Sample ID: LCS_pH-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722A			07/22/08 09:14	
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R08070352-003CDUP	Sample Duplicate				Run: PH_COND2-R_080722A			07/22/08 09:33	
pH	7.83	s.u.	0.010				0.0	1.25	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-07-30_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080730A			07/30/08 11:56	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080730A			07/30/08 11:58	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	102	90	110			
Sample ID: R08070342-001FMS	Sample Matrix Spike				Run: TECHAA2-R_080730A			07/30/08 12:06	
Nitrogen, Ammonia as N	0.66	mg/L	0.10	102	80	120			
Sample ID: R08070342-001FMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080730A			07/30/08 12:07	
Nitrogen, Ammonia as N	0.65	mg/L	0.10	99	80	120	0.9	10	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_19243
Sample ID: MB-19243	Method Blank				Run: SUB-C105315				08/04/08 18:29
Aluminum	0.007	mg/L	0.002						
Boron	0.02	mg/L	0.01						
Iron	ND	mg/L	0.009						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Sodium	ND	mg/L	0.5						
Sample ID: LCS3-19243	Laboratory Control Sample				Run: SUB-C105315				08/04/08 18:33
Aluminum	2.55	mg/L	0.10	102	85	115			
Boron	0.528	mg/L	0.10	102	85	115			
Iron	2.72	mg/L	0.030	109	85	115			
Calcium	27.0	mg/L	1.0	108	85	115			
Magnesium	26.4	mg/L	1.0	106	85	115			
Potassium	25.9	mg/L	1.0	104	85	115			
Silica	5.57	mg/L	0.10	111	85	115			
Sodium	26.3	mg/L	1.0	105	85	115			
Sample ID: C08071182-001CMS3	Sample Matrix Spike				Run: SUB-C105315				08/04/08 19:02
Aluminum	2.59	mg/L	0.10	101	70	130			
Boron	0.792	mg/L	0.10	106	70	130			
Iron	3.18	mg/L	0.030	110	70	130			
Calcium	29.9	mg/L	1.0	112	70	130			
Magnesium	27.6	mg/L	1.0	109	70	130			
Potassium	26.4	mg/L	1.0	103	70	130			
Sodium	396	mg/L	1.1		70	130			A
Sample ID: C08071182-001CMSD3	Sample Matrix Spike Duplicate				Run: SUB-C105315				08/04/08 19:06
Aluminum	2.44	mg/L	0.10	95	70	130	6.0	20	
Boron	0.738	mg/L	0.10	95	70	130	7.1	20	
Iron	2.88	mg/L	0.030	98	70	130	9.8	20	
Calcium	27.4	mg/L	1.0	102	70	130	8.7	20	
Magnesium	25.4	mg/L	1.0	100	70	130	8.2	20	
Potassium	25.5	mg/L	1.0	99	70	130	3.5	20	
Sodium	386	mg/L	1.1		70	130	2.7	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R105567	
Sample ID: MB	Method Blank				Run: SUB-C105567			08/07/08 15:40	
Boron	0.04	mg/L	0.01						
Iron	ND	mg/L	0.03						
Calcium	ND	mg/L	0.1						
Magnesium	ND	mg/L	0.04						
Potassium	0.2	mg/L	0.1						
Silica	ND	mg/L	0.02						
Sodium	ND	mg/L	0.2						
Sample ID: R08070343-003A	Sample Matrix Spike				Run: SUB-C105567			08/07/08 19:25	
Boron	0.668	mg/L	0.10	107	70	130			
Iron	0.569	mg/L	0.031	114	70	130			
Calcium	526	mg/L	1.0		70	130			A
Magnesium	76.2	mg/L	1.0	104	70	130			
Silica	2.20	mg/L	0.10		70	130			A
Sodium	63.1	mg/L	1.0	108	70	130			
Sample ID: R08070343-003A	Sample Matrix Spike Duplicate				Run: SUB-C105567			08/07/08 19:29	
Boron	0.678	mg/L	0.10	109	70	130	1.5	20	
Iron	0.559	mg/L	0.031	112	70	130	1.8	20	
Calcium	518	mg/L	1.0		70	130	1.6	20	A
Magnesium	74.9	mg/L	1.0	102	70	130	1.7	20	
Silica	2.22	mg/L	0.10	-9	70	130	0.7	20	S
Sodium	62.0	mg/L	1.0	106	70	130	1.8	20	

Qualifiers:

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ND - Not detected at the reporting limit.

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

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_19243
Sample ID: MB-19243	Method Blank				Run: SUB-C105162				08/01/08 01:28
Arsenic	0.02	mg/L	4E-05						
Barium	ND	mg/L	7E-05						
Cadmium	ND	mg/L	2E-05						
Chromium	0.007	mg/L	5E-05						
Copper	ND	mg/L	0.0004						
Lead	ND	mg/L	5E-05						
Manganese	0.0002	mg/L	3E-05						
Molybdenum	ND	mg/L	4E-05						
Nickel	ND	mg/L	0.0002						
Silver	ND	mg/L	0.0002						
Uranium	ND	mg/L	3E-05						
Vanadium	0.1	mg/L	0.0007						
Zinc	0.001	mg/L	0.0007						
Sample ID: LCS3-19243	Laboratory Control Sample				Run: SUB-C105162				08/01/08 01:35
Arsenic	0.570	mg/L	0.0010	109	85	115			
Barium	0.534	mg/L	0.10	107	85	115			
Cadmium	0.271	mg/L	0.010	108	85	115			
Chromium	0.533	mg/L	0.050	105	85	115			
Copper	0.530	mg/L	0.010	106	85	115			
Lead	0.512	mg/L	0.050	102	85	115			
Manganese	2.86	mg/L	0.010	114	85	115			
Molybdenum	0.515	mg/L	0.10	103	85	115			
Nickel	0.529	mg/L	0.050	106	85	115			
Silver	0.0343	mg/L	0.010	69	85	115			S
Uranium	0.557	mg/L	0.00030	112	85	115			
Vanadium	0.772	mg/L	0.10	133	85	115			S
Zinc	0.538	mg/L	0.010	107	85	115			
Sample ID: C08071182-001CMS3	Sample Matrix Spike				Run: SUB-C105162				08/01/08 04:45
Arsenic	0.569	mg/L	0.0010	109	70	130			
Barium	0.587	mg/L	0.10	105	70	130			
Cadmium	0.262	mg/L	0.010	105	70	130			
Chromium	0.542	mg/L	0.050	107	70	130			
Copper	0.542	mg/L	0.010	108	70	130			
Lead	0.499	mg/L	0.050	100	70	130			
Manganese	2.83	mg/L	0.010	113	70	130			
Molybdenum	0.503	mg/L	0.10	101	70	130			
Nickel	0.532	mg/L	0.050	106	70	130			
Silver	0.0337	mg/L	0.010	67	70	130			S
Uranium	0.546	mg/L	0.00030	109	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_19243
Sample ID: C08071182-001CMS3	Sample Matrix Spike				Run: SUB-C105162				08/01/08 04:45
Vanadium	0.799	mg/L	0.10	112	70	130			
Zinc	0.540	mg/L	0.010	107	70	130			
Sample ID: C08071182-001CMSD3	Sample Matrix Spike Duplicate				Run: SUB-C105162				08/01/08 04:52
Arsenic	0.538	mg/L	0.0010	103	70	130	5.6	20	
Barium	0.561	mg/L	0.10	100	70	130	4.5	20	
Cadmium	0.248	mg/L	0.010	99	70	130	5.7	20	
Chromium	0.512	mg/L	0.050	101	70	130	5.7	20	
Copper	0.510	mg/L	0.010	102	70	130	6.1	20	
Lead	0.480	mg/L	0.050	96	70	130	3.8	20	
Manganese	2.69	mg/L	0.010	107	70	130	5.0	20	
Molybdenum	0.483	mg/L	0.10	97	70	130	4.0	20	
Nickel	0.504	mg/L	0.050	101	70	130	5.5	20	
Silver	0.0359	mg/L	0.010	72	70	130	6.2	20	
Uranium	0.521	mg/L	0.00030	104	70	130	4.6	20	
Vanadium	0.748	mg/L	0.10	102	70	130	6.6	20	
Zinc	0.524	mg/L	0.010	103	70	130	3.1	20	
Method: E200.8									Batch: C_19254
Sample ID: MB-19254	Method Blank				Run: SUB-C105957				08/14/08 16:14
Thorium 232	0.0006	mg/L							
Uranium	1E-05	mg/L							
Sample ID: LCS1-19254	Laboratory Control Sample				Run: SUB-C105957				08/14/08 16:21
Thorium 232	0.0484	mg/L	0.0010	91	80	120			
Uranium	0.0513	mg/L	0.00030	97	80	120			
Sample ID: R08070343-003K	Post Digestion Spike				Run: SUB-C105957				08/14/08 17:17
Thorium 232	0.180	mg/L	0.0010	99	70	130			
Uranium	0.182	mg/L	0.00030	106	70	130			
Sample ID: R08070343-003K	Post Digestion Spike Duplicate				Run: SUB-C105957				08/14/08 17:24
Thorium 232	0.180	mg/L	0.0010	99	70	130	0.0	20	
Uranium	0.182	mg/L	0.00030	106	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R105384	
Sample ID: LRB	Method Blank				Run: SUB-C105384			08/05/08 13:12	
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C105384			08/05/08 13:18	
Arsenic	0.0564	mg/L	0.0010	113	85	115			
Barium	0.0559	mg/L	0.0010	112	85	115			
Cadmium	0.0557	mg/L	0.0010	111	85	115			
Chromium	0.0537	mg/L	0.0010	107	85	115			
Copper	0.0576	mg/L	0.0010	115	85	115			
Lead	0.0563	mg/L	0.0010	113	85	115			
Manganese	0.0536	mg/L	0.0010	107	85	115			
Mercury	0.00558	mg/L	0.0010	112	85	115			
Molybdenum	0.0564	mg/L	0.0010	113	85	115			
Nickel	0.0574	mg/L	0.0010	115	85	115			
Thorium 232	0.0538	mg/L	0.0010	108	85	115			
Uranium	0.0543	mg/L	0.00030	109	85	115			
Vanadium	0.0531	mg/L	0.0010	106	85	115			
Zinc	0.0579	mg/L	0.0010	116	85	115			
Sample ID: C08071095-005BMS4	Post Digestion Spike				Run: SUB-C105384			08/05/08 19:08	
Arsenic	0.0597	mg/L	0.0010	110	70	130			
Barium	0.191	mg/L	0.10	105	70	130			
Cadmium	0.0518	mg/L	0.010	104	70	130			
Chromium	0.0499	mg/L	0.050	100	70	130			
Copper	0.0573	mg/L	0.010	104	70	130			
Lead	0.0542	mg/L	0.050	108	70	130			
Manganese	0.279	mg/L	0.010		70	130			A
Mercury	0.00535	mg/L	0.0010	107	70	130			
Molybdenum	0.0543	mg/L	0.10	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R105384	
Sample ID: C08071095-005BMS4	Post Digestion Spike				Run: SUB-C105384			08/05/08 19:08	
Nickel	0.0557	mg/L	0.050	104	70	130			
Thorium 232	0.0521	mg/L	0.0010	104	70	130			
Uranium	0.0590	mg/L	0.00030	108	70	130			
Vanadium	0.0515	mg/L	0.10	100	70	130			
Zinc	0.0576	mg/L	0.010	105	70	130			
Sample ID: C08071095-005BMSD4	Post Digestion Spike Duplicate				Run: SUB-C105384			08/05/08 19:14	
Arsenic	0.0585	mg/L	0.0010	107	70	130	2.1	20	
Barium	0.194	mg/L	0.10	111	70	130	1.5	20	
Cadmium	0.0518	mg/L	0.010	104	70	130	0.1	20	
Chromium	0.0499	mg/L	0.050	100	70	130	0.0	20	
Copper	0.0563	mg/L	0.010	102	70	130	1.8	20	
Lead	0.0530	mg/L	0.050	105	70	130	2.1	20	
Manganese	0.279	mg/L	0.010		70	130	0.1	20	A
Mercury	0.00525	mg/L	0.0010	105	70	130	1.8	20	
Molybdenum	0.0549	mg/L	0.10	104	70	130	0.0	20	
Nickel	0.0549	mg/L	0.050	102	70	130	1.5	20	
Thorium 232	0.0512	mg/L	0.0010	102	70	130	1.8	20	
Uranium	0.0575	mg/L	0.00030	105	70	130	2.5	20	
Vanadium	0.0519	mg/L	0.10	101	70	130	0.0	20	
Zinc	0.0568	mg/L	0.010	103	70	130	1.3	20	
Method: E200.8								Batch: C_R105472	
Sample ID: LRB	Method Blank				Run: SUB-C105472			08/06/08 12:39	
Aluminum	ND	mg/L	0.0001						
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C105472			08/06/08 12:46	
Aluminum	0.0484	mg/L	0.0010	97	85	115			
Silver	0.0195	mg/L	0.0010	98	85	115			
Sample ID: C08071183-003BMS4	Post Digestion Spike				Run: SUB-C105472			08/06/08 18:32	
Aluminum	0.141	mg/L	0.10	110	70	130			
Silver	0.0158	mg/L	0.010	79	70	130			
Sample ID: C08071183-003BMSD4	Post Digestion Spike Duplicate				Run: SUB-C105472			08/06/08 18:39	
Aluminum	0.138	mg/L	0.10	104	70	130	2.1	20	
Silver	0.0159	mg/L	0.010	79	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: B_33735
Sample ID: MB-33735	Method Blank				Run: SUB-B114848				07/29/08 11:25
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33735	Laboratory Fortified Blank				Run: SUB-B114848				07/29/08 11:32
Mercury	0.0018	mg/L	0.0010	89	85	115			
Sample ID: B08072374-001BMS	Sample Matrix Spike				Run: SUB-B114848				07/29/08 12:18
Mercury	0.0022	mg/L	0.0010	107	70	130			
Sample ID: B08072374-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-B114848				07/29/08 12:21
Mercury	0.0021	mg/L	0.0010	103	70	130	4.8	30	

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R36265
Sample ID: LFB0807215435-3	Laboratory Fortified Blank				Run: DIONEX_080721A				07/21/08 17:59
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	2.02	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.34	mg/L	0.10	94	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0807215435-4	Laboratory Fortified Blank				Run: DIONEX_080721A				07/21/08 18:15
Chloride	4.89	mg/L	0.50	98	90	110			
Fluoride	2.08	mg/L	0.10	104	90	110			
Nitrogen, Nitrate as N	2.41	mg/L	0.10	96	90	110			
Sulfate	14.5	mg/L	1.0	97	90	110			
Sample ID: R08070340-001CMS	Sample Matrix Spike				Run: DIONEX_080721A				07/21/08 18:48
Chloride	252	mg/L	5.4	95	80	120			
Fluoride	107	mg/L	0.56	107	80	120			
Nitrogen, Nitrate as N	123	mg/L	1.3	99	80	120			
Sulfate	1620	mg/L	3.4	85	80	120			
Sample ID: R08070340-001CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080721A				07/21/08 19:04
Chloride	241	mg/L	5.4	90	80	120	4.2	10	
Fluoride	102	mg/L	0.56	102	80	120	4.2	10	
Nitrogen, Nitrate as N	118	mg/L	1.3	95	80	120	4.2	10	
Sulfate	1590	mg/L	3.4	82	80	120	1.4	10	
Sample ID: R08070343-002CMS	Sample Matrix Spike				Run: DIONEX_080721A				07/21/08 22:05
Chloride	249	mg/L	5.4	93	80	120			
Fluoride	106	mg/L	0.56	106	80	120			
Nitrogen, Nitrate as N	120	mg/L	1.3	96	80	120			
Sulfate	1880	mg/L	3.4	88	80	120			
Sample ID: R08070343-002CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080721A				07/21/08 22:21
Chloride	242	mg/L	5.4	91	80	120	2.6	10	
Fluoride	103	mg/L	0.56	103	80	120	2.4	10	
Nitrogen, Nitrate as N	117	mg/L	1.3	94	80	120	2.4	10	
Sulfate	1850	mg/L	3.4	83	80	120	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0505	
Sample ID: MB-GrAB-0505	Method Blank				Run: SUB-C106510			08/24/08 02:46	
Gross Alpha	0.1	pCi/L							U
Gross Beta	-0.8	pCi/L							U
Sample ID: UNAT-GrAB-0505	Laboratory Control Sample				Run: SUB-C106510			08/24/08 02:46	
Gross Alpha	130	pCi/L		91	70	130			
Sample ID: Cs137-GrAB-0505	Laboratory Control Sample				Run: SUB-C106510			08/24/08 02:46	
Gross Beta	100	pCi/L		108	70	130			
Sample ID: C08071011-001AMS	Sample Matrix Spike				Run: SUB-C106510			08/24/08 02:46	
Gross Alpha	140	pCi/L		101	70	130			
Sample ID: C08071011-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C106510			08/24/08 02:46	
Gross Alpha	130	pCi/L		92	70	130	9.4	16.3	
Sample ID: C08071011-001AMS	Sample Matrix Spike				Run: SUB-C106510			08/24/08 02:46	
Gross Beta	110	pCi/L		113	70	130			
Sample ID: C08071011-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C106510			08/24/08 02:46	
Gross Beta	110	pCi/L		120	70	130	5.3	16.1	
Method: E901.1								Batch: C_R105938	
Sample ID: LCS-R105938	Laboratory Control Sample				Run: SUB-C105938			08/08/08 07:23	
Cesium 137	39300	pCi/L	20	102	70	130			
Cobalt 60	38200	pCi/L	20	95	70	130			
Sample ID: MB-R105938	Method Blank				Run: SUB-C105938			08/08/08 07:23	
Gross Gamma		pCi/L							
Sample ID: R08070343-003I	Sample Duplicate				Run: SUB-C105938			08/08/08 07:23	
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_19254
Sample ID: C08071121-001KMS	Sample Matrix Spike				Run: SUB-C105911				08/13/08 12:12
Radium 226	34	pCi/L		90	70	130			
Sample ID: C08071121-001KMSD	Sample Matrix Spike Duplicate				Run: SUB-C105911				08/13/08 12:12
Radium 226	34	pCi/L		92	70	130	1.5	24.8	
Sample ID: MB-19254	Method Blank				Run: SUB-C105911				08/13/08 13:55
Radium 226	-1	pCi/L							U
Sample ID: LCS-19254	Laboratory Control Sample				Run: SUB-C105911				08/13/08 13:55
Radium 226	69	pCi/L		89	70	130			
Method: E903.0									Batch: C_RA226-3011
Sample ID: MB-RA226-3011	Method Blank				Run: SUB-C106242				08/20/08 12:53
Radium 226	-0.3	pCi/L							U
Sample ID: LCS-RA226-3011	Laboratory Control Sample				Run: SUB-C106242				08/20/08 12:53
Radium 226	7.6	pCi/L		101	70	130			
Sample ID: C08071121-001JMS	Sample Matrix Spike				Run: SUB-C106242				08/20/08 12:53
Radium 226	17	pCi/L		107	70	130			
Sample ID: C08071121-001JMSD	Sample Matrix Spike Duplicate				Run: SUB-C106242				08/20/08 12:53
Radium 226	18	pCi/L		112	70	130	4.8	29.5	
Method: E907.0									Batch: C_19254
Sample ID: C08071010-002EMS	Sample Matrix Spike				Run: SUB-C106091				08/06/08 10:30
Thorium 230	24.2	pCi/L	0.20	100	70	130			
Sample ID: C08071010-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C106091				08/06/08 10:30
Thorium 230	24.4	pCi/L	0.20	104	70	130	0.7	30	
Sample ID: LCS-19254	Laboratory Control Sample				Run: SUB-C106091				08/06/08 10:30
Thorium 230	50.1	pCi/L	0.20	103	70	130			
Sample ID: MB-19254	Method Blank				Run: SUB-C106091				08/06/08 10:30
Thorium 230	0.1	pCi/L							U

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/10/08
Work Order: R08070342

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R106559
Sample ID: LCS-R106559	Laboratory Control Sample				Run: SUB-C106559				08/18/08 14:00
Thorium 230	6.36	pCi/L	0.20	104	70	130			
Sample ID: R08070343-001J	Sample Matrix Spike				Run: SUB-C106559				08/18/08 14:00
Thorium 230	14.5	pCi/L	0.20	90	70	130			
Sample ID: R08070343-001J	Sample Matrix Spike Duplicate				Run: SUB-C106559				08/18/08 14:00
Thorium 230	15.4	pCi/L	0.20	96	70	130	6.0	30	
Sample ID: MB-R106559	Method Blank				Run: SUB-C106559				08/18/08 14:00
Thorium 230	ND	pCi/L							U

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

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: ~~Powertech DB~~ RESPEC	Project Name, PWS, Permit, Etc.: Powertech DB	Sample Origin State: SD	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address:	Contact Name: Phone/Fax: cory.foreman@respec.com	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

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

ANALYSIS REQUESTED: All SW As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: Sample Split into Proper containers in Lab. SF

Shipped by:

Cooler ID(s):

Receipt Temp 5.1 °C

On Ice: (Yes) No

Custody Seal (Y) N
Intact (Y) N
Signature Match (Y) N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		
1	Dew Burd UNT01	7/18/08		W	passive sampler bottle	B080703[illegible]001
2	Dew Burd PSC01	7/18/08	12:40	W	set 19	
3	Dew Burd PSC02	7/18/08	14:25	W	set 6	
4						
5						
6						
7						
8						
9						
10						

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	7/19/08 0650	[signature]	Theresa Bultema	07-19-08 1400	Theresa Bultema
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: Lab Disposal:

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

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ANALYTICAL SUMMARY REPORT

September 12, 2008

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

Workorder No.: R08070343 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 3 samples from RESPEC Inc on 7/21/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08070343-001	DewBurd PSC01-2	07/18/08 0:00	07/21/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia pH Metals Digestion by EPA 200.2 Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Sodium Adsorption Ratio Suspended Sediment Concentration Solids, Total Dissolved Solids, Total Suspended
R08070343-002	DewBurd PSC02-1	07/18/08 0:00	07/21/08	Aqueous	Same As Above
R08070343-003	DewBurd PSC02-2	07/18/08 0:00	07/21/08	Aqueous	Same As Above

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

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

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

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CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08070343

Date: *12-Sep-08*

CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by RESPEC Inc on 7/21/2008 9:15:00 AM. These samples were assigned ELI Workorder Number R08070343.

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

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

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

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

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

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

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08071122

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

ANALYSIS COMMENTS
The sample specific Minimum Detectable Concentration (MDC) as required by USNRC Regulatory Guide 4.14 could not be achieved on all Radiochemical analyses.
End of comments imported for SUBBED Workorder: C08071122

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070343-001
Client Sample ID: DewBurd PSC01-2

Report Date: 09/12/08
Collection Date: 07/18/08
Date Received: 07/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	104	mg/L		5		1	A2320 B	07/22/08 10:38/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/22/08 10:38/mb
Bicarbonate as HCO3	127	mg/L		5		1	A2320 B	07/22/08 10:38/mb
Calcium	422	mg/L		0.5		2	E200.7	09/09/08 20:34/eli-c
Chloride	2	mg/L		1		1	E300.0	07/21/08 20:59/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	07/21/08 20:59/jmh
Magnesium	20.3	mg/L		0.5		2	E200.7	09/09/08 20:34/eli-c
Nitrogen, Ammonia as N	0.6	mg/L		0.1		1	A4500-NH3 G	07/30/08 12:09/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/21/08 20:59/jmh
Potassium	10	mg/L		1		2	E200.7	09/09/08 20:34/eli-c
Silica	5.2	mg/L		0.5		2	E200.7	09/09/08 20:34/eli-c
Sodium	4	mg/L	D	2		2	E200.7	09/09/08 20:34/eli-c
Sulfate	1040	mg/L	D	3		50	E300.0	07/21/08 20:43/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1710	umhos/cm		5.0		1	A2510 B	07/22/08 10:01/tb
pH	7.12	s.u.		0.01		1	A4500-H B	07/22/08 09:24/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	09/03/08 14:21/ADM
Solids, Suspended Sediment SSC @ 105 C	9760	mg/L		5		1	D3977	07/28/08 10:13/mb
Solids, Total Dissolved TDS @ 180 C	1600	mg/L		5		1	A2540 C	07/23/08 11:46/mb
Solids, Total Suspended TSS @ 105 C	12000	mg/L		5		1	A2540 D	07/21/08 15:07/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	08/06/08 17:11/eli-c
Arsenic	0.008	mg/L		0.001		1	E200.8	08/05/08 19:41/eli-c
Barium	0.3	mg/L		0.1		1	E200.8	08/05/08 19:41/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/09/08 20:34/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/05/08 19:41/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	08/05/08 19:41/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/05/08 19:41/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	09/09/08 20:34/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/05/08 19:41/eli-c
Manganese	0.81	mg/L		0.01		1	E200.8	08/05/08 19:41/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/05/08 19:41/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	08/05/08 19:41/eli-c
Nickel	ND	mg/L		0.01		1	E200.8	08/05/08 19:41/eli-c
Silver	ND	mg/L		0.005		10	E200.8	08/06/08 17:11/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	08/05/08 19:41/eli-c
Uranium	0.0016	mg/L		0.0003		1	E200.8	08/05/08 19:41/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070343-001
Client Sample ID: DewBurd PSC01-2

Report Date: 09/12/08
Collection Date: 07/18/08
Date Received: 07/21/08
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	08/05/08 19:41/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	08/05/08 19:41/eli-c
METALS - SUSPENDED								
Thorium 232	0.038	mg/L		0.001		5	E200.8	08/14/08 16:33/eli-c
Uranium	0.0131	mg/L		0.0003		5	E200.8	07/29/08 18:35/eli-c
METALS - TOTAL								
Aluminum	233	mg/L		0.1		2	E200.7	08/04/08 18:45/eli-c
Arsenic	0.073	mg/L		0.001		10	E200.8	08/01/08 01:48/eli-c
Barium	1.2	mg/L		0.1		10	E200.8	08/01/08 01:48/eli-c
Boron	0.6	mg/L		0.1		2	E200.7	08/04/08 18:45/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	08/01/08 01:48/eli-c
Chromium	0.34	mg/L		0.05		10	E200.8	08/01/08 01:48/eli-c
Copper	0.21	mg/L		0.01		10	E200.8	08/01/08 01:48/eli-c
Iron	253	mg/L	D	0.2		2	E200.7	08/04/08 18:45/eli-c
Lead	0.144	mg/L		0.001		10	E200.8	08/01/08 01:48/eli-c
Manganese	6.34	mg/L		0.01		10	E200.8	08/01/08 01:48/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	08/01/08 01:48/eli-c
Nickel	0.33	mg/L		0.05		10	E200.8	08/01/08 01:48/eli-c
Silver	ND	mg/L		0.005		10	E200.8	08/01/08 12:30/eli-c
Thorium 232	0.042	mg/L		0.005		10	E200.8	08/01/08 12:30/eli-c
Uranium	0.0206	mg/L		0.0003		10	E200.8	08/01/08 01:48/eli-c
Vanadium	0.5	mg/L	D	0.2		10	E200.8	08/01/08 01:48/eli-c
Zinc	0.73	mg/L		0.01		10	E200.8	08/01/08 01:48/eli-c
Calcium	949	mg/L		0.5		2	E200.7	08/04/08 18:45/eli-c
Magnesium	387	mg/L		0.5		2	E200.7	08/04/08 18:45/eli-c
Potassium	87.5	mg/L		0.5		2	E200.7	08/04/08 18:45/eli-c
Silica	64.0	mg/L		0.5		2	E200.7	08/04/08 18:45/eli-c
Sodium	6	mg/L	D	1		2	E200.7	08/04/08 18:45/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	08/15/08 15:28/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/15/08 11:50/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/15/08 15:52/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.3	pCi/L				1	E903.0	08/20/08 09:09/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/20/08 09:09/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070343-001
Client Sample ID: DewBurd PSC01-2

Report Date: 09/12/08
Collection Date: 07/18/08
Date Received: 07/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Radium 226 MDC	0.3	pCi/L				1	E903.0	08/20/08 09:09/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/18/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/18/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	7.1	pCi/L				1	E903.0	08/13/08 12:12/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	08/13/08 12:12/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	08/13/08 12:12/eli-c
Thorium 230	4.2	pCi/L		0.2		1	E907.0	08/06/08 10:30/eli-c
Thorium 230 precision (±)	1.6	pCi/L				1	E907.0	08/06/08 10:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	7.0	pCi/L	U			1	E900.0	08/29/08 13:21/eli-c
Gross Alpha precision (±)	8.8	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Alpha MDC	13.8	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Beta	12.8	pCi/L	U			1	E900.0	08/29/08 13:21/eli-c
Gross Beta precision (±)	11.1	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Beta MDC	18.2	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Gamma	0.0	pCi/L		20.0		1	E901.1	08/08/08 07:23/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	08/08/08 07:23/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	7.4	pCi/L				1	E903.0	09/01/08 12:46/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	09/01/08 12:46/eli-c
Thorium 230	4.2	pCi/L		0.2		1	E907.0	09/01/08 12:46/eli-c
Thorium 230 precision (±)	1.6	pCi/L				1	E907.0	09/01/08 12:46/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0002		1	E245.1	07/29/08 12:28/eli-b
DATA QUALITY								
A/C Balance (± 5)	-4.89	%				1	A1030 E	09/05/08 00:00/jmh
Anions	23.7	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	21.5	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	1530	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.06					1	A1030 E	09/05/08 00:00/jmh

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070343-002
Client Sample ID: DewBurd PSC02-1

Report Date: 09/12/08
Collection Date: 07/18/08
Date Received: 07/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	106	mg/L		5		1	A2320 B	07/22/08 10:41/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/22/08 10:41/mb
Bicarbonate as HCO3	129	mg/L		5		1	A2320 B	07/22/08 10:41/mb
Calcium	551	mg/L		0.5		2	E200.7	09/09/08 20:38/eli-c
Chloride	1	mg/L		1		1	E300.0	07/21/08 22:38/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	07/21/08 22:38/jmh
Magnesium	16.8	mg/L		0.5		2	E200.7	09/09/08 20:38/eli-c
Nitrogen, Ammonia as N	0.6	mg/L		0.1		1	A4500-NH3 G	07/30/08 12:10/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	07/21/08 22:38/jmh
Potassium	8	mg/L		1		2	E200.7	09/09/08 20:38/eli-c
Silica	4.8	mg/L		0.5		2	E200.7	09/09/08 20:38/eli-c
Sodium	3	mg/L	D	2		2	E200.7	09/09/08 20:38/eli-c
Sulfate	1220	mg/L	D	3		50	E300.0	07/21/08 21:48/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2000	umhos/cm		5.0		1	A2510 B	07/22/08 10:02/tb
pH	7.21	s.u.		0.01		1	A4500-H B	07/22/08 09:26/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	09/12/08 12:13/ADM
Solids, Suspended Sediment SSC @ 105 C	35800	mg/L		5		1	D3977	07/28/08 10:14/mb
Solids, Total Dissolved TDS @ 180 C	2100	mg/L		5		1	A2540 C	07/23/08 11:47/mb
Solids, Total Suspended TSS @ 105 C	26000	mg/L		5		1	A2540 D	07/21/08 15:08/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	08/06/08 17:18/eli-c
Arsenic	0.008	mg/L		0.001		1	E200.8	08/05/08 19:48/eli-c
Barium	0.3	mg/L		0.1		1	E200.8	08/05/08 19:48/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/09/08 20:38/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/05/08 19:48/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	08/05/08 19:48/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/05/08 19:48/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	09/09/08 20:38/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/05/08 19:48/eli-c
Manganese	0.80	mg/L		0.01		1	E200.8	08/05/08 19:48/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/05/08 19:48/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	08/05/08 19:48/eli-c
Nickel	ND	mg/L		0.01		1	E200.8	08/05/08 19:48/eli-c
Silver	ND	mg/L		0.005		10	E200.8	08/06/08 17:18/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	08/05/08 19:48/eli-c
Uranium	0.0016	mg/L		0.0003		1	E200.8	08/05/08 19:48/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070343-002
Client Sample ID: DewBurd PSC02-1

Report Date: 09/12/08
Collection Date: 07/18/08
Date Received: 07/21/08
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	08/05/08 19:48/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	08/05/08 19:48/eli-c
METALS - SUSPENDED								
Thorium 232	0.132	mg/L		0.001		10	E200.8	08/14/08 17:05/eli-c
Uranium	0.0435	mg/L		0.0003		5	E200.8	07/29/08 18:39/eli-c
METALS - TOTAL								
Aluminum	324	mg/L		0.1		2	E200.7	08/04/08 18:49/eli-c
Arsenic	0.097	mg/L		0.001		10	E200.8	08/01/08 01:55/eli-c
Barium	1.0	mg/L		0.1		10	E200.8	08/01/08 01:55/eli-c
Boron	0.9	mg/L		0.1		2	E200.7	08/04/08 18:49/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	08/01/08 01:55/eli-c
Chromium	0.51	mg/L		0.05		10	E200.8	08/01/08 01:55/eli-c
Copper	0.33	mg/L		0.01		10	E200.8	08/01/08 01:55/eli-c
Iron	337	mg/L	D	0.2		2	E200.7	08/04/08 18:49/eli-c
Lead	0.229	mg/L		0.001		10	E200.8	08/01/08 01:55/eli-c
Manganese	10.8	mg/L		0.01		10	E200.8	08/01/08 01:55/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	08/01/08 01:55/eli-c
Nickel	0.54	mg/L		0.05		10	E200.8	08/01/08 01:55/eli-c
Silver	ND	mg/L		0.005		10	E200.8	08/01/08 12:37/eli-c
Thorium 232	0.051	mg/L		0.005		10	E200.8	08/01/08 12:37/eli-c
Uranium	0.0311	mg/L		0.0003		10	E200.8	08/01/08 01:55/eli-c
Vanadium	0.7	mg/L	D	0.2		10	E200.8	08/01/08 01:55/eli-c
Zinc	1.17	mg/L		0.01		10	E200.8	08/01/08 01:55/eli-c
Calcium	1710	mg/L	D	0.8		10	E200.7	08/14/08 13:24/eli-c
Magnesium	616	mg/L		0.5		2	E200.7	08/04/08 18:49/eli-c
Potassium	106	mg/L		0.5		2	E200.7	08/04/08 18:49/eli-c
Silica	85.4	mg/L		0.5		2	E200.7	08/04/08 18:49/eli-c
Sodium	5	mg/L	D	1		2	E200.7	08/04/08 18:49/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	08/15/08 15:30/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/15/08 11:52/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/15/08 15:52/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.05	pCi/L	U			1	E903.0	08/20/08 09:09/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	08/20/08 09:09/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070343-002
Client Sample ID: DewBurd PSC02-1

Report Date: 09/12/08
Collection Date: 07/18/08
Date Received: 07/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Radium 226 MDC	0.3	pCi/L				1	E903.0	08/20/08 09:09/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	08/18/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/18/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	21.3	pCi/L				1	E903.0	08/13/08 12:12/eli-c
Radium 226 precision (±)	1.3	pCi/L				1	E903.0	08/13/08 12:12/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	08/13/08 12:12/eli-c
Thorium 230	12.6	pCi/L		0.2		1	E907.0	08/06/08 10:30/eli-c
Thorium 230 precision (±)	2.6	pCi/L				1	E907.0	08/06/08 10:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	14.6	pCi/L	U			1	E900.0	08/29/08 13:21/eli-c
Gross Alpha precision (±)	11.4	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Alpha MDC	17.1	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Beta	-9	pCi/L	U			1	E900.0	08/29/08 13:21/eli-c
Gross Beta precision (±)	13.3	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Beta MDC	22.7	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Gamma	0.0	pCi/L		20.0		1	E901.1	08/08/08 07:23/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	08/08/08 07:23/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	21.3	pCi/L				1	E903.0	09/01/08 12:46/eli-c
Radium 226 precision (±)	1.3	pCi/L				1	E903.0	09/01/08 12:46/eli-c
Thorium 230	12.6	pCi/L		0.2		1	E907.0	09/01/08 12:46/eli-c
Thorium 230 precision (±)	2.6	pCi/L				1	E907.0	09/01/08 12:46/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0002		1	E245.1	07/29/08 12:30/eli-b
DATA QUALITY								
A/C Balance (± 5)	2.96	%				1	A1030 E	09/12/08 00:00/jmh
Anions	27.6	meq/L				1	A1030 E	09/12/08 00:00/jmh
Cations	29.3	meq/L				1	A1030 E	09/12/08 00:00/jmh
Solids, Total Dissolved Calculated	1880	mg/L				1	A1030 E	09/12/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.10					1	A1030 E	09/12/08 00:00/jmh

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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070343-003
Client Sample ID: DewBurd PSC02-2

Report Date: 09/12/08
Collection Date: 07/18/08
Date Received: 07/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	94	mg/L		5		1	A2320 B	07/22/08 10:53/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	07/22/08 10:53/mb
Bicarbonate as HCO3	115	mg/L		5		1	A2320 B	07/22/08 10:53/mb
Calcium	564	mg/L		0.5		2	E200.7	09/09/08 20:42/eli-c
Chloride	3	mg/L		1		1	E300.0	07/21/08 23:11/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	07/21/08 23:11/jmh
Magnesium	22.4	mg/L		0.5		2	E200.7	09/09/08 20:42/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	07/30/08 12:24/jmh
Nitrogen, Nitrate as N	0.3	mg/L		0.1		1	E300.0	07/21/08 23:11/jmh
Potassium	15	mg/L		1		2	E200.7	09/09/08 20:42/eli-c
Silica	4.7	mg/L		0.5		2	E200.7	09/09/08 20:42/eli-c
Sodium	8	mg/L	D	2		2	E200.7	09/09/08 20:42/eli-c
Sulfate	1420	mg/L	D	3		50	E300.0	07/21/08 22:54/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2220	umhos/cm		5.0		1	A2510 B	07/22/08 10:03/tb
pH	7.16	s.u.		0.01		1	A4500-H B	07/22/08 09:28/tb
Sodium Adsorption Ratio (SAR)	0.10	unitless		0.10		1	Calculation	09/03/08 14:21/ADM
Solids, Suspended Sediment SSC @ 105 C	24800	mg/L		5		1	D3977	07/28/08 10:15/mb
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	07/23/08 11:47/mb
Solids, Total Suspended TSS @ 105 C	20000	mg/L		5		1	A2540 D	07/21/08 15:09/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	08/06/08 17:24/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	08/05/08 20:22/eli-c
Barium	0.3	mg/L		0.1		1	E200.8	08/05/08 20:22/eli-c
Boron	ND	mg/L		0.1		2	E200.7	09/09/08 20:42/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	08/05/08 20:22/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	08/05/08 20:22/eli-c
Copper	ND	mg/L		0.01		1	E200.8	08/05/08 20:22/eli-c
Iron	ND	mg/L		0.03		2	E200.7	09/09/08 20:42/eli-c
Lead	ND	mg/L		0.001		1	E200.8	08/05/08 20:22/eli-c
Manganese	0.86	mg/L		0.01		1	E200.8	08/05/08 20:22/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	08/05/08 20:22/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	08/05/08 20:22/eli-c
Nickel	ND	mg/L		0.01		1	E200.8	08/05/08 20:22/eli-c
Silver	ND	mg/L		0.005		10	E200.8	08/06/08 17:24/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	08/05/08 20:22/eli-c
Uranium	0.0172	mg/L		0.0003		1	E200.8	08/05/08 20:22/eli-c

Report Definitions:
RL - Analyte reporting limit.
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ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070343-003
Client Sample ID: DewBurd PSC02-2

Report Date: 09/12/08
Collection Date: 07/18/08
Date Received: 07/21/08
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	08/05/08 20:22/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	08/05/08 20:22/eli-c
METALS - SUSPENDED								
Thorium 232	0.056	mg/L		0.001		10	E200.8	08/14/08 17:11/eli-c
Uranium	0.0543	mg/L		0.0003		5	E200.8	07/29/08 18:43/eli-c
METALS - TOTAL								
Aluminum	322	mg/L		0.1		2	E200.7	08/04/08 18:54/eli-c
Arsenic	0.107	mg/L		0.001		10	E200.8	08/01/08 02:29/eli-c
Barium	1.1	mg/L		0.1		10	E200.8	08/01/08 02:29/eli-c
Boron	0.9	mg/L		0.1		2	E200.7	08/04/08 18:54/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	08/01/08 02:29/eli-c
Chromium	0.52	mg/L		0.05		10	E200.8	08/01/08 02:29/eli-c
Copper	0.32	mg/L		0.01		10	E200.8	08/01/08 02:29/eli-c
Iron	356	mg/L	D	0.2		2	E200.7	08/04/08 18:54/eli-c
Lead	0.240	mg/L		0.001		10	E200.8	08/01/08 02:29/eli-c
Manganese	11.4	mg/L		0.01		10	E200.8	08/01/08 02:29/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	08/01/08 02:29/eli-c
Nickel	0.51	mg/L		0.05		10	E200.8	08/01/08 02:29/eli-c
Silver	ND	mg/L		0.005		10	E200.8	08/01/08 14:16/eli-c
Thorium 232	0.054	mg/L		0.005		10	E200.8	08/11/08 15:44/eli-c
Uranium	0.0888	mg/L		0.0003		10	E200.8	08/01/08 02:29/eli-c
Vanadium	0.8	mg/L	D	0.2		10	E200.8	08/01/08 02:29/eli-c
Zinc	1.22	mg/L		0.01		10	E200.8	08/01/08 02:29/eli-c
Calcium	1780	mg/L	D	0.8		10	E200.7	08/14/08 13:32/eli-c
Magnesium	607	mg/L		0.5		2	E200.7	08/04/08 18:54/eli-c
Potassium	115	mg/L		0.5		2	E200.7	08/04/08 18:54/eli-c
Silica	84.9	mg/L		0.5		2	E200.7	08/04/08 18:54/eli-c
Sodium	10	mg/L	D	1		2	E200.7	08/04/08 18:54/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium	ND	mg/L		0.005		1	A3114 B	08/15/08 15:33/eli-c
Selenium-IV	ND	mg/L		0.001		1	A3114 B	08/15/08 11:54/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	08/15/08 15:52/eli-c
RADIONUCLIDES - DISSOLVED								
Radium 226	0.6	pCi/L				1	E903.0	08/20/08 09:09/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	08/20/08 09:09/eli-c

Report Definitions:
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MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08070343-003
Client Sample ID: DewBurd PSC02-2

Report Date: 09/12/08
Collection Date: 07/18/08
Date Received: 07/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Radium 226 MDC	0.3	pCi/L				1	E903.0	08/20/08 09:09/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	08/18/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	08/18/08 14:00/eli-c
RADIONUCLIDES - SUSPENDED								
Radium 226	24.8	pCi/L				1	E903.0	08/13/08 13:55/eli-c
Radium 226 precision (±)	1.3	pCi/L				1	E903.0	08/13/08 13:55/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	08/13/08 13:55/eli-c
Thorium 230	20.0	pCi/L		0.2		1	E907.0	08/06/08 10:30/eli-c
Thorium 230 precision (±)	3.6	pCi/L				1	E907.0	08/06/08 10:30/eli-c
RADIONUCLIDES - TOTAL								
Gross Alpha	33.3	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Alpha precision (±)	16.1	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Alpha MDC	22.2	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Beta	-5	pCi/L	U			1	E900.0	08/29/08 13:21/eli-c
Gross Beta precision (±)	16.2	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Beta MDC	27.3	pCi/L				1	E900.0	08/29/08 13:21/eli-c
Gross Gamma	0.0	pCi/L		20.0		1	E901.1	08/08/08 07:23/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	08/08/08 07:23/eli-c
RADIONUCLIDES - TOTAL - CALCULATED								
Radium 226	25.4	pCi/L				1	E903.0	09/01/08 12:46/eli-c
Radium 226 precision (±)	1.4	pCi/L				1	E903.0	09/01/08 12:46/eli-c
Thorium 230	20.1	pCi/L		0.2		1	E907.0	09/01/08 12:46/eli-c
Thorium 230 precision (±)	3.6	pCi/L				1	E907.0	09/01/08 12:46/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.0002		1	E245.1	07/29/08 12:32/eli-b
DATA QUALITY								
A/C Balance (± 5)	-4.26	%				1	A1030 E	09/05/08 00:00/jmh
Anions	31.5	meq/L				1	A1030 E	09/05/08 00:00/jmh
Cations	28.9	meq/L				1	A1030 E	09/05/08 00:00/jmh
Solids, Total Dissolved Calculated	2060	mg/L				1	A1030 E	09/05/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.08					1	A1030 E	09/05/08 00:00/jmh

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U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080722A-ALK-SEL-W	
Sample ID: LCS1_080722A	Laboratory Control Sample				Run: PH_COND1-R_080722A			07/22/08 08:58	
Alkalinity, Total as CaCO3	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080722A	Method Blank				Run: PH_COND1-R_080722A			07/22/08 08:59	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Method: A2510 B								Batch: 080722_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722C			07/22/08 09:53	
Conductivity @ 25 C	1430	umhos/cm	5.0	101	90	110			
Sample ID: LCS1-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722C			07/22/08 09:54	
Conductivity @ 25 C	153	umhos/cm	5.0	102	90	110			
Sample ID: LCS2-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722C			07/22/08 09:55	
Conductivity @ 25 C	5140	umhos/cm	5.0	103	90	110			
Sample ID: MBLK-1_080722	Method Blank				Run: PH_COND2-R_080722C			07/22/08 09:56	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08070357-001BDUP	Sample Duplicate				Run: PH_COND2-R_080722C			07/22/08 10:07	
Conductivity @ 25 C	666	umhos/cm	5.0				0.9	10	
Method: A2540 C								Batch: 080723A-SLDS-TDS-W	
Sample ID: LCS1_080723A	Laboratory Control Sample				Run: BAL-4-R_080724B			07/23/08 11:36	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080723A	Method Blank				Run: BAL-4-R_080724B			07/23/08 11:37	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08070340-001CMS	Sample Matrix Spike				Run: BAL-4-R_080724B			07/24/08 00:00	
Solids, Total Dissolved TDS @ 180 C	1800	mg/L	5.0	96	80	120			
Sample ID: R08070340-001CMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080724B			07/24/08 00:00	
Solids, Total Dissolved TDS @ 180 C	1800	mg/L	5.0	110	80	120	1.5	10	
Sample ID: R08070396-001AMS	Sample Matrix Spike				Run: BAL-4-R_080724B			07/23/08 11:51	
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	125	80	120			S
Sample ID: R08070396-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080724B			07/23/08 11:52	
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	109	80	120	2.4	10	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: 080721A-SLDS-TSS-W	
Sample ID: LCS1_080721A	Laboratory Control Sample				Run: BAL-4-R_080721B			07/21/08 14:54	
Solids, Total Suspended TSS @ 105 C	190	mg/L	5.0	97	85	115			
Sample ID: MBLK1_080721A	Method Blank				Run: BAL-4-R_080721B			07/21/08 14:55	
Solids, Total Suspended TSS @ 105 C	ND	mg/L	2						
Sample ID: R08070343-003CDUP	Sample Duplicate				Run: BAL-4-R_080721B			07/21/08 15:09	
Solids, Total Suspended TSS @ 105 C	19000	mg/L	5.0				5.1	20	
Method: A3114 B								Batch: C_SE3114-0808015A	
Sample ID: MBLK	Method Blank				Run: SUB-C105972			08/15/08 11:38	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-121-5	Laboratory Control Sample				Run: SUB-C105972			08/15/08 11:40	
Selenium-IV	0.049	mg/L	0.0010	98	90	110			
Sample ID: C08071121-001AMS	Sample Matrix Spike				Run: SUB-C105972			08/15/08 11:46	
Selenium-IV	0.055	mg/L	0.0010	109	85	115			
Sample ID: C08071121-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105972			08/15/08 11:48	
Selenium-IV	0.057	mg/L	0.0010	113	85	115	4	10	
Method: A3114 B								Batch: C_SE3114-0808015B	
Sample ID: MBLK	Method Blank				Run: SUB-C105991			08/15/08 15:10	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-121-5	Laboratory Control Sample				Run: SUB-C105991			08/15/08 15:20	
Selenium	0.047	mg/L	0.0010	95	90	110			
Sample ID: C08071121-001AMS	Sample Matrix Spike				Run: SUB-C105991			08/15/08 15:24	
Selenium	0.047	mg/L	0.0010	91	85	115			
Sample ID: C08071121-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C105991			08/15/08 15:26	
Selenium	0.048	mg/L	0.0010	93	85	115	2.1	15	
Method: A4500-H B								Batch: 080722_1_PH-W	
Sample ID: LCS_pH-1_080722	Laboratory Control Sample				Run: PH_COND2-R_080722A			07/22/08 09:14	
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R08070352-003CDUP	Sample Duplicate				Run: PH_COND2-R_080722A			07/22/08 09:33	
pH	7.83	s.u.	0.010				0	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-07-30_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080730A			07/30/08 11:56	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080730A			07/30/08 11:58	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	102	90	110			
Sample ID: R08070342-001FMS	Sample Matrix Spike				Run: TECHAA2-R_080730A			07/30/08 12:06	
Nitrogen, Ammonia as N	0.66	mg/L	0.10	102	80	120			
Sample ID: R08070342-001FMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080730A			07/30/08 12:07	
Nitrogen, Ammonia as N	0.65	mg/L	0.10	99	80	120	0.9	10	

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_19243	
Sample ID: MB-19243	Method Blank				Run: SUB-C105315			08/04/08 18:29	
Aluminum	0.007	mg/L	0.002						
Boron	0.02	mg/L	0.01						
Iron	ND	mg/L	0.009						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Sodium	ND	mg/L	0.5						
Sample ID: LCS3-19243	Laboratory Control Sample				Run: SUB-C105315			08/04/08 18:33	
Aluminum	2.55	mg/L	0.10	102	85	115			
Boron	0.528	mg/L	0.10	102	85	115			
Iron	2.72	mg/L	0.030	109	85	115			
Calcium	27.0	mg/L	1.0	108	85	115			
Magnesium	26.4	mg/L	1.0	106	85	115			
Potassium	25.9	mg/L	1.0	104	85	115			
Silica	5.57	mg/L	0.10	111	85	115			
Sodium	26.3	mg/L	1.0	105	85	115			
Sample ID: C08071182-001CMS3	Sample Matrix Spike				Run: SUB-C105315			08/04/08 19:02	
Aluminum	2.59	mg/L	0.10	101	70	130			
Boron	0.792	mg/L	0.10	106	70	130			
Iron	3.18	mg/L	0.030	110	70	130			
Calcium	29.9	mg/L	1.0	112	70	130			
Magnesium	27.6	mg/L	1.0	109	70	130			
Potassium	26.4	mg/L	1.0	103	70	130			
Sodium	396	mg/L	1.1		70	130			A
Sample ID: C08071182-001CMSD3	Sample Matrix Spike Duplicate				Run: SUB-C105315			08/04/08 19:06	
Aluminum	2.44	mg/L	0.10	95	70	130	6	20	
Boron	0.738	mg/L	0.10	95	70	130	7.1	20	
Iron	2.88	mg/L	0.030	98	70	130	9.8	20	
Calcium	27.4	mg/L	1.0	102	70	130	8.7	20	
Magnesium	25.4	mg/L	1.0	100	70	130	8.2	20	
Potassium	25.5	mg/L	1.0	99	70	130	3.5	20	
Sodium	386	mg/L	1.1		70	130	2.7	20	A
Sample ID: MB-19243	Method Blank				Run: SUB-C105946			08/14/08 13:16	
Aluminum	ND	mg/L	0.002						
Boron	0.03	mg/L	0.01						
Iron	ND	mg/L	0.009						
Calcium	ND	mg/L	0.08						
Magnesium	ND	mg/L	0.08						
Potassium	ND	mg/L	0.04						
Sodium	ND	mg/L	0.5						

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_19243
Sample ID: MB-19243	Method Blank				Run: SUB-C105946				08/14/08 13:16
Sample ID: LCS3-19243	Laboratory Control Sample				Run: SUB-C105946				08/14/08 13:20
Aluminum	2.50	mg/L	0.10	100	85	115			
Boron	0.531	mg/L	0.10	101	85	115			
Iron	2.71	mg/L	0.030	108	85	115			
Calcium	26.6	mg/L	1.0	106	85	115			
Magnesium	27.7	mg/L	1.0	111	85	115			
Potassium	24.6	mg/L	1.0	98	85	115			
Silica	5.45	mg/L	0.10	109	85	115			
Sodium	23.6	mg/L	1.0	95	85	115			

Qualifiers:
RL - Analyte reporting limit.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R107273	
Sample ID: MB-080909A	Method Blank				Run: SUB-C107273			09/09/08 15:13	
Silica	ND	mg/L	0.02						
Boron	ND	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080909A	Laboratory Fortified Blank				Run: SUB-C107273			09/09/08 15:18	
Silica	0.38	mg/L	0.10	95	85	125			
Boron	1.0	mg/L	0.10	102	85	125			
Calcium	53	mg/L	0.50	105	85	125			
Iron	1.1	mg/L	0.030	106	85	125			
Magnesium	53	mg/L	0.50	105	85	125			
Potassium	47	mg/L	0.50	93	85	125			
Sodium	52	mg/L	0.77	104	85	125			
Sample ID: C08090002-001BMS2	Sample Matrix Spike				Run: SUB-C107273			09/09/08 19:57	
Boron	2.06	mg/L	0.10	103	70	130			
Iron	2.08	mg/L	0.030	101	70	130			
Calcium	126	mg/L	1.0	104	70	130			
Magnesium	103	mg/L	1.0	101	70	130			
Potassium	95.4	mg/L	1.0	94	70	130			
Silica	4.26	mg/L	0.10		70	130			A
Sodium	115	mg/L	1.5	101	70	130			
Sample ID: C08090002-001BMSD2	Sample Matrix Spike Duplicate				Run: SUB-C107273			09/09/08 20:01	
Boron	2.06	mg/L	0.10	103	70	130	0.4	20	
Iron	2.10	mg/L	0.030	102	70	130	1.2	20	
Calcium	126	mg/L	1.0	103	70	130	0.3	20	
Magnesium	103	mg/L	1.0	100	70	130	0.6	20	
Potassium	94.1	mg/L	1.0	92	70	130	1.4	20	
Silica	4.35	mg/L	0.10		70	130	2	20	A
Sodium	116	mg/L	1.5	101	70	130	0.4	20	
Sample ID: C08090083-001BMS2	Sample Matrix Spike				Run: SUB-C107273			09/09/08 21:18	
Boron	1.33	mg/L	0.10	101	70	130			
Iron	1.03	mg/L	0.030	103	70	130			
Calcium	53.7	mg/L	1.0	106	70	130			
Magnesium	51.2	mg/L	1.0	102	70	130			
Potassium	45.6	mg/L	1.0	91	70	130			
Silica	6.48	mg/L	0.10		70	130			A
Sodium	163	mg/L	1.0	95	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R107273	
Sample ID: C08090083-001BMSD2	Sample Matrix Spike Duplicate				Run: SUB-C107273			09/09/08 21:22	
Boron	1.30	mg/L	0.10	98	70	130	2.4	20	
Iron	0.975	mg/L	0.030	98	70	130	5.7	20	
Calcium	51.3	mg/L	1.0	101	70	130	4.5	20	
Magnesium	48.9	mg/L	1.0	98	70	130	4.7	20	
Potassium	44.9	mg/L	1.0	89	70	130	1.4	20	
Silica	6.23	mg/L	0.10		70	130	3.9	20	A
Sodium	161	mg/L	1.0	91	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_19243
Sample ID: MB-19243	Method Blank				Run: SUB-C105162				08/01/08 01:28
Arsenic	0.02	mg/L	4E-05						
Barium	ND	mg/L	7E-05						
Cadmium	ND	mg/L	2E-05						
Chromium	0.007	mg/L	5E-05						
Copper	ND	mg/L	0.0004						
Lead	ND	mg/L	5E-05						
Manganese	0.0002	mg/L	3E-05						
Molybdenum	ND	mg/L	4E-05						
Nickel	ND	mg/L	0.0002						
Silver	ND	mg/L	0.0002						
Uranium	ND	mg/L	3E-05						
Vanadium	0.1	mg/L	0.0007						
Zinc	0.001	mg/L	0.0007						
Sample ID: LCS3-19243	Laboratory Control Sample				Run: SUB-C105162				08/01/08 01:35
Arsenic	0.570	mg/L	0.0010	109	85	115			
Barium	0.534	mg/L	0.10	107	85	115			
Cadmium	0.271	mg/L	0.010	108	85	115			
Chromium	0.533	mg/L	0.050	105	85	115			
Copper	0.530	mg/L	0.010	106	85	115			
Lead	0.512	mg/L	0.050	102	85	115			
Manganese	2.86	mg/L	0.010	114	85	115			
Molybdenum	0.515	mg/L	0.10	103	85	115			
Nickel	0.529	mg/L	0.050	106	85	115			
Silver	0.0343	mg/L	0.010	69	85	115			S
Uranium	0.557	mg/L	0.00030	112	85	115			
Vanadium	0.772	mg/L	0.10	133	85	115			S
Zinc	0.538	mg/L	0.010	107	85	115			
Sample ID: C08071182-001CMS3	Sample Matrix Spike				Run: SUB-C105162				08/01/08 04:45
Arsenic	0.569	mg/L	0.0010	109	70	130			
Barium	0.587	mg/L	0.10	105	70	130			
Cadmium	0.262	mg/L	0.010	105	70	130			
Chromium	0.542	mg/L	0.050	107	70	130			
Copper	0.542	mg/L	0.010	108	70	130			
Lead	0.499	mg/L	0.050	100	70	130			
Manganese	2.83	mg/L	0.010	113	70	130			
Molybdenum	0.503	mg/L	0.10	101	70	130			
Nickel	0.532	mg/L	0.050	106	70	130			
Silver	0.0337	mg/L	0.010	67	70	130			S
Uranium	0.546	mg/L	0.00030	109	70	130			
Vanadium	0.799	mg/L	0.10	112	70	130			
Zinc	0.540	mg/L	0.010	107	70	130			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_19243
Sample ID: C08071182-001CMSD3	Sample Matrix Spike Duplicate				Run: SUB-C105162			08/01/08 04:52	
Arsenic	0.538	mg/L	0.0010	103	70	130	5.6	20	
Barium	0.561	mg/L	0.10	100	70	130	4.5	20	
Cadmium	0.248	mg/L	0.010	99	70	130	5.7	20	
Chromium	0.512	mg/L	0.050	101	70	130	5.7	20	
Copper	0.510	mg/L	0.010	102	70	130	6.1	20	
Lead	0.480	mg/L	0.050	96	70	130	3.8	20	
Manganese	2.69	mg/L	0.010	107	70	130	5	20	
Molybdenum	0.483	mg/L	0.10	97	70	130	4	20	
Nickel	0.504	mg/L	0.050	101	70	130	5.5	20	
Silver	0.0359	mg/L	0.010	72	70	130	6.2	20	
Uranium	0.521	mg/L	0.00030	104	70	130	4.6	20	
Vanadium	0.748	mg/L	0.10	102	70	130	6.6	20	
Zinc	0.524	mg/L	0.010	103	70	130	3.1	20	
Method: E200.8									Batch: C_19254
Sample ID: MB-19254	Method Blank				Run: SUB-C105957			08/14/08 16:14	
Thorium 232	0.0006	mg/L							
Uranium	1E-05	mg/L							
Sample ID: LCS1-19254	Laboratory Control Sample				Run: SUB-C105957			08/14/08 16:21	
Thorium 232	0.0484	mg/L	0.0010	91	80	120			
Uranium	0.0513	mg/L	0.00030	97	80	120			
Sample ID: R08070343-003K	Post Digestion Spike				Run: SUB-C105957			08/14/08 17:17	
Thorium 232	0.180	mg/L	0.0010	99	70	130			
Uranium	0.182	mg/L	0.00030	106	70	130			
Sample ID: R08070343-003K	Post Digestion Spike Duplicate				Run: SUB-C105957			08/14/08 17:24	
Thorium 232	0.180	mg/L	0.0010	99	70	130	0	20	
Uranium	0.182	mg/L	0.00030	106	70	130	0.3	20	

Qualifiers:
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R105384	
Sample ID: LRB	Method Blank				Run: SUB-C105384			08/05/08 13:12	
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C105384			08/05/08 13:18	
Arsenic	0.0564	mg/L	0.0010	113	85	115			
Barium	0.0559	mg/L	0.0010	112	85	115			
Cadmium	0.0557	mg/L	0.0010	111	85	115			
Chromium	0.0537	mg/L	0.0010	107	85	115			
Copper	0.0576	mg/L	0.0010	115	85	115			
Lead	0.0563	mg/L	0.0010	113	85	115			
Manganese	0.0536	mg/L	0.0010	107	85	115			
Mercury	0.00558	mg/L	0.0010	112	85	115			
Molybdenum	0.0564	mg/L	0.0010	113	85	115			
Nickel	0.0574	mg/L	0.0010	115	85	115			
Thorium 232	0.0538	mg/L	0.0010	108	85	115			
Uranium	0.0543	mg/L	0.00030	109	85	115			
Vanadium	0.0531	mg/L	0.0010	106	85	115			
Zinc	0.0579	mg/L	0.0010	116	85	115			
Sample ID: C08071095-005BMS4	Post Digestion Spike				Run: SUB-C105384			08/05/08 19:08	
Arsenic	0.0597	mg/L	0.0010	110	70	130			
Barium	0.191	mg/L	0.10	105	70	130			
Cadmium	0.0518	mg/L	0.010	104	70	130			
Chromium	0.0499	mg/L	0.050	100	70	130			
Copper	0.0573	mg/L	0.010	104	70	130			
Lead	0.0542	mg/L	0.050	108	70	130			
Manganese	0.279	mg/L	0.010		70	130			A
Mercury	0.00535	mg/L	0.0010	107	70	130			
Molybdenum	0.0543	mg/L	0.10	103	70	130			
Nickel	0.0557	mg/L	0.050	104	70	130			
Thorium 232	0.0521	mg/L	0.0010	104	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R105384	
Sample ID: C08071095-005BMS4	Post Digestion Spike				Run: SUB-C105384			08/05/08 19:08	
Uranium	0.0590	mg/L	0.00030	108	70	130			
Vanadium	0.0515	mg/L	0.10	100	70	130			
Zinc	0.0576	mg/L	0.010	105	70	130			
Sample ID: C08071095-005BMSD4	Post Digestion Spike Duplicate				Run: SUB-C105384			08/05/08 19:14	
Arsenic	0.0585	mg/L	0.0010	107	70	130	2.1	20	
Barium	0.194	mg/L	0.10	111	70	130	1.5	20	
Cadmium	0.0518	mg/L	0.010	104	70	130	0.1	20	
Chromium	0.0499	mg/L	0.050	100	70	130	0	20	
Copper	0.0563	mg/L	0.010	102	70	130	1.8	20	
Lead	0.0530	mg/L	0.050	105	70	130	2.1	20	
Manganese	0.279	mg/L	0.010		70	130	0.1	20	A
Mercury	0.00525	mg/L	0.0010	105	70	130	1.8	20	
Molybdenum	0.0549	mg/L	0.10	104	70	130	0	20	
Nickel	0.0549	mg/L	0.050	102	70	130	1.5	20	
Thorium 232	0.0512	mg/L	0.0010	102	70	130	1.8	20	
Uranium	0.0575	mg/L	0.00030	105	70	130	2.5	20	
Vanadium	0.0519	mg/L	0.10	101	70	130	0	20	
Zinc	0.0568	mg/L	0.010	103	70	130	1.3	20	
Sample ID: C08071390-001CMS4	Post Digestion Spike				Run: SUB-C105384			08/05/08 20:35	
Arsenic	0.0551	mg/L	0.0010	107	70	130			
Barium	0.0670	mg/L	0.10	107	70	130			
Cadmium	0.0493	mg/L	0.010	99	70	130			
Chromium	0.0480	mg/L	0.050	96	70	130			
Copper	0.0492	mg/L	0.010	97	70	130			
Lead	0.0545	mg/L	0.050	109	70	130			
Manganese	0.0869	mg/L	0.010	103	70	130			
Mercury	0.00539	mg/L	0.0010	108	70	130			
Molybdenum	0.0529	mg/L	0.10	104	70	130			
Nickel	0.0491	mg/L	0.050	98	70	130			
Thorium 232	0.0553	mg/L	0.0010	111	70	130			
Uranium	0.0557	mg/L	0.00030	111	70	130			
Vanadium	0.0495	mg/L	0.10	98	70	130			
Zinc	0.0506	mg/L	0.010	99	70	130			
Sample ID: C08071390-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C105384			08/05/08 20:42	
Arsenic	0.0557	mg/L	0.0010	108	70	130	0.9	20	
Barium	0.0677	mg/L	0.10	108	70	130	0	20	
Cadmium	0.0505	mg/L	0.010	101	70	130	2.6	20	
Chromium	0.0499	mg/L	0.050	100	70	130	0	20	
Copper	0.0504	mg/L	0.010	99	70	130	2.4	20	
Lead	0.0540	mg/L	0.050	108	70	130	0.9	20	
Manganese	0.0881	mg/L	0.010	106	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R105384
Sample ID: C08071390-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C105384			08/05/08 20:42	
Mercury	0.00536	mg/L	0.0010	107	70	130	0.5	20	
Molybdenum	0.0547	mg/L	0.10	108	70	130	0	20	
Nickel	0.0504	mg/L	0.050	101	70	130	2.7	20	
Thorium 232	0.0557	mg/L	0.0010	111	70	130	0.6	20	
Uranium	0.0556	mg/L	0.00030	111	70	130	0.1	20	
Vanadium	0.0510	mg/L	0.10	102	70	130	0	20	
Zinc	0.0507	mg/L	0.010	99	70	130	0.1	20	
Method: E200.8									Batch: C_R105472
Sample ID: LRB	Method Blank				Run: SUB-C105472			08/06/08 12:39	
Aluminum	ND	mg/L	0.0001						
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C105472			08/06/08 12:46	
Aluminum	0.0484	mg/L	0.0010	97	85	115			
Silver	0.0195	mg/L	0.0010	98	85	115			
Sample ID: C08071183-003BMS4	Post Digestion Spike				Run: SUB-C105472			08/06/08 18:32	
Aluminum	0.141	mg/L	0.10	110	70	130			
Silver	0.0158	mg/L	0.010	79	70	130			
Sample ID: C08071183-003BMSD4	Post Digestion Spike Duplicate				Run: SUB-C105472			08/06/08 18:39	
Aluminum	0.138	mg/L	0.10	104	70	130	2.1	20	
Silver	0.0159	mg/L	0.010	79	70	130	0.8	20	
Method: E245.1									Batch: B_33735
Sample ID: MB-33735	Method Blank				Run: SUB-B114848			07/29/08 11:25	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33735	Laboratory Fortified Blank				Run: SUB-B114848			07/29/08 11:32	
Mercury	0.0018	mg/L	0.0010	89	85	115			
Sample ID: B08072374-001BMS	Sample Matrix Spike				Run: SUB-B114848			07/29/08 12:18	
Mercury	0.0022	mg/L	0.0010	107	70	130			
Sample ID: B08072374-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-B114848			07/29/08 12:21	
Mercury	0.0021	mg/L	0.0010	103	70	130	4.8	30	

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R36265
Sample ID: LFB0807215435-3	Laboratory Fortified Blank				Run: DIONEX_080721A				07/21/08 17:59
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	2.02	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.34	mg/L	0.10	94	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0807215435-4	Laboratory Fortified Blank				Run: DIONEX_080721A				07/21/08 18:15
Chloride	4.89	mg/L	0.50	98	90	110			
Fluoride	2.08	mg/L	0.10	104	90	110			
Nitrogen, Nitrate as N	2.41	mg/L	0.10	96	90	110			
Sulfate	14.5	mg/L	1.0	97	90	110			
Sample ID: R08070343-002CMS	Sample Matrix Spike				Run: DIONEX_080721A				07/21/08 22:05
Chloride	249	mg/L	5.4	93	80	120			
Fluoride	106	mg/L	0.56	106	80	120			
Nitrogen, Nitrate as N	120	mg/L	1.3	96	80	120			
Sulfate	1880	mg/L	3.4	88	80	120			
Sample ID: R08070343-002CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080721A				07/21/08 22:21
Chloride	242	mg/L	5.4	91	80	120	2.6	10	
Fluoride	103	mg/L	0.56	103	80	120	2.4	10	
Nitrogen, Nitrate as N	117	mg/L	1.3	94	80	120	2.4	10	
Sulfate	1850	mg/L	3.4	83	80	120	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0								Batch: C_GrAB-0508	
Sample ID: MB-GrAB-0508	Method Blank				Run: SUB-C106727			08/29/08 01:04	
Gross Alpha	0.02	pCi/L							U
Gross Beta	-0.8	pCi/L							U
Sample ID: UNAT-GrAB-0508	Laboratory Control Sample				Run: SUB-C106727			08/29/08 01:04	
Gross Alpha	130	pCi/L		93	70	130			
Sample ID: Cs137-GrAB-0508	Laboratory Control Sample				Run: SUB-C106727			08/29/08 01:04	
Gross Beta	92	pCi/L		99	70	130			
Sample ID: C08071157-005DMS	Sample Matrix Spike				Run: SUB-C106727			08/29/08 01:04	
Gross Alpha	116	pCi/L		84	70	130			
Sample ID: C08071157-005DMSD	Sample Matrix Spike Duplicate				Run: SUB-C106727			08/29/08 01:04	
Gross Alpha	137	pCi/L		99	70	130	16	20	
Sample ID: C08071157-005DMS	Sample Matrix Spike				Run: SUB-C106727			08/29/08 01:04	
Gross Beta	94.7	pCi/L		102	70	130			
Sample ID: C08071157-005DMSD	Sample Matrix Spike Duplicate				Run: SUB-C106727			08/29/08 01:04	
Gross Beta	92.2	pCi/L		99	70	130	2.7	15.9	
Method: E901.1								Batch: C_R105938	
Sample ID: LCS-R105938	Laboratory Control Sample				Run: SUB-C105938			08/08/08 07:23	
Cesium 137	39300	pCi/L	20	102	70	130			
Cobalt 60	38200	pCi/L	20	95	70	130			
Sample ID: MB-R105938	Method Blank				Run: SUB-C105938			08/08/08 07:23	
Gross Gamma		pCi/L							
Sample ID: R08070343-003I	Sample Duplicate				Run: SUB-C105938			08/08/08 07:23	
Gross Gamma	ND	pCi/L	20				0	30	
Method: E903.0								Batch: C_19254	
Sample ID: C08071121-001KMS	Sample Matrix Spike				Run: SUB-C105911			08/13/08 12:12	
Radium 226	34	pCi/L		90	70	130			
Sample ID: C08071121-001KMSD	Sample Matrix Spike Duplicate				Run: SUB-C105911			08/13/08 12:12	
Radium 226	34	pCi/L		92	70	130	1.5	24.8	
Sample ID: MB-19254	Method Blank				Run: SUB-C105911			08/13/08 13:55	
Radium 226	-1	pCi/L							U
Sample ID: LCS-19254	Laboratory Control Sample				Run: SUB-C105911			08/13/08 13:55	
Radium 226	69	pCi/L		89	70	130			

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 09/12/08
Work Order: R08070343

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0								Batch: C_RA226-3011	
Sample ID: MB-RA226-3011	Method Blank				Run: SUB-C106242			08/20/08 12:53	
Radium 226	-0.3	pCi/L							U
Sample ID: LCS-RA226-3011	Laboratory Control Sample				Run: SUB-C106242			08/20/08 12:53	
Radium 226	7.6	pCi/L		101	70	130			
Sample ID: C08071121-001JMS	Sample Matrix Spike				Run: SUB-C106242			08/20/08 12:53	
Radium 226	17	pCi/L		107	70	130			
Sample ID: C08071121-001JMSD	Sample Matrix Spike Duplicate				Run: SUB-C106242			08/20/08 12:53	
Radium 226	18	pCi/L		112	70	130	4.8	29.5	
Method: E907.0								Batch: C_19254	
Sample ID: C08071010-002EMS	Sample Matrix Spike				Run: SUB-C106091			08/06/08 10:30	
Thorium 230	24.2	pCi/L	0.20	100	70	130			
Sample ID: C08071010-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C106091			08/06/08 10:30	
Thorium 230	24.4	pCi/L	0.20	104	70	130	0.7	30	
Sample ID: LCS-19254	Laboratory Control Sample				Run: SUB-C106091			08/06/08 10:30	
Thorium 230	50.1	pCi/L	0.20	103	70	130			
Sample ID: MB-19254	Method Blank				Run: SUB-C106091			08/06/08 10:30	
Thorium 230	0.1	pCi/L							U
Method: E907.0								Batch: C_R106559	
Sample ID: LCS-R106559	Laboratory Control Sample				Run: SUB-C106559			08/18/08 14:00	
Thorium 230	6.36	pCi/L	0.20	104	70	130			
Sample ID: R08070343-001J	Sample Matrix Spike				Run: SUB-C106559			08/18/08 14:00	
Thorium 230	14.5	pCi/L	0.20	90	70	130			
Sample ID: R08070343-001J	Sample Matrix Spike Duplicate				Run: SUB-C106559			08/18/08 14:00	
Thorium 230	15.4	pCi/L	0.20	96	70	130	6	30	
Sample ID: MB-R106559	Method Blank				Run: SUB-C106559			08/18/08 14:00	
Thorium 230	ND	pCi/L							U

Qualifiers:

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U - Not detected at minimum detectable concentration

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
~~PowerTech DB~~ RESIEC	PowerTech DB	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** / **Phone/Fax:**	**Email:**	**Sampler: (Please Print)**
	cory.foreman@resiec.com		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

ANALYSIS REQUESTED: call Cory Foreman

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments: Sample Split into proper Containers in LAB. SF

Shipped by:

Cooler ID(s):

Receipt Temp 9.4 °C

On Ice: Yes No

Custody Seal Y N

Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Comments	LABORATORY USE ONLY
1	Dew Burd PSC01-2	7/18/08	early a.m.	W	bottle 2	B8070343-001
2	Dew Burd PSC02-1	7/18/08	early a.m.	W	bottle 1	002
3	Dew Burd PSC02-2	7/18/08	early a.m.	W	bottle 2	003
4						
5						
6						
7						
8						
9						
10						

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	7/21/08 0915	[signature]	Steve Troiland	7-21-08 9:15	[signature]
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

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APPENDIX 2.7-G

Groundwater Quality Summary Tables

Table of Contents

Data Qualifiers	
b -	analyte detected in method blank
d -	RL increased due to sample matrix interference
h -	analysis performed past recommended hold time
j -	not detected above minimum detectable concentration
l -	lowest available reporting limit for method used

POWERTECH (USA) INC.

Dewey-Burdock Project				Alluvial Water Quality					Summary Statistics on Hydro ID Means					
Hydro ID				675	676	677	678	679						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			6157	2961.25	11255.5	5936.75	2665.75	5	0	2665.75	11255.5	5795.25	3456.54
Field Dissolved Oxygen	mg/L			0.82	7.915	0.775	1.535	9.44	5	0	0.775	9.44	4.097	4.23
Field pH	s.u.		6.5-8.5	7.115	6.98	6.7525	7.0075	7.435	5	0	6.7525	7.435	7.058	0.25
Field Temperature	Deg C			12.03	10.74	10.1025	10.7925	11.085	5	0	10.10	12.03	10.95	0.70
Field Turbidity	NTUs			20.85	510.6	3.75	7.75	798.5	5	0	3.75	798.5	268.29	367.06
Water Level Elevation	ft AMSL			3482.56	3643.9975	3561.71	3582.1725	3685.4625	5	0	3482.56	3685.46	3591.1805	78.15
Physical Properties														
Conductivity @ 25 C	umhos/cm			6205	2962.5	11375	5952.5	2460	5	0	2460	11375	5791	3552.27
Oxidation-Reduction Potential	mV			213.33	253.33	193.33	223.33	223.33	5	0	193.33	253.33	221.33	21.68
pH, Laboratory	s.u.		6.5-8.5	7.3475	7.24	7.16	7.385	7.59	5	0	7.16	7.59	7.3445	0.16
Sodium Adsorption Ratio (SAR)	unitless			6.43	0.94	16.33	5.03	0.86	5	0	0.86	16.33	5.92	6.32
Solids, Total Dissolved TDS @ 180 C	mg/L		500	5950	2750	9325	5875	2525	5	0	2525	9325	5285	2790.87
Major Ions														
Alkalinity, Total as CaCO3	mg/L			385	224	497	479	144.5	5	0	144.5	497	345.9	156.12
Bicarbonate as HCO3	mg/L			469.25	273.25	606	583.75	176.5	5	0	176.5	606	421.75	190.16
Calcium, Dissolved	mg/L			424.75	514.5	467	426	454	5	0	424.75	514.5	457.25	36.80
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	65.75	14.5	1625	68.75	12	5	0	12	1625	357.2	709.24
Fluoride	mg/L	4	2	0.4	0.275	0.225	0.6375	0.325	5	0	0.225	0.6375	0.3725	0.16
Magnesium, Dissolved	mg/L			371.25	115	405.75	441.5	97.625	5	0	97.625	441.5	286.225	166.22
Nitrogen, Ammonia as N	mg/L			0.325	<0.1	0.0875	<0.1	<0.1	5	3	<0.1	0.325	0.1125	0.12
Nitrogen, Nitrate as N	mg/L	10		0.055	0.865	0.1025	0.1475	1.225	5	0	0.055	1.225	0.479	0.53
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			24.85	11.875	11.325	19.15	11.7	5	0	11.325	24.85	15.78	6.03
Silica	mg/L			13.15	12.2	8.45	13.625	10.425	5	0	8.45	13.625	11.57	2.13
Sodium, Dissolved	mg/L			730.25	88.75	1965	612.5	76.875	5	0	76.875	1965	694.675	769.83
Sulfate, Total	mg/L		250	3522.5	1735	4425	3485	1485	5	0	1485	4425	2930.5	1265.91
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	0.001	<0.001	5	2	<0.001	0.001	0.001	0.0003
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.350	0.450	0.800	1.425	0.400	5	0	0.350	1.425	0.685	0.450
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	5	5	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.5525	<0.03	<0.03	<0.03	<0.03	5	4	<0.03	0.553	0.123	0.240
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	3.11	0.013	2.413	2.803	0.063	5	0	0.013	3.110	1.680	1.520
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	5	5	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.001	0.013	0.001	0.002	0.013	5	0	0.001	0.013	0.006	0.006
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.039	0.055	0.038	0.036	0.014	5	0	0.014	0.055	0.036	0.015
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.088	<0.1	5	4	<0.1	0.088	0.058	0.017
Zinc, Dissolved	mg/L		5	0.013	0.011	0.013	0.008	<0.01	5	1	<0.01	0.013	0.010	0.003
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			0.001	0.012	<0.001	0.001	0.011	5	1	<0.001	0.012	0.005	0.006
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		0.001	0.020	0.008	0.001	0.003	5	0	0.001	0.020	0.007	0.008
Metals, Total														
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	5	5	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.011	0.001	0.002	0.009	5	0	0.001	0.011	0.005	0.005
Barium, Total	mg/L	2		<0.1	0.275	<0.1	<0.1	0.250	5	3	<0.1	0.275	0.135	0.117
Beryllium, Total	mg/L	0.004		<0.001	0.002	<0.001	<0.001	0.001	5	3	<0.001	0.002	0.001	0.001
Boron, Total	mg/L			0.175	0.450	0.700	1.500	0.225	5	0	0.175	1.500	0.610	0.539
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.001	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	0.038	<0.05	<0.05	<0.05	5	4	<0.05	0.038	0.028	0.006
Copper, Total	mg/L		1	<0.01	0.063	<0.01	<0.01	0.025	5	3	<0.01	0.063	0.021	0.025
Iron, Total	mg/L		0.3	4.255	33.285	0.080	0.028	20.650	5	0	0.028	33.29	11.660	14.771
Lead, Total	mg/L			<0.001	0.030	<0.001	<0.001	0.019	5	3	<0.001	0.030	0.010	0.014
Manganese, Total	mg/L		0.05	3.210	1.275	2.180	2.665	0.460	5	0	0.460	3.210	1.958	1.099
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	0.0002	5	4	<0.0001	0.0002	0.00043	0.00015
Mercury, Total A3112B	mg/L	0.002		<0.0001	<0.0001	<0.0001	0.0001	NM	5	4	<0.0001	0.0001	0.00006	0.00003
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	0.030	0.015	5	3	<0.1	0.030	0.039	0.016
Nickel, Total	mg/L			<0.05	0.063	<0.05	<0.05	<0.05	5	4	<0.05	0.063	0.033	0.017
Selenium, Total	mg/L	0.05		0.003	0.013	0.003	0.004	0.014	5	0	0.003	0.014	0.007	0.005
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			8.550	8.900	10.800	10.600	7.550	5	0	7.550	10.800	9.280	1.390
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0445	0.064	0.044	0.038	0.016	5	0	0.016	0.064	0.041	0.017
Zinc, Total	mg/L		5	<0.01	0.155	0.008	<0.01	0.075	5	2	<0.01	0.155	0.050	0.066

Dewey-Burdock Project				Alluvial Water Quality					Summary Statistics on Hydro ID Means					
Hydro ID				675	676	677	678	679						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radionuclides, Dissolved														
Gross Alpha, Dissolved	pCi/L	15		30.4	54.025	62.95	34.575	18.5	5	0	18.5	62.95	40.09	18.08
Gross Beta, Dissolved	pCi/L			13.2	16	-7.5	18.05	11.25	5	0	-7.5	18.05	10.2	10.23
Gross Gamma, Dissolved	pCi/L			280	527.5	527.5	552.5	696.5	5	0	280	696.5	516.8	149.89
Lead 210, Dissolved	pCi/L			1.75	1.05	0.925	1.65	3.65	5	0	0.925	3.65	1.805	1.09
Polonium 210, Dissolved	pCi/L			0.925	1.425	0.9	1.175	0.95	5	0	0.9	1.425	1.075	0.22
Radium 226, Dissolved	pCi/L	5		0.225	0.125	0.3	0.125	1.2	5	0	0.125	1.2	0.395	0.46
Thorium 230, Dissolved	pCi/L			0.075	0.075	0.075	0.175	0.075	5	0	0.075	0.175	0.095	0.04
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			-1.05	-0.475	-0.2	0	-2.075	5	0	-2.075	0	-0.76	0.83
Polonium 210, Suspended	pCi/L			0.825	0.825	0.825	0.575	0.3	5	0	0.3	0.825	0.67	0.23
Radium 226, Suspended	pCi/L	5		1.2	3.87	0.8	0.4	3.05	5	0	0.4	3.87	1.86	1.51
Thorium 230, Suspended	pCi/L			0.375	1.1	0.675	0.1	1	5	0	0.1	1.1	0.65	0.42
Radionuclides, Total														
Lead 210, Total	pCi/L			14	<1	<1	<1	<1	5	4	<1	14	3.2	6.04
Polonium 210, Total	pCi/L			<1	<1	<1	<1	<1	5	5	<1	<1	<1	<1
Radium 226, Total	pCi/L	5		2.3	<0.2	<0.2	<0.2	2.5	5	3	<0.2	2.5	1.02	1.26
Radon 222, Total	pCi/L			818.33	631.33	983.33	521.67	1413.00	5	0	521.67	1413.00	873.53	349.50
Thorium 230, Total	pCi/L			<0.2	<0.2	<0.2	<0.2	1.9	5	4	<0.2	1.9	0.46	0.80
Data Quality Parameters														
A/C Balance (± 5)	%			0.8725	-1.008975	-0.285	0.40225	1.255	5	0	-1.01	1.255	0.25	0.91
Anions	meq/l			82.875	40	143.5	84.175	33.425	5	0	33.425	143.5	76.795	44.09
Cations	meq/l			84.425	136.025	143	84.925	34.35	5	0	34.35	143	96.545	44.35
Solids, Total Dissolved Calculated	mg/L			5372.5	2570	8990	5350	2197.5	5	0	2197.5	8990	4896	2733.41
TDS Balance (0.80 - 1.20)	dec. %			1.1075	1.0725	1.0375	1.105	1.1525	5	0	1.0375	1.1525	1.095	0.04

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Project				Fall River Water Quality								
Hydro ID				5	7	8	18	628	631	681	688	694
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*
Field Parameters												
Field Conductivity	umhos/cm			2622.5	1405.50	1266.50	1356.00	1480.50	2076.50	1338.67	1223.31	1432.00
Field Dissolved Oxygen	mg/L			1.995	4.22	5.42	1.31	0.07	2.23	0.24	2.12	0.24
Field pH	s.u.		6.5-8.5	7.8325	7.96	7.89	8.15	8.25	7.38	7.70	8.44	8.15
Field Temperature	Deg C			11.24	11.10	11.95	11.97	14.89	11.55	14.54	11.96	11.82
Field Turbidity	NTUs			1	0.43	0.10	0.73	1.80	0.23	1.67	5.23	2.18
Water Level Elevation	ft AMSL			NM	NM	3574.61	NM	3695.63	3715.24	3645.08	3663.2618	3639.08
Physical Properties												
Conductivity @ 25 C	umhos/cm			2870	1542.00	1457.50	1428.00	1860.00	2325.00	1323.33	1200.77	1388.33
Non-polar Materials (SGT-HEM)	mg/L			NM	<5	NM	<5	NM	NM	NM	NM	NM
Oxidation-Reduction Potential	mV			193.13	200.00	193.33	136.67	128.67	136.67	198.67	219.23	183.25
pH, Laboratory	s.u.		6.5-8.5	7.8675	8.11	7.95	8.09	8.24	7.53	7.94	8.45	8.25
Sodium Adsorption Ratio (SAR)	unitless			9.63	9.90	6.17	10.33	8.93	1.13	5.73	6.01	11.42
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2250	990.00	975.00	960.00	1250.00	1975.00	908.00	773.85	910.00
Major Ions												
Alkalinity, Total as CaCO3	mg/L			120	171.20	169.00	180.00	154.00	162.50	173.07	144.77	180.17
Bicarbonate as HCO3	mg/L			146.25	209.20	206.00	219.40	184.25	198.25	211.00	162.77	218.75
Calcium, Dissolved	mg/L			124.5	35.60	54.10	34.16	39.33	318.50	62.90	46.42	30.10
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	7.85	<5
Chloride	mg/L		250	23.25	11.80	12.00	13.20	47.00	9.50	15.20	11.31	12.67
Fluoride	mg/L	4	2	0.35	0.35	0.43	0.42	0.45	0.33	0.47	0.52	0.38
Magnesium, Dissolved	mg/L			49.925	15.00	23.68	12.10	16.60	91.20	24.14	19.88	10.51
Nitrogen, Ammonia as N	mg/L			0.375	0.34	0.19	0.18	0.30	<0.1	<0.1	0.25	0.39
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.9	10.78	14.58	7.08	8.70	15.90	10.01	13.03	9.57
Silica	mg/L			8.125	6.73	6.10	6.70	5.18	6.35	6.37	11.18	6.25
Silicon as SiO2	mg/L			NM	7	NM	7	NM	NM	NM	NM	NM
Sodium, Dissolved	mg/L			502.5	274.40	221.25	275.80	320.25	92.35	210.93	191.85	283.42
Sulfate, Total	mg/L		250	1442.5	559.20	525.75	511.40	707.75	1240.00	483.40	425.38	484.92
Metals, Dissolved												
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.01	0.001	0.002	0.001	0.001	0.002	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.425	<0.1	0.06	<0.1	0.21	0.14	0.05	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	0.04	0.45	<0.03	0.03	0.04
Lead, Dissolved	mg/L			0.001125	<0.01	<0.05	<0.05	<0.001	<0.05	0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.0625	0.03	0.09	0.06	0.10	0.30	0.09	0.04	0.06
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	0.03	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.000625	<0.005	0.000875	<0.005	0.000875	0.001375	<0.005	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.00195	<0.001	0.0002	0.01	0.003	0.003	0.01	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.00875	<0.01	0.0125	<0.01	0.01	<0.01	0.01	<0.01	<0.01
Metals, Dissolved, Speciated												
Selenium-IV, Dissolved	mg/L			0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended												
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	0.0005	<0.0003	<0.0003	0.0002	0.001	<0.0009
Metals, Total												
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.00075	0.00175	0.00175	0.00250	0.00250	0.00125	0.00379	0.00362	0.00121
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
Boron, Total	mg/L			0.45	<0.1	<0.1	<0.1	0.08	0.15	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.095	0.41	0.22	1.08	0.68	1.02	0.05	0.21	0.16
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.001	<0.001
Manganese, Total	mg/L		0.05	0.055	0.03	0.09	0.06	0.09	0.30	0.08	0.05	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		<0.0001	NM	NM	NM	NM	NM	<0.0001	<0.0001	NM
Molybdenum, Total	mg/L			0.03	<0.1	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.00075	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001	<0.002
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			4.4	1.05	1.60	0.65	0.90	6.20	1.19	1.25	0.78
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.002	<0.0003	<0.0003	0.01	0.003	0.003	0.01	0.0002	<0.0003

Dewey-Burdock Project				Fall River Water Quality								
Hydro ID				5	7	8	18	628	631	681	688	694
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	0.01	0.01
Radionuclides, Dissolved												
Actinium 228, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Americium 241, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Barium 133, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Bismuth 212, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Bismuth 214, Dissolved	pCi/L			NM	300	NM	<20	NM	NM	NM	NM	NM
Cesium 134, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Cesium 137, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Cobalt 60, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Gross Alpha, Dissolved	pCi/L	15		8.725	9.48	5.58	26.16	54.33	80.05	1502.40	13.48	9.48
Gross Beta, Dissolved	pCi/L			3.15	11.12	19.53	10.12	22.88	32.15	437.33	14.28	6.84
Gross Gamma, Dissolved	pCi/L			512.75	283.40	407.50	216.00	452.50	765.00	4994.00	407.69	406.67
Iodine 125, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Iodine 131, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Lead 210, Dissolved	pCi/L			0.675	6.38	2.08	1.15	3.78	1.90	29.67	-0.22	-1.87
Lead 212, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Lead 214, Dissolved	pCi/L			NM	350.00	NM	<20	NM	NM	NM	NM	NM
Manganese 54, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Polonium 210, Dissolved	pCi/L			1	0.78	0.60	0.80	1.00	1.18	2.36	0.36	0.11
Potassium 40, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Radium 223, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Radium 224, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Radium 226, Dissolved	pCi/L	5		1.25	1.18	1.38	2.98	10.80	15.98	379.80	2.38	1.21
Radium 226, Dissolved E901.1	pCi/L	5		NM	300.00	NM	<20	NM	NM	NM	NM	NM
Radium 228, Dissolved	pCi/L			NM	<1	NM	2.30	NM	NM	NM	NM	NM
Radium 228, Dissolved E901.1	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Thallium 208, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Thorium 228, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Thorium 230, Dissolved	pCi/L			0.125	0.08	0.10	0.10	0.08	0.10	0.07	0.01	0.05
Thorium 234, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Uranium 238, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Zinc 65, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Radionuclides, Suspended												
Lead 210, Suspended	pCi/L			-0.875	-1.48	1.95	7.78	0.68	1.78	11.76	-1.15	-0.11
Polonium 210, Suspended	pCi/L			0.375	0.35	0.35	2.18	1.88	0.40	2.04	0.15	0.13
Radium 226, Suspended	pCi/L	5		0.45	0.09	1.50	1.58	0.45	0.64	1.77	-0.02	-0.18
Thorium 230, Suspended	pCi/L			0.1	0.15	0.08	0.10	0.15	0.20	0.09	1.29	-0.02
Radionuclides, Total												
Lead 210, Total	pCi/L			<1	<1	<1	<1	<1	<1	NM	NM	NM
Polonium 210, Total	pCi/L			<1	<1	<1	6.00	6.40	<1	NM	NM	NM
Radium 226, Total	pCi/L	5		2.4	<0.2	3.50	4.00	6.80	15.20	NM	NM	NM
Radon 222, Total	pCi/L			926	299.67	322.00	1034.25	4046.67	4190.00	278029.73	404.47	276.83
Thorium 230, Total	pCi/L			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NM	NM	NM
Data Quality Parameters												
A/C Balance (± 5)	%			0.32475	0.75	1.17	0.91	-0.10	-1.78	2.57	2.33	3.07
Anions	meq/l			32.125	15.00	14.30	14.78	17.68	28.75	13.84	12.08	14.07
Cations	meq/l			32.4	15.25	14.65	15.08	17.50	27.88	14.57	12.66	14.98
Solids, Total Dissolved Calculated	mg/L			2177.5	999.00	938.25	983.00	1168.25	1845.00	919.73	826.00	956.58
TDS Balance (0.80 - 1.20)	dec. %			1.045	1.01	1.06	0.98	1.08	1.07	0.99	0.94	0.95

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Project				Fall River Water Quality			Summary Statistics on Hydro ID Means					
Hydro ID				695	698	706						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters												
Field Conductivity	umhos/cm			1392.73	2430.50	1589.17	12	0	1223.31	2622.50	1634.49	472.17
Field Dissolved Oxygen	mg/L			0.18	0.24	NM	11	0	0.07	5.42	1.66	1.79
Field pH	s.u.		6.5-8.5	7.80	6.73	7.44	12	0	6.73	8.44	7.81	0.46
Field Temperature	Deg C			12.16	11.71	13.40	12	0	11.10	14.89	12.36	1.24
Field Turbidity	NTUs			2.12	13.14	NM	11	0	0.10	13.14	2.60	3.78
Water Level Elevation	ft AMSL			3631.82	3679.84	3725.07	9	0	3574.61	3725.07	3663.29	46.92
Physical Properties												
Conductivity @ 25 C	umhos/cm			1382.5	2427.50	1512.50	12	0	1200.77	2870.00	1726.45	529.83
Non-polar Materials (SGT-HEM)	mg/L			NM	NM	NM	2	2	<5	<5	<5	<5
Oxidation-Reduction Potential	mV			208.33333	139.23	257.50	12	0	128.67	257.50	182.89	39.78
pH, Laboratory	s.u.		6.5-8.5	8.0108333	7.10	7.49	12	0	7.10	8.45	7.92	0.38
Sodium Adsorption Ratio (SAR)	unitless			7.55	0.98	2.27	12	0	0.98	11.42	6.67	3.63
Solids, Total Dissolved TDS @ 180 C	mg/L		500	925	2183.33	1200.00	12	0	773.85	2250.00	1275.01	538.01
Major Ions												
Alkalinity, Total as CaCO3	mg/L			174.33333	117.17	196.67	12	0	117.17	196.67	161.91	24.12
Bicarbonate as HCO3	mg/L			212.58333	142.92	239.67	12	0	142.92	239.67	195.92	30.58
Calcium, Dissolved	mg/L			50.383333	368.00	167.17	12	0	30.10	368.00	110.93	116.43
Carbonate as CO3	mg/L			<5	<5	<5	12	11	<5	7.85	2.95	1.54
Chloride	mg/L		250	12.083333	9.75	9.66	12	0	9.50	47.00	15.62	10.55
Fluoride	mg/L	4	2	0.45	0.33	0.51	12	0	0.33	0.52	0.41	0.07
Magnesium, Dissolved	mg/L			18.283333	133.75	47.63	12	0	10.51	133.75	38.56	37.85
Nitrogen, Ammonia as N	mg/L			0.1833333	0.16	0.05	12	2	<0.1	0.39	0.21	0.12
Nitrogen, Nitrate as N	mg/L	10		0.0508333	0.05	0.06	12	8	<0.1	0.06	0.05	0.004
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.025	15.98	11.85	12	0	7.08	15.98	11.20	3.06
Silica	mg/L			5.6875	8.12	8.33	12	0	5.18	11.18	7.09	1.63
Silicon as SiO2	mg/L			NM	NM	NM	2	0	7.00	7.00	7.00	0.00
Sodium, Dissolved	mg/L			246	86.60	129.42	12	0	86.60	502.50	236.23	113.07
Sulfate, Total	mg/L		250	491.83333	1370.00	676.83	12	0	425.38	1442.50	743.25	377.51
Metals, Dissolved												
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.000625	<0.001	0.001	12	3	<0.001	0.002	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	0.07	0.05	12	5	<0.1	0.425	0.10	0.11
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	12	12	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.0195833	2.58	<0.03	12	6	<0.03	2.58	0.27	0.74
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	12	10	<0.001	0.001125	0.01	0.01
Manganese, Dissolved	mg/L		0.05	0.0791667	2.41	0.54	12	0	0.03	2.41	0.32	0.67
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	12	11	<0.05	0.03	0.03	0.0003
Selenium, Dissolved	mg/L	0.05		<0.001	0.000542	0.000625	12	6	<0.001	0.001375	0.0012	0.0008
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	12	12	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0028333	0.11	0.01	12	3	<0.0003	0.11	0.012	0.03
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	12	11	<0.1	0.06	0.05	0.004
Zinc, Dissolved	mg/L		5	0.00625	0.01	0.01	12	5	<0.01	0.0125	0.01	0.002
Metals, Dissolved, Speciated												
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	12	11	<0.001	0.0007	0.0005	0.00006
Selenium-VI, Dissolved	mg/L			<0.001	0.001	0.001	12	9	<0.001	0.0007	0.0005	0.0001
Metals, Suspended												
Uranium, Suspended	mg/L	0.03		<0.0009	0.0031	0.0002	12	7	<0.0003	0.0031	0.0006	0.0009
Metals, Total												
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.00125	0.00254	0.00175	12	0	0.00075	0.00379	0.00205	0.00096
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.005	<0.003	<0.001	12	12	<0.001	<0.005	<0.005	<0.005
Boron, Total	mg/L			0.0583333	0.06	0.05	12	6	<0.1	0.45	0.11	0.11
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.1536364	4.76	0.04	12	0	0.04167	4.76417	0.82336	1.30501
Lead, Total	mg/L			<0.001	0.00	<0.001	12	9	<0.001	0.002	0.001	0.0004
Manganese, Total	mg/L		0.05	0.0808333	2.49	0.56	12	0	0.03000	2.48500	0.32747	0.69603
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	3	3	<0.0001	<0.0001	<0.0001	<0.0001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	12	11	<0.01	0.03	0.04	0.01
Nickel, Total	mg/L			<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.0008333	0.001	0.001	12	5	<0.001	0.001	0.001	0.0003
Silver, Total	mg/L		0.1	<0.005	<0.02	<0.005	12	12	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			0.9416667	4.83	2.32	12	0	0.65	6.20	2.18	1.89
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.002875	0.11	0.01	12	3	<0.0003	0.11	0.01	0.03

Dewey-Burdock Project				Fall River Water Quality			Summary Statistics on Hydro ID Means					
Hydro ID				695	698	706						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	0.0058333	0.01	<0.01	12	6	<0.01	0.01	0.01	0.002
Radionuclides, Dissolved												
Actinium 228, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Americium 241, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Barium 133, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Bismuth 212, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Bismuth 214, Dissolved	pCi/L			NM	NM	NM	2	1	<20	300	155	205
Cesium 134, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Cesium 137, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Cobalt 60, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Gross Alpha, Dissolved	pCi/L	15		28.408333	1504.69	29.60	12	0	5.58	1504.69	272.70	575.34
Gross Beta, Dissolved	pCi/L			9.85	483.65	23.88	12	0	3.15	483.65	89.56	173.73
Gross Gamma, Dissolved	pCi/L			403.33333	1218.33	600.93	12	0	216.00	4994.00	889.01	1319.15
Iodine 125, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Iodine 131, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Lead 210, Dissolved	pCi/L			-0.516667	0.48	0.14	12	0	-1.87	29.67	3.64	8.48
Lead 212, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Lead 214, Dissolved	pCi/L			NM	NM	NM	2	1	<20	350.00	180.00	240.42
Manganese 54, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Polonium 210, Dissolved	pCi/L			0.2009167	0.62	0.02	12	0	0.02	2.36	0.75	0.63
Potassium 40, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Radium 223, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Radium 224, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Radium 226, Dissolved	pCi/L	5		4.7916667	388.17	2.58	12	0	1.18	388.17	67.71	147.81
Radium 226, Dissolved E901.1	pCi/L	5		NM	NM	NM	2	1	<20	300.00	155.00	205.06
Radium 228, Dissolved	pCi/L			NM	NM	NM	2	1	<1	2.30	1.40	1.27
Radium 228, Dissolved E901.1	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Thallium 208, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Thorium 228, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Thorium 230, Dissolved	pCi/L			0.0316667	0.04	0.07	12	0	0.01	0.13	0.07	0.03
Thorium 234, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Uranium 238, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Zinc 65, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Radionuclides, Suspended												
Lead 210, Suspended	pCi/L			0.35	2.38	0.42	12	0	-1.48	11.76	1.96	3.94
Polonium 210, Suspended	pCi/L			0.1448333	1.00	0.03	12	0	0.03	2.18	0.75	0.81
Radium 226, Suspended	pCi/L	5		-0.13875	7.91	0.04	12	0	-0.18	7.91	1.17	2.23
Thorium 230, Suspended	pCi/L			0.06	0.58	-0.07	12	0	-0.07	1.29	0.23	0.37
Radionuclides, Total												
Lead 210, Total	pCi/L			NM	NM	NM	6	6	<1	<1	<1	<1
Polonium 210, Total	pCi/L			NM	NM	NM	6	4	<1	6.40	2.40	2.95
Radium 226, Total	pCi/L	5		NM	NM	NM	6	1	<0.2	15.20	5.33	5.30
Radon 222, Total	pCi/L			1789.1667	33633.33	336.58	12	0	276.83	278029.73	27107.39	79574.79
Thorium 230, Total	pCi/L			NM	NM	NM	6	6	<0.2	<0.2	<0.2	<0.2
Data Quality Parameters												
A/C Balance (± 5)	%			3.0391667	4.21	-0.26	12	0	-1.78	4.21	1.35	1.72
Anions	meq/l			14.091667	31.13	18.33	12	0	12.08	32.13	18.85	7.36
Cations	meq/l			14.958333	33.83	18.23	12	0	12.66	33.83	19.33	7.51
Solids, Total Dissolved Calculated	mg/L			947.83333	2075.83	1216.67	12	0	826.00	2177.50	1254.47	486.32
TDS Balance (0.80 - 1.20)	dec. %			0.9758333	1.05	1.01	12	0	0.94	1.08	1.01	0.05

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Project				Chilson Water Quality									
Hydro ID				2	13	16	42	615	619	622	650	680	689
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	Mean *	Mean*	Mean*	Mean*	Mean*
Field Parameters													
Field Conductivity	umhos/cm			1436.25	1128	958	1331.75	1069	1905.5	1326	1656.25	2580.21	1098.54
Field Dissolved Oxygen	mg/L			1.87	1.515	0.25	3.285	0.27	1.14	0.136	1.885	0.265	0.142
Field pH	s.u.		6.5-8.5	7.96	7.9525	7.41	8	7.10	7.1475	7.64	7.5375	6.91857143	7.7023077
Field Temperature	Deg C			12.586667	9.85	11.95	9.3825	14.81	11.3966667	14.11	12.0075	12.7421429	15.386154
Field Turbidity	NTUs			0.6666667	2.6	0.5	0.4	2.34	11.0666667	19.83	29.3	1.9125	22.916667
Water Level Elevation	ft AMSL			NM	NM	NM	NM	3690.07	3679.16	3709.02	3682.155	3661.27364	3685.339
Physical Properties													
Conductivity @ 25 C	umhos/cm			1580	1292	1063	1408	1054.92	2175	1297.5	1817.5	2621.42857	1072.4615
Non-polar Materials (SGT-HEM)	mg/L			NM	<5	<5	<5	NM	NM	NM	NM	NM	NM
Oxidation-Reduction Potential	mV			173	230	223.3333	203.333333	229.17	31.6	219.167	170	195.714286	218.46154
pH, Laboratory	s.u.		6.5-8.5	7.9025	7.904	7.46	8.022	7.48	7.2825	7.769	7.24	7.34285714	7.93
Sodium Adsorption Ratio (SAR)	unitless			8.6	4.8	0.943333	10.2333333	3.49	1.1	4.708	2.1	1.56428571	5.4461538
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1100	878	814	950	708.33	2025	900	1575	2292.85714	720.76923
Major Ions													
Alkalinity, Total as CaCO3	mg/L			210.5	159.2	152.8	178	138	117.5	175.5	71	249.285714	150
Bicarbonate as HCO3	mg/L			256.75	192.6	187.2	217	168	143	213.92	86.75	303.857143	182.76923
Calcium, Dissolved	mg/L			53	62.02	117.8	34.74	73.29	321.25	81.825	166.5	385.5	46.915385
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	10.25	10.6	5.04	12.4	5	10	10.25	17	12.9285714	5.2307692
Fluoride	mg/L	4	2	0.25	0.446	0.414	0.398	0.53	0.25	0.43	0.075	0.34285714	0.5384615
Magnesium, Dissolved	mg/L			17.25	24	45.78	11.8	21.86	114.1	29.12	79.525	124.142857	15.961538
Nitrogen, Ammonia as N	mg/L			0.2875	0.2	0.12	0.12	<0.1	0.225	0.05	0.5	0.06071429	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	0.08	0.08	0.05	<0.1	0.0525	<0.1	0.05178571	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			11.35	11.06	16.08	7.18	9.11	16.8	10.96	16.45	19.3714286	8.1153846
Silica	mg/L			7.275	6	6.175	6.45	6.8	6.375	5.725	1.2375	7	7.0769231
Silicon as SiO2	mg/L			NM	7	7	7	NM	NM	NM	NM	NM	NM
Sodium, Dissolved	mg/L			283	175.8	47.42	265.6	133	86.6	177.92	122.25	137.5	176.15385
Sulfate, Total	mg/L		250	594.5	481.8	449.6	493.6	396	1290	491.75	986.5	1351.42857	388.76923
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1875	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.000625	<0.01	0.0016	0.0015	0.0155	0.000625	0.0006	0.000875	0.0045	0.0016154
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.0625	<0.1	0.064	0.06	<0.1	<0.1	<0.1	0.075	0.13214286	0.0538462
Cadmium, Dissolved	mg/L	0.005		<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	0.025	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	0.38	3.1475	0.02375	3.51	0.16571429	<0.03
Lead, Dissolved	mg/L			<0.05	<0.01	<0.01	<0.01	<0.001	0.00275	0.0006	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.0825	0.154	0.125	0.078	0.07	1.505	0.18	1.3	0.44928571	0.0392308
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	0.024	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.005	<0.005	0.001	<0.001	<0.005	<0.001	0.001375	0.0009	<0.001
Silver, Dissolved	mg/L		0.1	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.001	0.00113	0.0242	0.0025	0.00165	0.00425	0.0006	0.03441429	0.0035
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.013	0.034	0.017	<0.01	0.06	0.01	0.00875	0.00714286	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	0.00066667	<0.001	<0.001	<0.001	<0.001	0.00060714	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0001875	<0.0003	<0.0003	0.0008375	0.0004	<0.0003	0.0003	0.00125	0.00025714	0.0002962
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	0.002	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.0025	0.00075	0.0025	0.003	0.023	0.002	0.005	0.0015	0.00407692	0.0026154
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.067	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.003
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	0.075	<0.1	0.058	0.1	0.09615385	0.0538462
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	0.0075	<0.01	0.0425	<0.01	<0.01
Iron, Total	mg/L		0.3	1.51	3.835	0.255	0.155	1.3625	12.45	3.823	8.29	0.30538462	0.9784615
Lead, Total	mg/L			<0.001	<0.001	<0.003	<0.001	0.002	0.0035	0.008375	0.026	<0.001	0.0021923
Manganese, Total	mg/L		0.05	0.09	0.18	0.135	0.08	0.069	1.735	0.1925	0.61	0.45923077	0.0630769
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM	NM	NM	<0.0001	<0.0001
Molybdenum, Total	mg/L			<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	0.00125	<0.001	0.00075	<0.001	0.000875	<0.001	<0.005	0.0008462
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02
Strontium, Total	mg/L			1.75	1.6	2.7	0.7	1.375	5.3	1.421	2.35	7.44615385	0.9384615
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0006154
Uranium, Total	mg/L	0.03		0.0002333	<0.0003	0.000425	0.01735	0.0024	0.0018	0.005	0.000275	0.02434615	0.0048462

Dewey-Burdock Project				Chilson Water Quality									
Hydro ID				2	13	16	42	615	619	622	650	680	689
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	Mean *	Mean*	Mean*	Mean*	Mean*
Zinc, Total	mg/L		5	<0.01	0.055	0.0175	0.025	0.0067	0.13	0.063	0.045	0.00961538	0.0130769
Radionuclides, Dissolved													
Actinium 228, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Americium 241, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Barium 133, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Bismuth 212, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Bismuth 214, Dissolved	pCi/L			NM	<20	770	1600	NM	NM	NM	NM	NM	NM
Cesium 134, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Cesium 137, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Cobalt 60, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Gross Alpha, Dissolved	pCi/L	15		6.25	10.42	59.78	478	19.45	386	148.742	5.925	4990.71429	39.007692
Gross Beta, Dissolved	pCi/L			13.525	12	34.72	131.5	9.7	151.5	70.258	16.075	1629.28571	14.546154
Gross Gamma, Dissolved	pCi/L			70	866	1054	15530	351.833	1153.75	112.5	827.5	3543.57143	398.92308
Iodine 125, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Iodine 131, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Lead 210, Dissolved	pCi/L			1.15	2.45	-5.575	13.575	0.692	4.725	-0.167	6.85	19.2928571	-2.038462
Lead 212, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Lead 214, Dissolved	pCi/L			NM	<20	810	1800	NM	NM	NM	NM	NM	NM
Manganese 54, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Polonium 210, Dissolved	pCi/L			1.175	0.9	0.3	2.025	0.259	0.7	0.227	0.3	0.79992857	0.2391538
Potassium 40, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Radium 223, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Radium 224, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Radium 226, Dissolved	pCi/L	5		1.15	1.64	17.92	97.22	2.4	107.425	3.358	1.925	1289.28571	6.1307692
Radium 226, Dissolved E901.1	pCi/L	5		NM	<20	770	1600	NM	NM	NM	NM	NM	NM
Radium 228, Dissolved	pCi/L			NM	<1	<1	<1	NM	NM	NM	NM	NM	NM
Radium 228, Dissolved E901.1	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Thallium 208, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Thorium 228, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Thorium 230, Dissolved	pCi/L			0.075	0.15	0.15	0.2	0.075	0.15	0.041	0.15	0.08507143	0.0460769
Thorium 234, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Uranium 238, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Zinc 65, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			0.725	0.325	0.325	22.125	2.133	3.5	0.675	4.8	4.15	-1.653846
Polonium 210, Suspended	pCi/L			0.375	1.55	0.45	4.1	0.104	0.375	0.942	0.6	1.69714286	0.1843077
Radium 226, Suspended	pCi/L	5		0.65	0.4525	0.325	1.25	-0.122	5.95	0.233	0.345	6.31428571	0.1638462
Thorium 230, Suspended	pCi/L			0.1	0.2	0.075	0.1	0.156	0.125	0.009	0.3	0.08071429	0.1307692
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	<1	<1	57	NM	<1	NM	<1	NM	NM
Polonium 210, Total	pCi/L			<1	5.2	<1	13	NM	<1	NM	<1	NM	NM
Radium 226, Total	pCi/L	5		2.2	1.1	17.4	79.7	NM	120	NM	3.2	NM	NM
Radon 222, Total	pCi/L			731	327.5	17860	180750	1582.5	4780	1063.43	196.666667	105835.714	1900.7692
Thorium 230, Total	pCi/L			<0.2	<0.2	<0.2	<0.2	NM	<0.2	NM	<0.2	NM	NM
Data Quality Parameters													
A/C Balance (± 5)	%			-0.59175	-0.695	-0.4425	2.017	1.33	2.1475	1.24	-1.54	3.53571429	1.0869231
Anions	meq/l			16.9	13.2	11.7	14.025	11.17	28.425	14.06	21.35	33.5	11.284615
Cations	meq/l			16.7	13.05	11.6	14.625	11.47	29.85	14.53	20.875	35.9642857	11.530769
Solids, Total Dissolved Calculated	mg/L			1107.5	856	732.5	932.5	739	1867.5	923.33	1380	2198.57143	751.38462
TDS Balance (0.80 - 1.20)	dec. %			0.9675	1.0275	1.07	1.025	0.96	1.075	0.98	1.115	1.04285714	0.9592308

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Project				Chilson Water Quality					Summary Statistics on Hydro ID Means					
Hydro ID				696	697	705	3026	7002						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			1414.167	1262.92	1345.83	2749.917	2115.25	15	0	958.00	2749.92	1558.47	546.07
Field Dissolved Oxygen	mg/L			0.99	0.218	NM	1.215	1.16	14	0	0.14	3.29	1.02	0.91
Field pH	s.u.		6.5-8.5	7.565455	7.76	8.30667	7.228333	7.3925	15	0	6.92	8.31	7.58	0.39
Field Temperature	Deg C			12.9775	13.9167	14.1833	12.04667	11.6025	15	0	9.38	15.39	12.60	1.71
Field Turbidity	NTUs			5.633333	2.63333	NM	10.56667	1.6	14	0	0.40	29.30	8.00	9.50
Water Level Elevation	ft AMSL			3647.934	3682.12	3709.73	3681.97	NM	10	0	3647.93	3709.73	3682.88	18.75
Physical Properties														
Conductivity @ 25 C	umhos/cm			1370	1228.42	1333.33	2688.333	2327.5	15	0	1054.92	2688.33	1621.96	565.51
Non-polar Materials (SGT-HEM)	mg/L			NM	NM	NM	NM	NM	3	3	<5	<5	<5	<5
Oxidation-Reduction Potential	mV			234.1667	211.667	235.833	164.3	196.667	15	0	31.60	235.83	195.78	51.14
pH, Laboratory	s.u.		6.5-8.5	7.734167	7.98667	8.04917	7.095	7.3575	15	0	7.10	8.05	7.64	0.33
Sodium Adsorption Ratio (SAR)	unitless			3.858333	6.5	3.9	2.225	2.56667	15	0	0.94	10.23	4.13	2.70
Solids, Total Dissolved TDS @ 180 C	mg/L		500	982.5	830	940.833	2358.333	1875	15	0	708.33	2358.33	1263.38	591.04
Major Ions														
Alkalinity, Total as CaCO3	mg/L			201.3333	167	135.5	174.1667	261	15	0	71.00	261.00	169.39	48.47
Bicarbonate as HCO3	mg/L			245.4167	203.5	164.25	210.5833	318.25	15	0	86.75	318.25	206.27	59.13
Calcium, Dissolved	mg/L			97.675	51.9833	84.9417	380.1667	230	15	0	34.74	385.50	145.84	123.46
Carbonate as CO3	mg/L			<5	<5	<5	3.125	<5	15	14	<5	3.125	2.54	0.17
Chloride	mg/L		250	9.166667	8.25	7.51667	17.5	9.75	15	0	5.00	17.50	10.06	3.80
Fluoride	mg/L	4	2	0.325	0.55	0.36667	0.45	0.3	15	0	0.08	0.55	0.38	0.13
Magnesium, Dissolved	mg/L			36.4	17.3333	31.1333	113.5583	88.2	15	0	11.80	124.14	51.34	40.68
Nitrogen, Ammonia as N	mg/L			0.216667	0.16667	0.1875	0.616667	0.25	15	2	<0.1	0.62	0.24	0.17
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.05208	<2	0.0575	<0.1	15	8	<0.1	0.08	0.12	0.24
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	0.15	<0.1	<0.1	15	14	<0.1	0.15	0.06	0.03
Potassium, Dissolved	mg/L			13.4	8.8	11.9667	21.65	21.2	15	0	7.18	21.65	13.57	4.75
Silica	mg/L			6.3875	6.60833	8.64167	5.0875	6.675	15	0	1.24	8.64	6.23	1.59
Silicon as SiO2	mg/L			NM	NM	NM	NM	NM	3	0	7.00	7.00	7.00	0.00
Sodium, Dissolved	mg/L			176.0833	211.833	163.667	188	175.75	15	0	47.42	283.00	168.00	60.29
Sulfate, Total	mg/L		250	513.25	451.333	530.667	1509.167	1075	15	0	388.77	1509.17	733.54	392.36
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	15	14	<0.1	0.1875	0.06	0.04
Arsenic, Dissolved	mg/L	0.01		0.001417	0.00113	0.00063	0.005	0.00088	15	1	<0.01	0.0155	0.003	0.004
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.06667	0.154167	<0.1	15	7	<0.1	0.15	0.07	0.03
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	15	14	<0.01	0.025	0.01	0.01
Iron, Dissolved	mg/L		0.3	0.017917	0.03292	0.01625	6.2175	0.15125	15	5	<0.03	6.2175	0.92	1.86
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	15	13	<0.001	0.00275	0.003	0.004
Manganese, Dissolved	mg/L		0.05	0.1475	0.05417	0.03708	1.0275	0.3875	15	0	0.04	1.51	0.38	0.49
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	0.066667	<0.1	15	14	<0.001	0.0667	0.05	0.01
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	15	14	<0.05	0.024	0.03	0.0065
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	0.001	0.000958	0.001	15	9	<0.001	0.001375	0.001	0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.000558	<0.0003	0.0002	0.010475	0.0006	15	3	<0.0003	0.034	0.006	0.01
Vanadium, Dissolved	mg/L			0.054167	<0.1	<0.1	0.05417	<0.1	15	13	<0.1	0.05	0.05	0.013
Zinc, Dissolved	mg/L		5	<0.01	0.00542	0.00542	0.008333	<0.01	15	5	<0.01	0.06	0.01	0.02
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	0.000542	<0.001	15	14	<0.001	0.0005	0.0005	0.00001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	0.00063	0.000958	<0.001	15	11	<0.001	0.0010	0.0006	0.0001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		<0.0009	0.00026	0.00026	0.0014	<0.0003	15	5	<0.0003	0.0014	0.0004	0.0004
Metals, Total														
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	15	14	<0.003	0.002	0.0015	0.00003
Arsenic, Total	mg/L	0.01		0.002583	0.00167	0.00171	0.018417	0.0025	15	0	0.001	0.02	0.005	0.01
Barium, Total	mg/L	2		<0.1	0.0625	<0.1	<0.1	<0.1	15	13	<0.1	0.067	0.05	0.01
Beryllium, Total	mg/L	0.004		<0.003	<0.003	<0.001	0.000542	<0.001	15	14	<0.001	0.0005	0.0041	0.0127
Boron, Total	mg/L			0.058333	<0.2	0.0625	0.166667	<0.1	15	7	<0.001	0.1667	0.07	0.03
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	0.005417	<0.01	15	12	<0.01	0.0425	0.008	0.01
Iron, Total	mg/L		0.3	0.160833	0.08	0.21042	15.3025	1.285	15	0	0.08	15.30	3.33	4.84
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	15	10	<0.001	0.026	0.0032	0.0066
Manganese, Total	mg/L		0.05	0.160833	0.055	0.03958	1.079167	0.385	15	0	0.04	1.74	0.36	0.47
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	NM	3	3	<0.0001	<0.0001	<0.0001	<0.0001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	0.075	<0.1	15	14	<0.01	0.075	0.05	0.01
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.000917	0.00113	0.00054	0.001917	<0.001	15	7	<0.001	0.0019	0.001	0.00
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			2.766667	1.15	2.64167	6.35	7.15	15	0	0.70	7.45	3.04	2.33
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	15	14	<0.001	0.000615	0.00051	0.00003
Uranium, Total	mg/L	0.03		0.000558	0.00016	0.00016	0.011583	0.00055	15	1	<0.0003	0.02	0.0046	0.01

Dewey-Burdock Project				Chilson Water Quality					Summary Statistics on Hydro ID Means					
Hydro ID				696	697	705	3026	7002						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	0.006667	0.00875	<0.01	0.009583	<0.01	15	3	<0.01	0.13	0.03	0.03
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Americium 241, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Barium 133, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Bismuth 212, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Bismuth 214, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	1	<20	1600.00	793.33	795.26
Cesium 134, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Cesium 137, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Cobalt 60, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Gross Alpha, Dissolved	pCi/L	15		13.25833	9.71667	3.55833	54	51.575	15	0	3.56	4990.71	418.43	1273.13
Gross Beta, Dissolved	pCi/L			11.41667	7.76667	11.575	22.675	33.4	15	0	7.77	1629.29	144.66	413.17
Gross Gamma, Dissolved	pCi/L			387.5	464.167	595.833	386.6667	792.5	15	0	70.00	15530.00	1768.98	3895.73
Iodine 125, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Iodine 131, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Lead 210, Dissolved	pCi/L			-0.96667	-2.7583	0.29417	-0.116667	3.35	15	0	-5.58	19.29	2.72	6.43
Lead 212, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Lead 214, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	1	<20	1800.00	873.33	896.68
Manganese 54, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Polonium 210, Dissolved	pCi/L			0.376167	0.06725	0.02367	0.149417	1.5	15	0	0.02	2.03	0.60	0.58
Potassium 40, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Radium 223, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Radium 224, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Radium 226, Dissolved	pCi/L	5		2.016667	1.51667	1.7	5.6	8.35	15	0	1.15	1289.29	103.18	329.94
Radium 226, Dissolved E901.1	pCi/L	5		NM	NM	NM	NM	NM	3	1	<0	1600.00	1185.00	586.90
Radium 228, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<1	<1	<1	<1
Radium 228, Dissolved E901.1	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Thallium 208, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Thorium 228, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Thorium 230, Dissolved	pCi/L			0.045833	0.0475	0.131	0.0475	0.1	15	0	0.04	0.20	0.10	0.05
Thorium 234, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Uranium 238, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Zinc 65, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			-0.59167	-0.5167	0.4925	-1.325	1.95	15	0	-1.65	22.13	2.47	5.76
Polonium 210, Suspended	pCi/L			0.158	0.21618	0.02091	0.197917	0.425	15	0	0.02	4.10	0.76	1.05
Radium 226, Suspended	pCi/L	5		-0.15333	0.23167	-0.02	0.483333	0.1625	15	0	-0.15	6.31	1.08	2.08
Thorium 230, Suspended	pCi/L			0.025833	0.02083	-0.1375	0.144167	0.075	15	0	-0.14	0.30	0.09	0.10
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	NM	NM	NM	<1	7	6	<1	57.00	9.92	23.07
Polonium 210, Total	pCi/L			NM	NM	NM	NM	<1	7	5	<1	13.00	2.96	4.76
Radium 226, Total	pCi/L	5		NM	NM	NM	NM	6.3	7	0	1.10	120.00	32.84	47.54
Radon 222, Total	pCi/L			339	335.917	223.833	462.75	986.667	15	0	196.67	180750.00	21158.38	51760.32
Thorium 230, Total	pCi/L			NM	NM	NM	NM	<0.2	7	7	<0.2	<0.2	<0.2	<0.2
Data Quality Parameters														
A/C Balance (± 5)	%			2.93	1.85667	0.9625	2.659167	-0.06	15	0	-1.54	3.54	1.10	1.49
Anions	meq/l			14.99167	12.9917	13.9917	35.41667	26.925	15	0	11.17	35.42	18.66	8.34
Cations	meq/l			15.89167	13.4667	14.225	37.375	27	15	0	11.47	37.38	19.21	8.95
Solids, Total Dissolved Calculated	mg/L			984.3333	868.583	961.583	2347.5	1725	15	0	732.50	2347.50	1225.02	546.33
TDS Balance (0.80 - 1.20)	dec. %			0.995	0.95667	1.00167	1	1.095	15	0	0.96	1.12	1.02	0.05

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

Dewey-Burdock Project				Unkpapa Water Quality				Summary Statistics on Hydro ID Means					
Hydro ID				690	693	703	704						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			2112	2083	2500	2100	4	0	2083.00	2500.00	2198.75	201.19
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.36	9.2	11.13	9.37	4	0	9.20	11.13	9.77	0.91
Field Temperature	Deg C			14.12	14.5	11.9	20.1	4	0	11.90	20.10	15.16	3.49
Field Turbidity	NTUs			13.2	9.2	NM	NM	2	0	9.20	13.20	11.20	2.83
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			2000	1650	2420	1570	4	0	1570.00	2420.00	1910.00	387.90
Oxidation-Reduction Potential	mV			220	210	88	160	4	0	88.00	220.00	169.50	60.34
pH, Laboratory	s.u.		6.5-8.5	9.27	9	11.4	9.46	4	0	9.00	11.40	9.78	1.09
Sodium Adsorption Ratio (SAR)	unitless			10	9.1	12	17	4	0	9.10	17.00	12.03	3.53
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1400	1400	1400	1300	4	0	1300.00	1400.00	1375.00	50.00
Major Ions													
Alkalinity, Total as CaCO3	mg/L			38	68	148	74	4	0	38.00	148.00	82.00	46.73
Bicarbonate as HCO3	mg/L			32	68	180	66	4	0	32.00	180.00	86.50	64.49
Calcium, Dissolved	mg/L			42.1	73.7	72.6	23	4	0	23.00	73.70	52.85	24.71
Carbonate as CO3	mg/L			7	7	<5	12	4	1	<5	12.00	7.13	3.88
Chloride	mg/L		250	30	38	16	70	4	0	16.00	70.00	38.50	22.88
Fluoride	mg/L	4	2	0.5	0.6	0.3	0.8	4	0	0.30	0.80	0.55	0.21
Magnesium, Dissolved	mg/L			25.4	35.2	<0.5	14.8	4	1	<0.5	35.20	18.91	14.97
Nitrogen, Ammonia as N	mg/L			0.3	0.3	1.6	0.5	4	0	0.30	1.60	0.68	0.62
Nitrogen, Nitrate as N	mg/L	10		0.2	<0.1	<0.1	<0.1	4	3	<0.1	0.20	0.09	0.08
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			14	8.6	9.3	6.8	4	0	6.80	14.00	9.68	3.07
Silica	mg/L			<0.5	5	4.2	<0.2	4	2	<0.2	5.00	2.39	2.58
Sodium, Dissolved	mg/L			342	380	370	437	4	0	342.00	437.00	382.25	39.89
Sulfate, Total	mg/L		250	807	886	828	872	4	0	807.00	886.00	848.25	36.97
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.7	1	0.3	0.9	4	0	0.30	1.00	0.73	0.31
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.06	0.05	<0.03	4	2	<0.03	0.06	0.04	0.02
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	0.0003	<0.0003	4	3	<0.0003	0.0003	0.0002	0.0001
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	0.03	<0.01	4	3	<0.01	0.03	0.01	0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	4	4	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			0.7	1.1	0.4	0.9	4	0	0.40	1.10	0.78	0.30
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.48	1.4	0.68	0.87	4	0	0.68	1.48	1.11	0.39
Lead, Total	mg/L			0.019	<0.003	0.007	<0.001	4	2	<0.001	0.02	0.0070	0.0085
Manganese, Total	mg/L		0.05	0.02	0.01	<0.01	0.04	4	1	<0.01	0.04	0.02	0.02
Mercury, Total	mg/L	0.002		<0.0002	<0.0002	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		<0.0001	<0.0001	NM	NM	2	2	<0.0001	<0.0001	<0.0001	<0.0001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	0.005	<0.001	<0.001	4	3	<0.001	0.0050	0.002	0.002
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.6	2.1	2.2	2.5	4	0	2.10	2.60	2.35	0.24
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	0.2	<0.01	<0.01	<0.01	4	3	<0.01	0.20	0.05	0.10

Dewey-Burdock Project				Unkpapa Water Quality				Summary Statistics on Hydro ID Means					
Hydro ID				690	693	703	704						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		4.8	2.8	42.6	-3	4	0	-3.00	42.60	11.80	20.80
Gross Beta, Dissolved	pCi/L			6.1	2.7	14.2	-5	4	0	-5.00	14.20	4.50	7.96
Gross Gamma, Dissolved	pCi/L			1100	0	1100	830	4	0	0.00	1100.00	757.50	520.79
Lead 210, Dissolved	pCi/L			1.8	1.3	1	1.1	4	0	1.00	1.80	1.30	0.36
Polonium 210, Dissolved	pCi/L			0.7	0.3	-0.015	0.3	4	0	-0.02	0.70	0.32	0.29
Radium 226, Dissolved	pCi/L	5		0.2	0.6	0.4	0.04	4	0	0.04	0.60	0.31	0.24
Thorium 230, Dissolved	pCi/L			0	0	0.1	0	4	0	0.00	0.10	0.03	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-5.7	-1.3	1.1	-3	4	0	-5.70	1.10	-2.23	2.86
Polonium 210, Suspended	pCi/L			0.1	0	0.047	-0.015	4	0	-0.02	0.10	0.03	0.05
Radium 226, Suspended	pCi/L	5		-0.3	0.2	-0.4	-0.2	4	0	-0.40	0.20	-0.18	0.26
Thorium 230, Suspended	pCi/L			0	0	-0.2	0.3	4	0	-0.20	0.30	0.03	0.21
Radionuclides, Total													
Radon 222, Total	pCi/L			194	424	153	188	4	0	153.00	424.00	239.75	124.16
Data Quality Parameters													
A/C Balance (± 5)	%			2.66	5.4	-1.35	-0.14	4	0	-1.35	5.40	1.64	3.02
Anions	meq/l			18.4	20.9	20.7	21.6	4	0	18.40	21.60	20.40	1.39
Cations	meq/l			19.4	23.3	20.1	21.6	4	0	19.40	23.30	21.10	1.73
Solids, Total Dissolved Calculated	mg/L			1280	1480	1400	1470	4	0	1280.00	1480.00	1407.50	92.15
TDS Balance (0.80 - 1.20)	dec. %			1.09	0.9	1.01	0.9	4	0	0.90	1.09	0.98	0.09

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				2	2	2	2	Summary Statistics for Hydro ID 2					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 12:46:00 PM	11/12/2007 9:25:00 AM	2/12/2008 10:21:00 AM	5/30/2008 3:21:00 PM						
Lab ID				R07090384 -002	R07110146 -003	R08020130 -001	R08050427 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1070	1541	1579	1555	4	0	1070	1579	1436.25	244.67036
Field Dissolved Oxygen	mg/L			NM	1.87	NM	NM	1	0	1.87	1.87	1.87	---
Field pH	s.u.		6.5-8.5	7.86	8.2	7.83	7.95	4	0	7.83	8.2	7.96	0.1679286
Field Temperature	Deg C			NM	12.38	11.92	13.46	3	0	11.92	13.46	12.586667	0.7905273
Field Turbidity	NTUs			NM	1.6	0	0.4	3	0	0	1.6	0.6666667	0.8326664
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			1570	1500	1580	1670	4	0	1500	1670	1580	69.761498
Oxidation-Reduction Potential	mV			NM	140	190	190	3	0	140	190	173	28.867513
pH, Laboratory	s.u.		6.5-8.5	7.91	7.85	7.93	7.92	4	0	7.85	7.93	7.9025	0.0359398
Sodium Adsorption Ratio (SAR)	unitless			NM	8.8	8.3	8.7	3	0	8.3	8.8	8.6	0.2645751
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1100 h	1100	1100	1100	4	0	1100	1100	1100	0
Major Ions													
Alkalinity, Total as CaCO3	mg/L			214	208	208	212	4	0	208	214	210.5	3
Bicarbonate as HCO3	mg/L			261	254	254	258	4	0	254	261	256.75	3.4034296
Calcium, Dissolved	mg/L			48.5	51.7	54	57.8	4	0	48.5	57.8	53	3.9149287
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	10	11	11	9	4	0	9	11	10.25	0.9574271
Fluoride	mg/L	4	2	0.2	0.2	0.3	0.3	4	0	0.2	0.3	0.25	0.057735
Magnesium, Dissolved	mg/L			15.8	16.6	17.6	19	4	0	15.8	19	17.25	1.3796135
Nitrogen, Ammonia as N	mg/L			<0.1	0.4	0.4	0.3	4	1	<0.1	0.4	0.2875	0.1652019
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			11.5	11.4	11.5	11	4	0	11	11.5	11.35	0.2380476
Silica	mg/L			8	8.1	8.7	4.3	4	0	4.3	8.7	7.275	2.0072784
Sodium, Dissolved	mg/L			273 d	286 d	276 d	297 d	4	0	273	297	283	10.86278
Sulfate, Total	mg/L		250	583 d	577 d	639	579 d	4	0	577	639	594.5	29.771351
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	<0.001	<0.001	4	3	<0.001	0.001	0.000625	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	4	3	<0.1	0.1	0.0625	0.025
Cadmium, Dissolved	mg/L	0.005		<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.05	<0.001	<0.001	<0.001	4	4	<0.001	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L		0.05	0.08	0.08	0.09	0.08	4	0	0.08	0.09	0.0825	0.005
Mercury, Dissolved	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.001	<0.005	<0.005	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0003	<0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0003	0.0001875	0.000075
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.004 d	2	0	0.001	0.004	0.0025	0.0021213
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	1.48	1.54	2	0	1.48	1.54	1.51	0.0424264
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.09	0.09	2	0	0.09	0.09	0.09	0
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	1.7	1.8	2	0	1.7	1.8	1.75	0.0707107
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0004	NM	<0.0003	<0.0003	3	2	<0.0003	0.0004	0.0002333	0.0001443

Dewey-Burdock Hydro ID				2	2	2	2	Summary Statistics for Hydro ID 2					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 12:46:00 PM	11/12/2007 9:25:00 AM	2/12/2008 10:21:00 AM	5/30/2008 3:21:00 PM						
Lab ID				R07090384 -002	R07110146 -003	R08020130 -001	R08050427 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		1.4	8.7	6.7	8.2	4	0	1.4	8.7	6.25	3.3431522
Gross Beta, Dissolved	pCi/L			9.3	12.4	22.1	10.3	4	0	9.3	22.1	13.525	5.8608162
Gross Gamma, Dissolved	pCi/L			<20	260	<20	0 j	4	2	<20	260	70	126.75436
Lead 210, Dissolved	pCi/L			<1	<1	<1	3.1 j	4	3	<1	3.1	1.15	1.3
Polonium 210, Dissolved	pCi/L			<1	2	2.1	0.1 j	4	1	<1	2.1	1.175	1.0242884
Radium 226, Dissolved	pCi/L	5		<0.2	1.3	1.1	2.1	4	1	<0.2	2.1	1.15	0.8225975
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	<1	1.4 j	4	3	<1	1.4	0.725	0.45
Polonium 210, Suspended	pCi/L			<1	<1	<1	0 j	4	3	<1	0	0.375	0.25
Radium 226, Suspended	pCi/L	5		2.2	<0.2	<0.2	0.2 j	4	2	<0.2	2.2	0.65	1.034408
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		2.2	NM	NM	NM	1	0	2.2	2.2	2.2	---
Radon 222, Total	pCi/L			NM	674	792 h	727	3	0	674	792	731	59.101607
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-2.46	0.663	-3.82	3.25	4	0	-3.82	3.25	-0.59175	3.1751849
Anions	meq/l			16.7	16.5	17.8	16.6	4	0	16.5	17.8	16.9	0.6055301
Cations	meq/l			15.9	16.7	16.5	17.7	4	0	15.9	17.7	16.7	0.7483315
Solids, Total Dissolved Calculated	mg/L			1070	1090	1160	1110	4	0	1070	1160	1107.5	38.622101
TDS Balance (0.80 - 1.20)	dec. %			1	0.97	0.94	0.96	4	0	0.94	1	0.9675	0.025

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				4	Summary Statistics for Hydro ID 4					
Month Sampled				Feb-08						
Date and Time Collected				2/12/2008 9:52:00 AM						
Lab ID				R08020130 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			4413	1	0	4413	4413	4413	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.9	1	0	7.9	7.9	7.9	---
Field Temperature	Deg C			13.66	1	0	13.66	13.66	13.66	---
Field Turbidity	NTUs			0.8	1	0	0.8	0.8	0.8	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			4400	1	0	4400	4400	4400	---
Oxidation-Reduction Potential	mV			120	1	0	120	120	120	---
pH, Laboratory	s.u.		6.5-8.5	7.94	1	0	7.94	7.94	7.94	---
Sodium Adsorption Ratio (SAR)	unitless			10	1	0	10	10	10	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	3700	1	0	3700	3700	3700	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			88	1	0	88	88	88	---
Bicarbonate as HCO3	mg/L			107	1	0	107	107	107	---
Calcium, Dissolved	mg/L			241	1	0	241	241	241	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	26	1	0	26	26	26	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			87	1	0	87	87	87	---
Nitrogen, Ammonia as N	mg/L			0.8	1	0	0.8	0.8	0.8	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			7.8	1	0	7.8	7.8	7.8	---
Silica	mg/L			10.2	1	0	10.2	10.2	10.2	---
Sodium, Dissolved	mg/L			716 d	1	0	716	716	716	---
Sulfate, Total	mg/L		250	2440 d	1	0	2440	2440	2440	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.7	1	0	0.7	0.7	0.7	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.07	1	0	0.07	0.07	0.07	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0004	1	0	0.0004	0.0004	0.0004	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			0.001	1	0	0.001	0.001	0.001	---
Selenium-VI, Dissolved	mg/L			0.001	1	0	0.001	0.001	0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.6	1	0	0.6	0.6	0.6	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.32	1	0	1.32	1.32	1.32	---
Lead, Total	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Total	mg/L		0.05	0.06	1	0	0.06	0.06	0.06	---
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Total	mg/L			0.02	1	0	0.02	0.02	0.02	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.002	1	0	0.002	0.002	0.002	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			5.7	1	0	5.7	5.7	5.7	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Uranium, Total	mg/L	0.03		<0.0005	1	1	<0.0005	<0.0005	<0.0005	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				4	Summary Statistics for Hydro ID 4					
Month Sampled				Feb-08						
Date and Time Collected				2/12/2008 9:52:00 AM						
Lab ID				R08020130 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		3.5	1	0	3.5	3.5	3.5	---
Gross Beta, Dissolved	pCi/L			14.4	1	0	14.4	14.4	14.4	---
Gross Gamma, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			<1	1	1	<1	<1	<1	---
Polonium 210, Dissolved	pCi/L			2.7	1	0	2.7	2.7	2.7	---
Radium 226, Dissolved	pCi/L	5		1.1	1	0	1.1	1.1	1.1	---
Thorium 230, Dissolved	pCi/L			<0.2	1	1	<0.2	<0.2	<0.2	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			<1	1	1	<1	<1	<1	---
Polonium 210, Suspended	pCi/L			<1	1	1	<1	<1	<1	---
Radium 226, Suspended	pCi/L	5		0.7	1	0	0.7	0.7	0.7	---
Thorium 230, Suspended	pCi/L			<0.2	1	1	<0.2	<0.2	<0.2	---
Radionuclides, Total										
Radon 222, Total	pCi/L			908 h	1	0	908	908	908	---
Data Quality Parameters										
A/C Balance (± 5)	%			-2.6	1	0	-2.6	-2.6	-2.6	---
Anions	meq/l			53.3	1	0	53.3	53.3	53.3	---
Cations	meq/l			50.6	1	0	50.6	50.6	50.6	---
Solids, Total Dissolved Calculated	mg/L			3600	1	0	3600	3600	3600	---
TDS Balance (0.80 - 1.20)	dec. %			1.02	1	0	1.02	1.02	1.02	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				5	5	5	5	Summary Statistics for Hydro ID 5					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 6:08:00 PM	11/27/2007 8:25:00 AM	2/10/2008 2:55:00 PM	4/29/2008 7:00:00 PM						
Lab ID				R07090384 -005	R07110303 -001	R08020082 -001	R08040364 -007						
Analyte	Units	Federal MCL	Secondary Standard	Results	Results	Results	Results	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1904	2687	2928	2971	4	0	1904	2971	2622.5	495.03704
Field Dissolved Oxygen	mg/L			0.32	0.76	4.59	2.31	4	0	0.32	4.59	1.995	1.9290844
Field pH	s.u.		6.5-8.5	7.63	7.92	7.95	7.83	4	0	7.63	7.95	7.8325	0.1443087
Field Temperature	Deg C			NM	10.37	9.41	13.94	3	0	9.41	13.94	11.24	2.3870274
Field Turbidity	NTUs			NM	1.7	0.3	1	3	0	0.3	1.7	1	0.7
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			2890	2830	2950	2810	4	0	2810	2950	2870	63.245553
Oxidation-Reduction Potential	mV			NM	270	129.4	180	3	0	129.4	270	193.13333	71.214137
pH, Laboratory	s.u.		6.5-8.5	7.72	7.64	7.91	8.2	4	0	7.64	8.2	7.8675	0.2489143
Sodium Adsorption Ratio (SAR)	unitless			NM	9.3	9.6	10	3	0	9.3	10	9.6333333	0.3511885
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2200	2300	2300	2200	4	0	2200	2300	2250	57.735027
Major Ions													
Alkalinity, Total as CaCO3	mg/L			124	118	120	118	4	0	118	124	120	2.8284271
Bicarbonate as HCO3	mg/L			151	144	146	144	4	0	144	151	146.25	3.3040379
Calcium, Dissolved	mg/L			110	120	132	136	4	0	110	136	124.5	11.818065
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	24	23	26	20	4	0	20	26	23.25	2.5
Fluoride	mg/L	4	2	0.3	0.3	0.4	0.4	4	0	0.3	0.4	0.35	0.057735
Magnesium, Dissolved	mg/L			44.3	49	52.3	54.1	4	0	44.3	54.1	49.925	4.3037774
Nitrogen, Ammonia as N	mg/L			0.1	0.4	0.5	0.5	4	0	0.1	0.5	0.375	0.1892969
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.8	8.3	8.2	7.3	4	0	7.3	8.3	7.9	0.4546061
Silica	mg/L			8.6	9	10	4.9	4	0	4.9	10	8.125	2.2291628
Sodium, Dissolved	mg/L			470 d	480 d	515 d	545 d	4	0	470	545	502.5	34.278273
Sulfate, Total	mg/L		250	1500 d	1370 d	1470 d	1430	4	0	1370	1500	1442.5	56.199051
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	0.4	0.5	0.4	4	0	0.4	0.5	0.425	0.05
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	0.003	<0.001	<0.001	4	3	<0.001	0.003	0.001125	0.00125
Manganese, Dissolved	mg/L		0.05	0.06	0.07	0.06	0.06	4	0	0.06	0.07	0.0625	0.005
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.001	<0.001	<0.001	<0.001	4	3	<0.001	0.001	0.000625	0.00025
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.002	0.002	0.0021	0.0017	4	0	0.0017	0.0021	0.00195	0.0001732
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.02	<0.01	<0.01	4	3	<0.01	0.02	0.00875	0.0075
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	0.001	<0.001	<0.001	3	2	<0.001	0.001	0.0006667	0.0002887
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	<0.001	0.001	2	1	<0.001	0.001	0.00075	0.0003536
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	0.5	0.4	2	0	0.4	0.5	0.45	0.0707107
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	1.11	1.08	2	0	1.08	1.11	1.095	0.0212132
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.06	0.05	2	0	0.05	0.06	0.055	0.0070711
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			NM	NM	0.01	<0.1	2	1	<0.1	0.01	0.03	0.0282843
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	0.001	2	1	<0.001	0.001	0.00075	0.0003536
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	4.2	4.6	2	0	4.2	4.6	4.4	0.2828427
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				5	5	5	5	Summary Statistics for Hydro ID 5					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 6:08:00 PM	11/27/2007 8:25:00 AM	2/10/2008 2:55:00 PM	4/29/2008 7:00:00 PM						
Lab ID				R07090384 -005	R07110303 -001	R08020082 -001	R08040364 -007						
Analyte	Units	Federal MCL	Secondary Standard	Results	Results	Results	Results	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.002	NM	0.0021	0.0017	3	0	0.0017	0.0021	0.0019333	0.0002082
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		2.5	4.4	14.8	13.2	4	0	2.5	14.8	8.725	6.1748819
Gross Beta, Dissolved	pCi/L			4.3	6.3	10	-8 j	4	0	-8	10	3.15	7.7993589
Gross Gamma, Dissolved	pCi/L			960	1000	91	0 j	4	0	0	1000	512.75	541.05784
Lead 210, Dissolved	pCi/L			<1	1.7	<1	0 j	4	2	<1	1.7	0.675	0.7228416
Polonium 210, Dissolved	pCi/L			<1	1.9	<1	1.1	4	2	<1	1.9	1	0.663325
Radium 226, Dissolved	pCi/L	5		1.6	0.8	1.3	1.3	4	0	0.8	1.6	1.25	0.3316625
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0.2	4	3	<0.2	0.2	0.125	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	5.1	<1	-9.6 j	4	2	<1	5.1	-0.875	6.2077237
Polonium 210, Suspended	pCi/L			<1	<1	<1	0 j	4	3	<1	0	0.375	0.25
Radium 226, Suspended	pCi/L	5		0.8	<0.2	0.6	0.3	4	1	<0.2	0.8	0.45	0.3109126
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		2.4	NM	NM	NM	1	0	2.4	2.4	2.4	---
Radon 222, Total	pCi/L			NM	902	806	1070	3	0	806	1070	926	133.62634
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-1.14	-0.831	-0.25	3.52	4	0	-1.14	3.52	0.32475	2.1618827
Anions	meq/l			30.4	31.6	33.7	32.8	4	0	30.4	33.7	32.125	1.4361407
Cations	meq/l			29.8	31.1	33.5	35.2	4	0	29.8	35.2	32.4	2.4152295
Solids, Total Dissolved Calculated	mg/L			2040	2120	2270	2280	4	0	2040	2280	2177.5	117.29592
TDS Balance (0.80 - 1.20)	dec. %			1.09	1.08	1.03	0.98	4	0	0.98	1.09	1.045	0.0506623

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				7	7	7	7	7	Summary Statistics for Hydro ID 7					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 11:12:00 AM	9/28/2007 5:28:00 PM	11/12/2007 8:20:00 AM	2/20/2008 8:45:00 AM	5/29/2008 11:10:00 AM						
Lab ID				R06100076 -004	R07100002 -009	R07110146 -002	R08020220 -002	R08050419 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	1185	1490	1451	1496	4	0	1185	1496	1405.5	148.3476
Field Dissolved Oxygen	mg/L			NM	NM	3.41	5.02	NM	2	0	3.41	5.02	4.215	1.138442
Field pH	s.u.		6.5-8.5	NM	7.39	8.32	8.05	8.07	4	0	7.39	8.32	7.9575	0.397775
Field Temperature	Deg C			9	13.11	13.31	6.78	13.3	5	0	6.78	13.31	11.1	3.034658
Field Turbidity	NTUs			NM	NM	0.7	0.5	0.1	3	0	0.1	0.7	0.43	0.305505
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1530	1490	1440	1600	1650	5	0	1440	1650	1542	84.08329
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	210	180	210	3	0	180	210	200	17.32051
pH, Laboratory	s.u.		6.5-8.5	8.08	8.13	8.05	8.14	8.17	5	0	8.05	8.17	8.114	0.04827
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	10	10	9.7	3	0	9.7	10	9.9	0.173205
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1000	1000	1000	990	960	5	0	960	1000	990	17.32051
Major Ions														
Alkalinity, Total as CaCO3	mg/L			170	176	170	170	170	5	0	170	176	171.2	2.683282
Bicarbonate as HCO3	mg/L			210	215	207	207	207	5	0	207	215	209.2	3.49285
Calcium, Dissolved	mg/L			37	30 d	36	32.9	42.1	5	0	30	42.1	35.6	4.555766
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	13	12	12	11	11	5	0	11	13	11.8	0.83666
Fluoride	mg/L	4	2	0.37	0.3	0.4	0.3	0.4	5	0	0.3	0.4	0.354	0.050794
Magnesium, Dissolved	mg/L			16	11.5	15.3	14	18.2	5	0	11.5	18.2	15	2.478911
Nitrogen, Ammonia as N	mg/L			0.4	0.3	0.4	0.3	0.3	5	0	0.3	0.4	0.34	0.054772
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	0.1	<0.1	<0.1	5	4	<0.1	0.1	0.06	0.022361
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			10	11	11.1	10.8	11	5	0	10	11.1	10.78	0.449444
Silica	mg/L			NM	7.5	7.8	7.5	4.1	4	0	4.1	7.8	6.725	1.755705
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			270	237 d	289 d	276 d	300 d	5	0	237	300	274.4	23.92279
Sulfate, Total	mg/L		250	546 d	586 d	567 d	583 d	514 d	5	0	514	586	559.2	29.8446
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Manganese, Dissolved	mg/L		0.05	0.03	0.03	0.03	0.03	0.03	5	0	0.03	0.03	0.03	0
Mercury, Dissolved	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			NM	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.001	<0.0003	<0.0003	<0.0003	<0.0003	5	5	<0.0003	<0.001	<0.001	<0.001
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	<0.001	0.003 d	2	1	<0.001	0.003	0.00175	0.001768
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	0.41	0.41	2	0	0.41	0.41	0.41	0
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	NM	0.03	0.03	2	0	0.03	0.03	0.03	0
Mercury, Total	mg/L	0.002		<0.001	<0.0002	<0.001	<0.001	<0.0001	5	5	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	1	1.1	2	0	1	1.1	1.05	0.070711
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	NM	<0.0003	<0.0003	2	2	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			300	NM	NM	NM	NM	1	0	300	300	300	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		17	4.4	7.2	15.5	3.3 j	5	0	3.3	17	9.48	6.363725
Gross Beta, Dissolved	pCi/L			16	5	14.9	10.1	9.6	5	0	5	16	11.12	4.441509
Gross Gamma, Dissolved	pCi/L			<20	1200	130	77	0 j	5	1	<20	1200	283.4	515.1095
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	<1	24	0.5 j	4	2	<1	24	6.375	11.75
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			350	NM	NM	NM	NM	1	0	350	350	350	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	2.1	<1	0 j	4	2	<1	2.1	0.775	0.914239
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 226, Dissolved	pCi/L	5		2.6	0.6	1.1	0.7	0.9	5	0	0.6	2.6	1.18	0.816701
Radium 226, Dissolved E901.1	pCi/L	5		300	NM	NM	NM	NM	1	0	300	300	300	---

Dewey-Burdock Hydro ID				7	7	7	7	7	Summary Statistics for Hydro ID 7					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 11:12:00 AM	9/28/2007 5:28:00 PM	11/12/2007 8:20:00 AM	2/20/2008 8:45:00 AM	5/29/2008 11:10:00 AM						
Lab ID				R06100076 -004	R07100002 -009	R07110146 -002	R08020220 -002	R08050419 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 228, Dissolved	pCi/L			<1	NM	NM	NM	NM	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NN	NN	NN	NN	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	<1	<1	<1	-7.4 j	4	3	<1	-7.4 j	-1.475	3.95
Polonium 210, Suspended	pCi/L			NM	<1	<1	<1	-0.1 j	4	3	<1	-0.1 j	0.35	0.3
Radium 226, Suspended	pCi/L	5		NM	<0.2	<0.2	<0.9	-0.3 j	4	3	<0.2	-0.3 j	0.0875	0.306526
Thorium 230, Suspended	pCi/L			NM	<0.2	<0.2	0.2	0.2 j	4	2	<0.2	0.2	0.15	0.057735
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Radon 222, Total	pCi/L			NM	NM	206	242	451	3	0	206	451	300	132.2888
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	-3.73	1.13	-2.5	8.11	4	0	-3.73	8.11	0.7525	5.321243
Anions	meq/l			NM	14.1	15.6	15.9	14.4	4	0	14.1	15.9	15	0.883176
Cations	meq/l			NM	13	15.9	15.1	17	4	0	13	17	15.25	1.690168
Solids, Total Dissolved Calculated	mg/L			NM	896	1040	1050	1010	4	0	896	1050	999	70.73896
TDS Balance (0.80 - 1.20)	dec. %			NM	1.16	0.98	0.94	0.95	4	0	0.94	1.16	1.0075	0.103078

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				8	8	8	8	Summary Statistics for Hydro ID 8					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 2:33:00 PM	11/27/2007 4:30:00 PM	2/5/2008 10:20:00 AM	5/29/2008 11:41:00 AM						
Lab ID				R07090384 -003	R07110303 -005	R08020052 -001	R08050419 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			908	1402	1367	1389	4	0	908	1402	1266.5	239.43614
Field Dissolved Oxygen	mg/L			NM	NM	5.42	NM	1	0	5.42	5.42	5.42	---
Field pH	s.u.		6.5-8.5	7.8	7.88	7.89	7.98	4	0	7.8	7.98	7.8875	0.0736546
Field Temperature	Deg C			NM	9.99	10.87	14.98	3	0	9.99	14.98	11.946667	2.6635377
Field Turbidity	NTUs			NM	NM	0.6	-0.4	2	0	-0.4	0.6	0.1	0.7071068
Water Level Elevation	ft AMSL			3574.61	NM	NM	NM	1	0	3574.61	3574.61	3574.61	---
Physical Properties													
Conductivity @ 25 C	umhos/cm			1420	1420	1430	1560	4	0	1420	1560	1457.5	68.495742
Oxidation-Reduction Potential	mV			NM	150	220	210	3	0	150	220	193.33333	37.859389
pH, Laboratory	s.u.		6.5-8.5	7.93	7.95	7.94	7.97	4	0	7.93	7.97	7.9475	0.0170783
Sodium Adsorption Ratio (SAR)	unitless			NM	5.6	6.4	6.5	3	0	5.6	6.5	6.1666667	0.4932883
Solids, Total Dissolved TDS @ 180 C	mg/L		500	960	1000	1000	940	4	0	940	1000	975	30
Major Ions													
Alkalinity, Total as CaCO3	mg/L			168	178	166	164	4	0	164	178	169	6.2182527
Bicarbonate as HCO3	mg/L			205	217	202	200	4	0	200	217	206	7.6157731
Calcium, Dissolved	mg/L			48.5	56.4	52.6	58.9	4	0	48.5	58.9	54.1	4.5438603
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	13	12	12	11	4	0	11	13	12	0.8164966
Fluoride	mg/L	4	2	0.4	0.4	0.5	0.4	4	0	0.4	0.5	0.425	0.05
Magnesium, Dissolved	mg/L			21.2	24.6	22.6	26.3	4	0	21.2	26.3	23.675	2.2381168
Nitrogen, Ammonia as N	mg/L			<0.1	0.2	0.3	0.2	4	1	<0.1	0.3	0.1875	0.1030776
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			14.2	15.7	14.7	13.7	4	0	13.7	15.7	14.575	0.8539126
Silica	mg/L			6.9	6.7	7.3	3.5	4	0	3.5	7.3	6.1	1.7511901
Sodium, Dissolved	mg/L			224 d	199 d	222 d	240 d	4	0	199	240	221.25	16.879475
Sulfate, Total	mg/L		250	540 d	594 d	455 d	514 d	4	0	455	594	525.75	57.748737
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	<0.001	0.001	4	2	<0.001	0.001	0.00075	0.0002887
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.1	<0.1	4	3	<0.1	0.1	0.0625	0.025
Cadmium, Dissolved	mg/L	0.005		<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.05	<0.001	<0.001	<0.001	4	4	<0.001	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L		0.05	0.08	0.11	0.08	0.09	4	0	0.08	0.11	0.09	0.0141421
Mercury, Dissolved	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	0.002	<0.001	4	3	<0.001	0.002	0.000875	0.00075
Silver, Dissolved	mg/L		0.1	<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.001	<0.005	<0.005	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0003	0.0001875	0.000075
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	4	3	<0.1	0.1	0.0625	0.025
Zinc, Dissolved	mg/L		5	<0.01	0.02	0.02	<0.01	4	2	<0.01	0.02	0.0125	0.0086603
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	0.001	<0.001	3	2	<0.001	0.001	0.0006667	0.0002887
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	<0.001	0.003 d	2	1	<0.001	0.003	0.00175	0.0017678
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	0.21	0.23	2	0	0.21	0.23	0.22	0.0141421
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.08	0.09	2	0	0.08	0.09	0.085	0.0070711
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	1.6	1.6	2	0	1.6	1.6	1.6	0
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	NM	<0.0003	<0.0003	3	3	<0.0003	<0.0003	<0.0003	<0.0003

Dewey-Burdock Hydro ID				8	8	8	8	Summary Statistics for Hydro ID 8					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 2:33:00 PM	11/27/2007 4:30:00 PM	2/5/2008 10:20:00 AM	5/29/2008 11:41:00 AM						
Lab ID				R07090384 -003	R07110303 -005	R08020052 -001	R08050419 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detects)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		5	8.7	5.4	3.2 j	4	0	3.2	8.7	5.575	2.2925604
Gross Beta, Dissolved	pCi/L			15.9	25	21	16.2	4	0	15.9	25	19.525	4.3338782
Gross Gamma, Dissolved	pCi/L			650	970	<20	0 j	4	1	<20	970	407.5	482.79568
Lead 210, Dissolved	pCi/L			<1	4	3	0.8 j	4	1	<1	4	2.075	1.6997549
Polonium 210, Dissolved	pCi/L			<1	<1	1.6	-0.2 j	4	2	<1	1.6	0.6	0.7438638
Radium 226, Dissolved	pCi/L	5		<0.2	2.7	1.5	1.2	4	1	<0.2	2.7	1.375	1.0688779
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	1.9	4.9 j	4	2	<1	4.9	1.95	2.0744477
Polonium 210, Suspended	pCi/L			<1	<1	<1	-0.1 j	4	3	<1	-0.1	0.35	0.3
Radium 226, Suspended	pCi/L	5		3.5	<0.2	2.8	-0.4 j	4	1	<0.2	3.5	1.5	1.9373521
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		3.5	NM	NM	NM	1	0	3.5	3.5	3.5	---
Radon 222, Total	pCi/L			NM	123	329 h	514	3	0	123	514	322	195.59397
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-2.44	-3.23	5.03	5.33	4	0	-3.23	5.33	1.1725	4.6403044
Anions	meq/l			15	14.8	13.1	14.3	4	0	13.1	15	14.3	0.8524475
Cations	meq/l			14.3	13.9	14.5	15.9	4	0	13.9	15.9	14.65	0.8698659
Solids, Total Dissolved Calculated	mg/L			962	939	879	973	4	0	879	973	938.25	41.963278
TDS Balance (0.80 - 1.20)	dec. %			1	1.12	1.15	0.97	4	0	0.97	1.15	1.06	0.0883176

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				13	13	13	13	13	Summary Statistics for Hydro ID 13					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 11:36:00 AM	9/27/2007 3:45:00 PM	11/12/2007 12:15:00 PM	2/20/2008 2:41:00 PM	5/19/2008 12:20:00 PM						
Lab ID				R06100076 -005	R07090385 -005	R07110146 -007	R08020220 -004	R08050251 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	740	1257	1233	1282	4	0	740	1282	1128	259.4391
Field Dissolved Oxygen	mg/L			NM	0.35	1.42	3.01	1.28	4	0	0.35	3.01	1.515	1.104008
Field pH	s.u.		6.5-8.5	NM	7.86	7.96	8.14	7.85	4	0	7.85	8.14	7.9525	0.134505
Field Temperature	Deg C			10	NM	12.74	6.1	10.56	4	0	6.1	12.74	9.85	2.765333
Field Turbidity	NTUs			NM	NM	2.9	1.9	3	3	0	1.9	3	2.6	0.608276
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1290	1280	1140	1330	1420	5	0	1140	1420	1292	101.341
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	230	200	260	3	0	200	260	230	30
pH, Laboratory	s.u.		6.5-8.5	7.93	7.83	7.75	8.05	7.96	5	0	7.75	8.05	7.904	0.116533
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	4.7	4.9	4.7	3	0	4.7	4.9	4.8	0.11547
Solids, Total Dissolved TDS @ 180 C	mg/L		500	880	890	890	850	880	5	0	850	890	878	16.43168
Major Ions														
Alkalinity, Total as CaCO3	mg/L			170	168	142	160	156	5	0	142	170	159.2	11.18928
Bicarbonate as HCO3	mg/L			200	205	173	195	190	5	0	173	205	192.6	12.30041
Calcium, Dissolved	mg/L			61	57.4	61.3	58 d	72.4	5	0	57.4	72.4	62.02	6.058218
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	11	11	11	10	10	5	0	10	11	10.6	0.547723
Fluoride	mg/L	4	2	0.43	0.4	0.4	0.5	0.5	5	0	0.4	0.5	0.446	0.050794
Magnesium, Dissolved	mg/L			22	21	25.1	22.4	29.5	5	0	21	29.5	24	3.428557
Nitrogen, Ammonia as N	mg/L			0.2	0.6	0.1	<0.1	<0.1	5	2	<0.1	0.6	0.2	0.23184
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9	11.3	11.7	11.8	11.5	5	0	9	11.8	11.06	1.167476
Silica	mg/L			NM	7.7	6.2	6.5	3.6	4	0	3.6	7.7	6	1.726268
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			180	163 d	175 d	173 d	188 d	5	0	163	188	175.8	9.20326
Sulfate, Total	mg/L		250	460 d	488 d	520 d	499 d	442 d	5	0	442	520	481.8	31.03546
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Manganese, Dissolved	mg/L		0.05	0.11	0.1	0.2	0.16	0.2	5	0	0.1	0.2	0.154	0.047749
Mercury, Dissolved	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.001	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			NM	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.001	<0.0003	<0.0003	<0.0003	<0.0003	5	5	<0.0003	<0.001	<0.001	<0.001
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	0.04	<0.01	0.01	5	3	<0.01	0.04	0.013	0.015248
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	<0.001	0.001	2	1	<0.001	0.001	0.00075	0.000354
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.001	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	3.11	4.56	2	0	3.11	4.56	3.835	1.025305
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	NM	0.16	0.2	2	0	0.16	0.2	0.18	0.028284
Mercury, Total	mg/L	0.002		<0.001	<0.0002	<0.001	<0.001	<0.0001	5	5	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	1.5	1.7	2	0	1.5	1.7	1.6	0.141421
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	NM	<0.0003	<0.0003	2	2	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	NM	NM	NM	0.07	0.04	2	0	0.04	0.07	0.055	0.021213
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		12	8.9	7.5	19.5	4.2	5	0	4.2	19.5	10.42	5.798017
Gross Beta, Dissolved	pCi/L			17	9.6	11.7	11.4	10.3	5	0	9.6	17	12	2.91976
Gross Gamma, Dissolved	pCi/L			<20	<20	4300	<20	0 j	5	3	<20	4300	866	1919.669
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	<1	4.7	4.1 j	4	2	<1	4.7	2.45	2.26495
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	2.6	1.1	-0.6 j	4	1	<1	2.6	0.9	1.334166
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 226, Dissolved	pCi/L	5		2.1	1.8	1.6	1.1	1.6	5	0	1.1	2.1	1.64	0.364692
Radium 226, Dissolved E901.1	pCi/L	5		<20	NM	NM	NM	NM	1	1	<20	<20	<20	---

Dewey-Burdock Hydro ID				13	13	13	13	13	Summary Statistics for Hydro ID 13					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 11:36:00 AM	9/27/2007 3:45:00 PM	11/12/2007 12:15:00 PM	2/20/2008 2:41:00 PM	5/19/2008 12:20:00 PM						
Lab ID				R06100076 -005	R07090385 -005	R07110146 -007	R08020220 -004	R08050251 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 228, Dissolved	pCi/L			<1	NM	NM	NM	NM	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	0.4	<0.2	<0.2	0 j	4	2	<0.2	0.4	0.15	0.173205
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	<1	<1	<1	-0.2 j	4	3	<1	-0.2 j	0.325	0.35
Polonium 210, Suspended	pCi/L			NM	5.2	<1	<1	0 j	4	2	<1	5.2	1.55	2.444722
Radium 226, Suspended	pCi/L	5		NM	<0.2	<0.2	1.6	0.01 j	4	2	<0.2	1.6	0.4525	0.766176
Thorium 230, Suspended	pCi/L			NM	<0.2	<0.2	0.4	0.2 j	4	2	<0.2	0.4	0.2	0.141421
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			NM	5.2	NM	NM	NM	1	0	5.2	5.2	5.2	---
Radium 226, Total	pCi/L	5		NM	1.1	NM	NM	NM	1	0	1.1	1.1	1.1	---
Radon 222, Total	pCi/L			335	NM	305	258	412	4	0	258	412	327.5	64.63487
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	-1.26	-3.53	-4.96	6.97	4	0	-4.96	6.97	-0.695	5.332257
Anions	meq/l			NM	12.3	14	13.9	12.6	4	0	12.3	14	13.2	0.875595
Cations	meq/l			NM	12	13.1	12.6	14.5	4	0	12	14.5	13.05	1.066146
Solids, Total Dissolved Calculated	mg/L			NM	781	898	888	857	4	0	781	898	856	52.9591
TDS Balance (0.80 - 1.20)	dec. %			NM	1.14	0.99	0.96	1.02	4	0	0.96	1.14	1.0275	0.078899

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				16	16	16	16	16	Summary Statistics for Hydro ID 16					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 12:00:00 PM	9/27/2007 7:18:00 PM	11/12/2007 4:05:00 PM	3/30/2008 3:19:00 PM	6/30/2008 1:45:00 PM						
Lab ID				R06100076 -006	R07090385 -002	R07110146 -010	R08030315 -004	R08070005 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	740	1016	917	1159	4	0	740	1159	958	176.0398
Field Dissolved Oxygen	mg/L			NM	0.27	NM	0.23	NM	2	0	0.23	0.27	0.25	0.028284
Field pH	s.u.		6.5-8.5	NM	7.13	NM	7.43	7.67	3	0	7.13	7.67	7.41	0.270555
Field Temperature	Deg C			11	NM	12.95	8.84	15.01	4	0	8.84	15.01	11.95	2.641855
Field Turbidity	NTUs			NM	NM	NM	0	1	2	0	0	1	0.5	0.707107
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1260	1080	925	1050	1000	5	0	925	1260	1063	124.7798
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	240	200	230	3	0	200	240	223.3333	20.81666
pH, Laboratory	s.u.		6.5-8.5	7.44	7.43	7.48	7.57	7.38	5	0	7.38	7.57	7.46	0.071063
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	0.94	0.96	0.93	3	0	0.93	0.96	0.943333	0.015275
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	810	760	780	780	5	0	760	940	814	72.66361
Major Ions														
Alkalinity, Total as CaCO3	mg/L			160	158	148	148	150	5	0	148	160	152.8	5.761944
Bicarbonate as HCO3	mg/L			200	193	180	180	183	5	0	180	200	187.2	8.927486
Calcium, Dissolved	mg/L			140	108 d	103	113	125	5	0	103	140	117.8	14.85598
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	6.2	5	5	5	4	5	0	4	6.2	5.04	0.779744
Fluoride	mg/L	4	2	0.37	0.4	0.4	0.4	0.5	5	0	0.37	0.5	0.414	0.0498
Magnesium, Dissolved	mg/L			55	40.7	39.4	46.8	47	5	0	39.4	55	45.78	6.205804
Nitrogen, Ammonia as N	mg/L			<0.1	0.4	<0.1	<0.1	<0.1	5	4	<0.1	0.4	0.12	0.156525
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	0.2	<0.1	<0.1	5	4	<0.1	0.2	0.08	0.067082
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			16	16.6	16	15.1	16.7	5	0	15.1	16.7	16.08	0.637966
Silica	mg/L			NM	7.3	6.5	7	3.9	4	0	3.9	7.3	6.175	1.552149
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			53	44 d	44.1 d	48	48 d	5	0	44	53	47.42	3.692154
Sulfate, Total	mg/L		250	522 d	448 d	428 d	449 d	401 d	5	0	401	522	449.6	44.92549
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	0.001	<0.001	<0.001	0.001	5	3	<0.001	0.001	0.0016	0.001917
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.12	<0.1	<0.1	<0.1	<0.1	5	4	<0.1	0.12	0.064	0.031305
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Manganese, Dissolved	mg/L		0.05	0.19	0.16	<0.01	0.13	0.14	5	1	<0.01	0.19	0.125	0.070887
Mercury, Dissolved	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			NM	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.002	0.0021	0.0007	0.0007	<0.0003	5	1	<0.0003	0.0021	0.00113	0.00087
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.04	0.04	0.06	0.01	0.02	5	0	0.01	0.06	0.034	0.019494
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	0.004 d	<0.002	2	1	<0.002	0.004	0.0025	0.002121
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	0.25	0.26	2	0	0.25	0.26	0.255	0.007071
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.003	2	2	<0.001	<0.003	<0.003	<0.003
Manganese, Total	mg/L		0.05	NM	NM	NM	0.14	0.13	2	0	0.13	0.14	0.135	0.007071
Mercury, Total	mg/L	0.002		<0.001	<0.0002	<0.001	<0.001	<0.0002	5	5	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	0.002 d	2	1	<0.001	0.002	0.00125	0.001061
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	2.7	2.7	2	0	2.7	2.7	2.7	0
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	NM	0.0007	<0.0003	2	1	<0.0003	0.0007	0.000425	0.000389
Zinc, Total	mg/L		5	NM	NM	NM	0.02	<0.03	2	1	<0.03	0.02	0.0175	0.003536
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			770	NM	NM	NM	NM	1	0	770	770	770	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		110	62.7	12.2	85.7	28.3	5	0	12.2	110	59.78	40.17856
Gross Beta, Dissolved	pCi/L			50	33.1	24	47.2	19.3	5	0	19.3	50	34.72	13.6432
Gross Gamma, Dissolved	pCi/L			1600	<20	2300	600	760	5	1	<20	2300	1054	899.0439
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	2.2	-27 j	2 j	4	1	<1	2.2	-5.575	14.30347
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			810	NM	NM	NM	NM	1	0	810	810	810	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	<1	0.2 j	0 j	4	2	<1	0.2	0.3	0.244949
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 226, Dissolved	pCi/L	5		33.6	26.2	8.1	15.3	6.4	5	0	6.4	33.6	17.92	11.7306
Radium 226, Dissolved E901.1	pCi/L	5		770	NM	NM	NM	NM	1	0	770	770	770	---

Dewey-Burdock Hydro ID				16	16	16	16	16	Summary Statistics for Hydro ID 16					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 12:00:00 PM	9/27/2007 7:18:00 PM	11/12/2007 4:05:00 PM	3/30/2008 3:19:00 PM	6/30/2008 1:45:00 PM						
Lab ID				R06100076 -006	R07090385 -002	R07110146 -010	R08030315 -004	R08070005 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 228, Dissolved	pCi/L			<1	NM	NM	NM	NM	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	0.3	<0.2	0.2 j	0 j	4	1	<0.2	0.3	0.15	0.129099
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	<1	1.2	0 j	-0.4 j	4	1	<1	1.2	0.325	0.689807
Polonium 210, Suspended	pCi/L			NM	<1	<1	0.8 j	0 j	4	2	<1	0.8	0.45	0.331662
Radium 226, Suspended	pCi/L	5		NM	<0.2	<0.2	1.4	-0.3 j	4	2	<0.2	1.4	0.325	0.741058
Thorium 230, Suspended	pCi/L			NM	<0.2	<0.2	0.1 j	0 j	4	2	<0.2	0.1	0.075	0.05
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		NM	17.4	NM	NM	NM	1	0	17.4	17.4	17.4	---
Radon 222, Total	pCi/L			39000	NM	1090	28200	3150	4	0	1090	39000	17860	18721.04
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	-2.85	-1.55	-2	4.63	4	0	-2.85	4.63	-0.4425	3.424358
Anions	meq/l			NM	11.8	11	12.5	11.5	4	0	11	12.5	11.7	0.627163
Cations	meq/l			NM	11.1	10.7	12	12.6	4	0	10.7	12.6	11.6	0.860233
Solids, Total Dissolved Calculated	mg/L			NM	715	686	786	743	4	0	686	786	732.5	42.58717
TDS Balance (0.80 - 1.20)	dec. %			NM	1.14	1.11	0.99	1.04	4	0	0.99	1.14	1.07	0.067823

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				18	18	18	18	18	Summary Statistics for Hydro ID 18					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 10:07:00 AM	9/26/2007 10:39:00 AM	11/12/2007 10:15:00 AM	2/12/2008 11:08:00 AM	5/30/2008 11:12:00 AM						
Lab ID				R06100076 -001	R07090384 -001	R07110146 -004	R08020130 -003	R08050427 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	1157	1408	1446	1413	4	0	1157	1446	1356	133.7336
Field Dissolved Oxygen	mg/L			NM	0.86	1.76	NM	NM	2	0	0.86	1.76	1.31	0.636396
Field pH	s.u.		6.5-8.5	NM	8.11	8.28	8.07	8.14	4	0	8.07	8.28	8.15	0.091287
Field Temperature	Deg C			11	NM	12.58	12.02	12.26	4	0	11	12.58	11.965	0.683008
Field Turbidity	NTUs			NM	NM	1.7	0.1	0.4	3	0	0.1	1.7	0.73	0.85049
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1430	1430	1360	1450	1470	5	0	1360	1470	1428	41.47288
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	80	130	200	3	0	80	200	137	60.27714
pH, Laboratory	s.u.		6.5-8.5	8.11	8.09	8.02	8.11	8.1	5	0	8.02	8.11	8.086	0.037815
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	11	10	10	3	0	10	11	10.3	0.57735
Solids, Total Dissolved TDS @ 180 C	mg/L		500	950	990	960	960	940	5	0	940	990	960	18.70829
Major Ions														
Alkalinity, Total as CaCO3	mg/L			180	184	176	180	180	5	0	176	184	180	2.828427
Bicarbonate as HCO3	mg/L			220	224	215	219	219	5	0	215	224	219.4	3.209361
Calcium, Dissolved	mg/L			34	31.8	33	34	38	5	0	31.8	38	34.16	2.329807
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	14	13	13	14	12	5	0	12	14	13.2	0.83666
Fluoride	mg/L	4	2	0.38	0.4	0.4	0.5	0.4	5	0	0.38	0.5	0.416	0.047749
Magnesium, Dissolved	mg/L			12	11.3	11.6	12.2	13.4	5	0	11.3	13.4	12.1	0.806226
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.2	0.1	5	0	0.1	0.2	0.18	0.044721
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7	7.2	7	7.3	6.9	5	0	6.9	7.3	7.08	0.164317
Silica	mg/L			NM	7.5	7.3	7.8	4.2	4	0	4.2	7.8	6.7	1.679286
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			260	278 d	280 d	270 d	291 d	5	0	260	291	275.8	11.58447
Sulfate, Total	mg/L		250	481 d	513 d	534 d	537	492 d	5	0	481	537	511.4	24.84552
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	0.002	0.001	0.001	0.001	5	1	<0.01	0.002	0.002	0.001732
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.01	<0.005	<0.005	<0.005	5	5	<0.001	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.05	<0.001	<0.001	<0.001	5	5	<0.001	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L		0.05	0.06	0.06	0.06	0.07	0.06	5	0	0.06	0.07	0.062	0.004472
Mercury, Dissolved	mg/L	0.002		NM	<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			0.03	<0.05	<0.05	<0.05	<0.05	5	4	<0.05	0.03	0.026	0.002236
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.01	<0.005	<0.005	<0.005	5	5	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			NM	<0.001	<0.005	<0.005	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.007	0.0061	0.0066	0.0066	0.0059	5	0	0.0059	0.007	0.00644	0.000439
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	0.0017	<0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0017	0.0005	0.000775
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	0.002	0.003 d	2	0	0.002	0.003	0.0025	0.000707
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	1.04	1.11	2	0	1.04	1.11	1.075	0.049497
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	NM	0.06	0.06	2	0	0.06	0.06	0.06	0
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.0001	5	5	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	0.6	0.7	2	0	0.6	0.7	0.65	0.070711
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	0.008	NM	0.0062 d	0.0062	3	0	0.0062	0.008	0.0068	0.001039
Zinc, Total	mg/L		5	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		37	15.7	18.9	31.7	27.5	5	0	15.7	37	26.16	8.833346
Gross Beta, Dissolved	pCi/L			14	6.7	12.1	13	4.8	5	0	4.8	14	10.12	4.100854
Gross Gamma, Dissolved	pCi/L			<20	510	370	190	0 j	5	1	<20	510	216	223.5621
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	4.6	<1	-1 j	4	2	<1	4.6	1.15	2.406242
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	<1	2.2	0 j	4	2	<1	2.2	0.8	0.962635
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 226, Dissolved	pCi/L	5		5.8	<0.2	3.2	3.2	2.6	5	1	<0.2	5.8	2.98	2.030271
Radium 226, Dissolved E901.1	pCi/L	5		<20	NM	NM	NM	NM	1	1	<20	<20	<20	---

Dewey-Burdock Hydro ID				18	18	18	18	18	Summary Statistics for Hydro ID 18					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 10:07:00 AM	9/26/2007 10:39:00 AM	11/12/2007 10:15:00 AM	2/12/2008 11:08:00 AM	5/30/2008 11:12:00 AM						
Lab ID				R06100076 -001	R07090384 -001	R07110146 -004	R08020130 -003	R08050427 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 228, Dissolved	pCi/L			2.3	NM	NM	NM	NM	1	0	2.3	2.3	2.3	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	<0.2	<0.2	0.2	0 j	4	2	<0.2	0.2	0.1	0.08165
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	<1	<1	<1	29.6	4	3	<1	29.6	7.775	14.55
Polonium 210, Suspended	pCi/L			NM	6	<1	<1	1.7	4	2	<1	6	2.175	2.611992
Radium 226, Suspended	pCi/L	5		NM	4	<0.2	1.1	1.1	4	1	<0.2	4	1.575	1.683993
Thorium 230, Suspended	pCi/L			NM	<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			NM	6	NM	NM	NM	1	0	6	6	6	---
Radium 226, Total	pCi/L	5		NM	4	NM	NM	NM	1	0	4	4	4	---
Radon 222, Total	pCi/L			762	NM	945	1220 h	1210	4	0	762	1220	1034.25	221.7181
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	0.211	-0.239	-1.77	5.45	4	0	-1.77	5.45	0.913	3.141272
Anions	meq/l			NM	14.7	15	15.2	14.2	4	0	14.2	15.2	14.775	0.434933
Cations	meq/l			NM	14.8	15	14.7	15.8	4	0	14.7	15.8	15.075	0.499166
Solids, Total Dissolved Calculated	mg/L			NM	965	994	1000	973	4	0	965	1000	983	16.67333
TDS Balance (0.80 - 1.20)	dec. %			NM	1.03	0.97	0.96	0.96	4	0	0.96	1.03	0.98	0.033665

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.
NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				41	Summary Statistics for Hydro ID 41					
Month Sampled				Initial						
Date and Time Collected				10/3/2006 10:49:00 AM						
Lab ID				R06100076 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			NM	NM	NM	NM	NM	NM	NM
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	NM	NM	NM	NM	NM	NM	NM
Field Temperature	Deg C			10	1	0	10	10	10	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1380	1	0	1380	1380	1380	---
Non-polar Materials (SGT-HEM)	mg/L			<5	1	1	<5	<5	<5	---
pH, Laboratory	s.u.		6.5-8.5	7.92	1	0	7.92	7.92	7.92	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	910	1	0	910	910	910	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			180	1	0	180	180	180	---
Bicarbonate as HCO3	mg/L			220	1	0	220	220	220	---
Calcium, Dissolved	mg/L			41	1	0	41	41	41	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	14	1	0	14	14	14	---
Fluoride	mg/L	4	2	0.37	1	0	0.37	0.37	0.37	---
Magnesium, Dissolved	mg/L			16	1	0	16	16	16	---
Nitrogen, Ammonia as N	mg/L			0.2	1	0	0.2	0.2	0.2	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			8	1	0	8	8	8	---
Silicon as SiO2	mg/L			7	1	0	7	7	7	---
Sodium, Dissolved	mg/L			230	1	0	230	230	230	---
Sulfate, Total	mg/L		250	458 d	1	0	458	458	458	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.01	1	1	<0.01	<0.01	<0.01	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.001	1	1	<0.001	<0.001	<0.001	---
Chromium, Dissolved	mg/L	0.1		<0.01	1	1	<0.01	<0.01	<0.01	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.01	1	1	<0.01	<0.01	<0.01	---
Manganese, Dissolved	mg/L		0.05	0.1	1	0	0.1	0.1	0.1	---
Molybdenum, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Nickel, Dissolved	mg/L			0.02	1	0	0.02	0.02	0.02	---
Selenium, Dissolved	mg/L	0.05		<0.005	1	1	<0.005	<0.005	<0.005	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.007	1	0	0.007	0.007	0.007	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	0.01	1	0	0.01	0.01	0.01	---
Metals, Total										
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Radionuclides, Dissolved										
Actinium 228, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			210	1	0	210	210	210	---
Cesium 134, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		88	1	0	88	88	88	---
Gross Beta, Dissolved	pCi/L			32	1	0	32	32	32	---
Gross Gamma, Dissolved	pCi/L			410	1	0	410	410	410	---
Iodine 125, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Lead 212, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			190	1	0	190	190	190	---
Manganese 54, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Potassium 40, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Radium 226, Dissolved	pCi/L	5		16.5	1	0	16.5	16.5	16.5	---
Radium 226, Dissolved E901.1	pCi/L	5		210	1	0	210	210	210	---
Radium 228, Dissolved	pCi/L			<1	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Thorium 234, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				41	Summary Statistics for Hydro ID 41					
Month Sampled				Initial						
Date and Time Collected				10/3/2006 10:49:00 AM						
Lab ID				R06100076 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium 238, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Radionuclides, Total										
Radon 222, Total	pCi/L			9670	1	0	9670	9670	9670	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				42	42	42	42	42	Summary Statistics for Hydro ID 42					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 10:18:00 AM	9/28/2007 11:34:00 AM	11/12/2007 11:20:00 AM	2/5/2008 2:10:00 PM	5/30/2008 11:55:00 AM						
Lab ID				R06100076 -002	R07100002 -003	R07110146 -006	R08020052 -004	R08050427 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	1079	1393	1463	1392	4	0	1079	1463	1331.75	171.7467
Field Dissolved Oxygen	mg/L			NM	NM	1.32	5.25	NM	2	0	1.32	5.25	3.285	2.77893
Field pH	s.u.		6.5-8.5	NM	7.82	8.03	8.14	8.01	4	0	7.82	8.14	8	0.132916
Field Temperature	Deg C			12	NM	12.58	0.75	12.2	4	0	0.75	12.58	9.3825	5.760025
Field Turbidity	NTUs			NM	NM	0.5	0.5	0.2	3	0	0.2	0.5	0.4	0.173205
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1410	1390	1310	1420	1510	5	0	1310	1510	1408	71.55418
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	240	170	200	3	0	170	240	203.3333	35.11885
pH, Laboratory	s.u.		6.5-8.5	8.01	8.02	7.95	8.08	8.05	5	0	7.95	8.08	8.022	0.048683
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	10	11	9.7	3	0	9.7	11	10.23333	0.680686
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	960	940	980	930	5	0	930	980	950	20
Major Ions														
Alkalinity, Total as CaCO3	mg/L			180	180	174	180	176	5	0	174	180	178	2.828427
Bicarbonate as HCO3	mg/L			220	219	212	219	215	5	0	212	220	217	3.391165
Calcium, Dissolved	mg/L			35	30 d	34	35.3	39.4	5	0	30	39.4	34.74	3.358273
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	14	12	13	12	11	5	0	11	14	12.4	1.140175
Fluoride	mg/L	4	2	0.39	0.4	0.4	0.4	0.4	5	0	0.39	0.4	0.398	0.004472
Magnesium, Dissolved	mg/L			12	9.4	11.8	12.3	13.5	5	0	9.4	13.5	11.8	1.494992
Nitrogen, Ammonia as N	mg/L			0.2	0.1	0.1	0.1	0.1	5	0	0.1	0.2	0.12	0.044721
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	0.2	<0.1	<0.1	5	4	<0.1	0.2	0.08	0.067082
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7	7.1	7.2	7.8	6.8	5	0	6.8	7.8	7.18	0.376829
Silica	mg/L			NM	7.1	7.2	7.4	4.1	4	0	4.1	7.4	6.45	1.571623
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			250	242 d	270 d	289 l	277 d	5	0	242	289	265.6	19.34683
Sulfate, Total	mg/L		250	473 d	505 d	519 d	505 d	466 d	5	0	466	519	493.6	22.86482
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	<0.001	<0.001	0.001	<0.001	5	4	<0.001	0.001	0.0015	0.001969
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	5	4	<0.1	0.1	0.06	0.022361
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Manganese, Dissolved	mg/L		0.05	0.08	0.06	0.08	0.09	0.08	5	0	0.06	0.09	0.078	0.010954
Mercury, Dissolved	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			0.02	<0.05	<0.05	<0.05	<0.05	5	4	<0.05	0.02	0.024	0.002236
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	0.001	<0.001	5	4	<0.001	0.001	0.001	0.000866
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			NM	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.04	0.015	0.0324	0.0194	0.0142	5	0	0.0142	0.04	0.0242	0.011452
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.01	0.03	0.02	0.02	5	1	<0.01	0.03	0.017	0.009747
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	0.001	<0.001	3	2	<0.001	0.001	0.000667	0.000289
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	0.0029	<0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0029	0.000838	0.001375
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	0.002	0.004 d	2	0	0.002	0.004	0.003	0.001414
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	0.15	0.16	2	0	0.15	0.16	0.155	0.007071
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	NM	0.08	0.08	2	0	0.08	0.08	0.08	0
Mercury, Total	mg/L	0.002		<0.001	<0.0002	<0.001	<0.001	<0.0001	5	5	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	0.7	0.7	2	0	0.7	0.7	0.7	0
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	NM	0.0198	0.0149	2	0	0.0149	0.0198	0.01735	0.003465
Zinc, Total	mg/L		5	NM	NM	NM	0.03	0.02	2	0	0.02	0.03	0.025	0.007071
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			1600	NM	NM	NM	NM	1	0	1600	1600	1600	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		560	371	375	526	558	5	0	371	560	478	96.80651
Gross Beta, Dissolved	pCi/L			110	122	173	93.5	159	5	0	93.5	173	131.5	33.44772
Gross Gamma, Dissolved	pCi/L			3400	1300	70000	2800	150	5	0	150	70000	15530	30476.25
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	21	15	17.8	4	1	<1	21	13.575	9.054787
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			1800	NM	NM	NM	NM	1	0	1800	1800	1800	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	<1	5.5	1.6	4	2	<1	5.5	2.025	2.373991
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 226, Dissolved	pCi/L	5		87.6	96.5	102	100	100	5	0	87.6	102	97.22	5.730794
Radium 226, Dissolved E901.1	pCi/L	5		1600	NM	NM	NM	NM	1	0	1600	1600	1600	---

Dewey-Burdock Hydro ID				42	42	42	42	42	Summary Statistics for Hydro ID 42					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 10:18:00 AM	9/28/2007 11:34:00 AM	11/12/2007 11:20:00 AM	2/5/2008 2:10:00 PM	5/30/2008 11:55:00 AM						
Lab ID				R06100076 -002	R07100002 -003	R07110146 -006	R08020052 -004	R08050427 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 228, Dissolved	pCi/L			<1	NM	NM	NM	NM	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	<0.2	0.5	<0.2	0.1 j	4	2	<0.2	0.5	0.2	0.2
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	57	<1	17	14	4	1	<1	57	22.125	24.33233
Polonium 210, Suspended	pCi/L			NM	13	1.1	2	0.3 j	4	0	0.3	13	4.1	5.973832
Radium 226, Suspended	pCi/L	5		NM	<0.2	<0.2	5.1	-0.3 j	4	2	<0.2	5.1	1.25	2.573584
Thorium 230, Suspended	pCi/L			NM	<0.2	0.2	<0.2	0 j	4	2	<0.2	0.2	0.1	0.08165
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	57	NM	NM	NM	1	0	57	57	57	---
Polonium 210, Total	pCi/L			NM	13	NM	NM	NM	1	0	13	13	13	---
Radium 226, Total	pCi/L	5		NM	79.7	NM	NM	NM	1	0	79.7	79.7	79.7	---
Radon 222, Total	pCi/L			197000	NM	132000	175000 h	219000	4	0	132000	219000	180750	37133.77
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	-1.32	-0.342	3.65	6.08	4	0	-1.32	6.08	2.017	3.458088
Anions	meq/l			NM	13.3	14.7	14.5	13.6	4	0	13.3	14.7	14.025	0.680074
Cations	meq/l			NM	13	14.6	15.6	15.3	4	0	13	15.6	14.625	1.161536
Solids, Total Dissolved Calculated	mg/L			NM	858	969	971	932	4	0	858	971	932.5	52.80467
TDS Balance (0.80 - 1.20)	dec. %			NM	1.12	0.97	1.01	1	4	0	0.97	1.12	1.025	0.065574

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

Dewey-Burdock Hydro ID				49	Summary Statistics for Hydro ID 49					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 6:26:00 PM						
Lab ID				R08070035 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1381	1	0	1381	1381	1381	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.77	1	0	7.77	7.77	7.77	---
Field Temperature	Deg C			14	1	0	14	14	14	---
Field Turbidity	NTUs			0.5	1	0	0.5	0.5	0.5	---
Water Level Elevation	ft AMSL			3642.1	1	0	3642.1	3642.1	3642.1	---
Physical Properties										
Conductivity @ 25 C	umhos/cm			1200	1	0	1200	1200	1200	---
Oxidation-Reduction Potential	mV			160	1	0	160	160	160	---
pH, Laboratory	s.u.		6.5-8.5	7.91	1	0	7.91	7.91	7.91	---
Sodium Adsorption Ratio (SAR)	unitless			6.1	1	0	6.1	6.1	6.1	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	930	1	0	930	930	930	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			168	1	0	168	168	168	---
Bicarbonate as HCO3	mg/L			205	1	0	205	205	205	---
Calcium, Dissolved	mg/L			62.2	1	0	62.2	62.2	62.2	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	12	1	0	12	12	12	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			25.2	1	0	25.2	25.2	25.2	---
Nitrogen, Ammonia as N	mg/L			0.2	1	0	0.2	0.2	0.2	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			10.4	1	0	10.4	10.4	10.4	---
Silica	mg/L			4.6	1	0	4.6	4.6	4.6	---
Sodium, Dissolved	mg/L			226 d	1	0	226	226	226	---
Sulfate, Total	mg/L		250	465	1	0	465	465	465	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.14	1	0	0.14	0.14	0.14	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0011	1	0	0.0011	0.0011	0.0011	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.002	1	1	<0.002	<0.002	<0.002	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.14	1	0	0.14	0.14	0.14	---
Lead, Total	mg/L			<0.003	1	1	<0.003	<0.003	<0.003	---
Manganese, Total	mg/L		0.05	0.12	1	0	0.12	0.12	0.12	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.003 d	1	0	0.003	0.003	0.003	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			1.1	1	0	1.1	1.1	1.1	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

Dewey-Burdock Hydro ID				49	Summary Statistics for Hydro ID 49					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 6:26:00 PM						
Lab ID				R08070035 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0011	1	0	0.0011	0.0011	0.0011	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		8.2	1	0	8.2	8.2	8.2	---
Gross Beta, Dissolved	pCi/L			7.1	1	0	7.1	7.1	7.1	---
Gross Gamma, Dissolved	pCi/L			920	1	0	920	920	920	---
Lead 210, Dissolved	pCi/L			1.6 j	1	0	1.6	1.6	1.6	---
Polonium 210, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radium 226, Dissolved	pCi/L	5		2.2	1	0	2.2	2.2	2.2	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			1.3 j	1	0	1.3	1.3	1.3	---
Polonium 210, Suspended	pCi/L			-0.1 j	1	0	-0.1	-0.1	-0.1	---
Radium 226, Suspended	pCi/L	5		0.2 j	1	0	0.2	0.2	0.2	---
Thorium 230, Suspended	pCi/L			0.2 j	1	0	0.2	0.2	0.2	---
Radionuclides, Total										
Radon 222, Total	pCi/L			477	1	0	477	477	477	---
Data Quality Parameters										
A/C Balance (± 5)	%			6.51	1	0	6.51	6.51	6.51	---
Anions	meq/l			13.4	1	0	13.4	13.4	13.4	---
Cations	meq/l			15.3	1	0	15.3	15.3	15.3	---
Solids, Total Dissolved Calculated	mg/L			915	1	0	915	915	915	---
TDS Balance (0.80 - 1.20)	dec. %			1.02	1	0	1.02	1.02	1.02	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				615	615	615	615	615	615	615	615
Month Sampled				Apr-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				4/1/2008 2:34:00 PM	4/21/2008 4:16:00 PM	5/28/2008 7:20:00 PM	6/25/2008 1:55:00 PM	7/14/2008 11:50:00 AM	8/20/2008 1:26:00 PM	9/22/2008 4:30:00 PM	10/20/2008 4:20:00 PM
Lab ID				R08040028 -001	R08040250 -004	R08050406 -005	R08060452 -002	R08070244 -002	R08080332 -004	R08090314 -005	R08100295 -010
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			925	1066	1039	1088	1089	998	997	1120
Field Dissolved Oxygen	mg/L			0.24	0.27	0.15	0.09	0.11	NM	0.73	NM
Field pH	s.u.		6.5-8.5	7.22	7.22	7.19	7.01	7.09	6.39	7.16	7.14
Field Temperature	Deg C			14.95	14.99	14.99	15.13	15.21	15.16	14.98	14.8
Field Turbidity	NTUs			-0.2	3.8	0.1	0	4.6	4.2	3.9	NM
Water Level Elevation	ft AMSL			3691.03	3690.99	3690.47	3690.06	3689.69	3689.74	3689.57	3689.41
Physical Properties											
Conductivity @ 25 C	umhos/cm			1050	1040	1050	1110	1090	1250	1010	1100
Oxidation-Reduction Potential	mV			210	300	200	140	130	330	240	250
pH, Laboratory	s.u.		6.5-8.5	7.36	7.43	7.16	7.48	7.29	8.03	7.49	7.77
Sodium Adsorption Ratio (SAR)	unitless			3.4	3.5	3.4	3.4	3.8	3.5	3.5	3.6
Solids, Total Dissolved TDS @ 180 C	mg/L		500	670	750	710	680	710	740	670	720
Major Ions											
Alkalinity, Total as CaCO3	mg/L			136	136	138	138	138	142	138	136
Bicarbonate as HCO3	mg/L			166	166	168	168	168	173	168	166
Calcium, Dissolved	mg/L			70.9	73	79.2	71.8	71.8	78	75.3	71
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	6	4	5	5	5	5	5	5
Fluoride	mg/L	4	2	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.5
Magnesium, Dissolved	mg/L			21.7	22.9	23.2	21.6	21.7	22.7	21.8	20.7
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.7	8.7	9	8.7	11.7	9.1	8.9	8.7
Silica	mg/L			7.6	7.8	4.4	4	2	4.1	9.1	8.7
Sodium, Dissolved	mg/L			127	132	134 d	127 d	142	138 d	136	133 d
Sulfate, Total	mg/L		250	378 d	371	399 d	369	430 d	401 d	421 d	414 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.02	0.02	0.013	0.016	0.018	0.018	0.02	0.012
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.7	0.79	0.1	0.42	0.54	0.73	0.95	0.1
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.06
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0026	0.0025	0.0024	0.0024	0.0025	0.0023	0.0026	0.0023
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0032
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.024	0.024	0.024	0.024	0.023	0.021	0.022	0.024
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.35	1.35	1.4	1.5	1.52	1.32	1.4	1.34
Lead, Total	mg/L			0.002	<0.001	<0.001	0.013 d	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	0.003 d	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0026	0.0025	0.0025	0.0023	0.0025	0.0023	0.0023	0.0026

Dewey-Burdock Hydro ID				615	615	615	615	615	615	615	615
Month Sampled				Apr-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				4/1/2008 2:34:00 PM	4/21/2008 4:16:00 PM	5/28/2008 7:20:00 PM	6/25/2008 1:55:00 PM	7/14/2008 11:50:00 AM	8/20/2008 1:26:00 PM	9/22/2008 4:30:00 PM	10/20/2008 4:20:00 PM
Lab ID				R08040028 -001	R08040250 -004	R08050406 -005	R08060452 -002	R08070244 -002	R08080332 -004	R08090314 -005	R08100295 -010
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	0.02	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		18.2	15.1	15.3	38.3	15.3	17.3	21.5	20.9
Gross Beta, Dissolved	pCi/L			11.6	12.1	3.7	12.6	7	9.6	9.9	12
Gross Gamma, Dissolved	pCi/L			0 j	0 j	170	0 j	0 j	0 j	0 j	1100
Lead 210, Dissolved	pCi/L			-2.5 j	0 j	3.8 j	1.1 j	-0.8 j	4.6 j	-1 j	-1 j
Polonium 210, Dissolved	pCi/L			0.6 j	0.9 j	-0.1 j	0.5 j	0 j	0 j	0.9 j	0.1 j
Radium 226, Dissolved	pCi/L	5		1.8	2	2	7.2	1.2	1.8	2	2.7
Thorium 230, Dissolved	pCi/L			0.2	0 j	0 j	0 j	0 j	0.1 j	<0.2	0.1 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			27.1	-3.2 j	1.5 j	3.5 j	-2 j	-6 j	-0.2 j	-3 j
Polonium 210, Suspended	pCi/L			0.4 j	0.4 j	0 j	0 j	0 j	0 j	-0.04 j	0 j
Radium 226, Suspended	pCi/L	5		0.3	-0.2 j	0.2 j	-0.4 j	-0.4 j	-0.4 j	-0.06 j	-0.1 j
Thorium 230, Suspended	pCi/L			0.9	0.1 j	0.1 j	0.1 j	0.1 j	0.2 j	0.7	-0.2 j
Radionuclides, Total											
Radon 222, Total	pCi/L			1490	1180	1070	1830	1420	1880	1500	1890
Data Quality Parameters											
A/C Balance (± 5)	%			1.45	4.26	3	2.39	-0.04	2.92	0.17	-1.01
Anions	meq/l			10.8	10.6	11.2	10.6	11.9	11.4	11.7	11.5
Cations	meq/l			11.1	11.5	11.9	11.1	11.9	12	11.7	11.3
Solids, Total Dissolved Calculated	mg/L			715	715	745	696	771	751	776	758
TDS Balance (0.80 - 1.20)	dec. %			0.94	1.05	0.95	0.97	0.93	0.98	0.86	0.96

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				615	615	615	615	Summary Statistics for Hydro ID 615					
Month Sampled				Nov-08	Dec-08	Jan-08	Feb-08						
Date and Time Collected				11/18/2008 3:00:00 PM	12/17/2008 11:27:00 AM	1/20/2009 11:10:00 AM	2/24/2009 3:45:00 PM						
Lab ID				R08110211 -013	R08120255 -013	R09010301 -004	R09020293 -009						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1110	1180	1120	1090	12	0	925	1180	1069	68.935411
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	6	0	0.09	0.73	0.27	0.238642
Field pH	s.u.		6.5-8.5	7.12	7.23	7.18	7.29	12	0	6.39	7.29	7.10	0.2362715
Field Temperature	Deg C			15.4	12.7	14.4	15	12	0	12.7	15.4	14.81	0.7072798
Field Turbidity	NTUs			NM	NM	NM	NM	7	0	-0.2	4.6	2.34	2.2389411
Water Level Elevation	ft AMSL			3689.52	3689.92	3690.02	3690.42	12	0	3689.41	3691.03	3690.07	0.5491315
Physical Properties													
Conductivity @ 25 C	umhos/cm			973	965	1050	971	12	0	965	1250	1054.92	78.915903
Oxidation-Reduction Potential	mV			280	270	270	130	12	0	130	330	229.17	67.750657
pH, Laboratory	s.u.		6.5-8.5	8.04	7.34	7.19	7.23	12	0	7.16	8.04	7.48	0.3047639
Sodium Adsorption Ratio (SAR)	unitless			3.5	3.5	3.5	3.3	12	0	3.3	3.8	3.49	0.1240112
Solids, Total Dissolved TDS @ 180 C	mg/L		500	700	700	720	730	12	0	670	750	708.33	25.878504
Major Ions													
Alkalinity, Total as CaCO3	mg/L			138	140	138	138	12	0	136	142	138	1.7056057
Bicarbonate as HCO3	mg/L			168	171	168	168	12	0	166	173	168	2.0375267
Calcium, Dissolved	mg/L			77	72.2	70.3	69 d	12	0	69	79.2	73.29	3.2881214
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	5	5	5	5	12	0	4	6	5	0.4264014
Fluoride	mg/L	4	2	0.5	0.5	0.6	0.6	12	0	0.4	0.6	0.53	0.0651339
Magnesium, Dissolved	mg/L			22.6	21.4	21	21	12	0	20.7	23.2	21.86	0.8140341
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.06	0.05	0.0028868
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.9	8.7	9.8	8.4	12	0	8.4	11.7	9.11	0.8857029
Silica	mg/L			9.1	8.9	7.8	7.8	12	0	2	9.1	6.8	2.4525034
Sodium, Dissolved	mg/L			135 d	131 d	131	124	12	0	124	142	133	5.0362324
Sulfate, Total	mg/L		250	391 d	388 d	389 d	398 d	12	0	369	430	396	18.969473
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.012	0.011	0.014	0.012	12	0	0.011	0.02	0.0155	0.0035548
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.03	0.13	0.06	12	1	<0.03	0.95	0.38	0.3467411
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.06	0.07	0.07	0.07	12	0	0.06	0.08	0.07	0.0051493
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0026	0.0023	0.0027	0.0025	12	0	0.0023	0.0027	0.0025	0.0001357
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	11	<0.0003	0.0032	0.0004	0.0008768
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	11	<0.003	0.003	0.002	0.000433
Arsenic, Total	mg/L	0.01		0.022	0.023	0.024	0.022	12	0	0.021	0.024	0.023	0.0010836
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	0.1	<0.4	<0.1	12	9	<0.1	0.1	0.075	0.0452267
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.19	1.37	1.3 d	1.31	12	0	1.19	1.52	1.3625	0.0882275
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.013	0.002	0.003595
Manganese, Total	mg/L		0.05	0.06	0.06	0.07	0.07	12	0	0.06	0.08	0.069	0.0051493
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.003	0.00075	0.000723
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.3	1.3	1.5	1.3	12	0	1.3	1.5	1.375	0.0621582
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0022	0.0023	0.0026	0.0024	12	0	0.0022	0.0026	0.0024	0.0001422

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				615	615	615	615	Summary Statistics for Hydro ID 615					
Month Sampled				Nov-08	Dec-08	Jan-08	Feb-08						
Date and Time Collected				11/18/2008 3:00:00 PM	12/17/2008 11:27:00 AM	1/20/2009 11:10:00 AM	2/24/2009 3:45:00 PM						
Lab ID				R08110211 -013	R08120255 -013	R09010301 -004	R09020293 -009						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	10	<0.01	0.02	0.0067	0.0044381
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		13.9	21.7	21.1	14.8	12	0	13.9	38.3	19.45	6.6153403
Gross Beta, Dissolved	pCi/L			4.2	12.8	10.4	10.5	12	0	3.7	12.8	9.7	3.1246818
Gross Gamma, Dissolved	pCi/L			960	960	32	1000	12	0	0	1100	351.833	485.95582
Lead 210, Dissolved	pCi/L			-0.2 j	2.2 j	1.2 j	0.9 j	12	0	-2.5	4.6	0.692	2.0690175
Polonium 210, Dissolved	pCi/L			0.1 j	0 j	-0.027 j	0.14 j	12	0	-0.1	0.9	0.259	0.3659067
Radium 226, Dissolved	pCi/L	5		1.9	2.1	1.8	2.3	12	0	1.2	7.2	2.4	1.5515388
Thorium 230, Dissolved	pCi/L			0.1 j	0.3 j	0 j	-0.002 j	12	1	<0.2	0.3	0.075	0.0966736
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			0.5 j	1.1 j	5.8 j	0.5 j	12	0	-6	27.1	2.133	8.4688019
Polonium 210, Suspended	pCi/L			0.097 j	0.1 j	0.14 j	0.15 j	12	0	-0.04	0.4	0.104	0.1518148
Radium 226, Suspended	pCi/L	5		0.04 j	-0.3 j	-0.2 j	0.06 j	12	0	-0.4	0.3	-0.122	0.2376335
Thorium 230, Suspended	pCi/L			-0.2 j	-0.1 j	0.1 j	0.07 j	12	0	-0.2	0.9	0.156	0.3293922
Radionuclides, Total													
Radon 222, Total	pCi/L			1800	1710	1630	1590	12	0	1070	1890	1582.5	265.71088
Data Quality Parameters													
A/C Balance (± 5)	%			3.16	1.01	0.66	-2.02	12	0	-2.02	4.26	1.33	1.8795718
Anions	meq/l			11.1	11	11	11.2	12	0	10.6	11.9	11.17	0.4075053
Cations	meq/l			11.8	11.3	11.2	10.8	12	0	10.8	12	11.47	0.3892495
Solids, Total Dissolved Calculated	mg/L			747	735	730	729	12	0	696	776	739	23.733367
TDS Balance (0.80 - 1.20)	dec. %			0.94	0.95	0.98	1	12	0	0.86	1.05	0.96	0.0452183

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				619	619	619	619	Summary Statistics for Hydro ID 619					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/27/2007 5:45:00 PM	11/12/2007 2:25:00 PM	3/24/2008 3:40:00 PM	6/17/2008 6:10:00 PM						
Lab ID				R07090385 -001	R07110146 -008	R08030253 -002	R08060335 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1351	1761	2120	2390	4	0	1351	2390	1905.5	450.59257
Field Dissolved Oxygen	mg/L			1.17	1.77	0.48	NM	3	0	0.48	1.77	1.14	0.645523
Field pH	s.u.		6.5-8.5	6.96	7.54	7	7.09	4	0	6.96	7.54	7.1475	0.2672546
Field Temperature	Deg C			NM	10.94	11.45	11.8	3	0	10.94	11.8	11.396667	0.4324735
Field Turbidity	NTUs			NM	28.9	2.1	2.2	3	0	2.1	28.9	11.066667	15.444201
Water Level Elevation	ft AMSL			3679.13	3679.19	NM	NM	2	0	3679.13	3679.19	3679.16	0.0424264
Physical Properties													
Conductivity @ 25 C	umhos/cm			2270	1860	2180	2390	4	0	1860	2390	2175	226.93611
Oxidation-Reduction Potential	mV			NM	25	-80.2	150	3	0	-80.2	150	31.6	115.24183
pH, Laboratory	s.u.		6.5-8.5	7.03	7.03	7.25	7.82	4	0	7.03	7.82	7.2825	0.3730393
Sodium Adsorption Ratio (SAR)	unitless			NM	1.2	1.1	1	3	0	1	1.2	1.1	0.1
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2100	1900	2100	2000	4	0	1900	2100	2025	95.742711
Major Ions													
Alkalinity, Total as CaCO3	mg/L			140	98	116	116	4	0	98	140	117.5	17.233688
Bicarbonate as HCO3	mg/L			171	119	141	141	4	0	119	171	143	21.354157
Calcium, Dissolved	mg/L			304 d	263	343	375	4	0	263	375	321.25	48.486252
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	9	10	12	9	4	0	9	12	10	1.4142136
Fluoride	mg/L	4	2	0.2	0.2	0.3	0.3	4	0	0.2	0.3	0.25	0.057735
Magnesium, Dissolved	mg/L			106	96.4	125	129	4	0	96.4	129	114.1	15.488921
Nitrogen, Ammonia as N	mg/L			0.2	0.3	0.2	0.2	4	0	0.2	0.3	0.225	0.05
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			16.9	16.2	16.5	17.6	4	0	16.2	17.6	16.8	0.6055301
Silica	mg/L			7.5	6	8	4	4	0	4	8	6.375	1.7969882
Sodium, Dissolved	mg/L			80 d	86.1 d	90.3	90 d	4	0	80	90.3	86.6	4.7979162
Sulfate, Total	mg/L		250	1440 d	1180 d	1310 d	1230 d	4	0	1180	1440	1290	113.43133
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	0.001	4	3	<0.001	0.001	0.000625	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	0.08	<0.01	<0.01	0.01	4	2	<0.01	0.08	0.025	0.0367423
Iron, Dissolved	mg/L		0.3	1.95	4.39	3.22	3.03	4	0	1.95	4.39	3.1475	0.999479
Lead, Dissolved	mg/L			0.008	<0.001	<0.001	0.002	4	2	<0.001	0.008	0.00275	0.0035707
Manganese, Dissolved	mg/L		0.05	1.51	1.15	1.62	1.74	4	0	1.15	1.74	1.505	0.2546239
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.005	<0.001	4	4	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.002	0.0015	0.0015	0.0016	4	0	0.0015	0.002	0.00165	0.000238
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.11	0.07	0.03	0.03	4	0	0.03	0.11	0.06	0.0382971
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.002	0.002	2	0	0.002	0.002	0.002	0
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.001	<0.005	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	0.01	2	1	<0.01	0.01	0.0075	0.0035355
Iron, Total	mg/L		0.3	NM	NM	11.9	13	2	0	11.9	13	12.45	0.7778175
Lead, Total	mg/L			NM	NM	0.005	0.002	2	0	0.002	0.005	0.0035	0.0021213
Manganese, Total	mg/L		0.05	NM	NM	1.82	1.65	2	0	1.65	1.82	1.735	0.1202082
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.0001	<0.0002	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	5.2	5.4	2	0	5.2	5.4	5.3	0.1414214
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0018	0.0018	2	0	0.0018	0.0018	0.0018	0

Dewey-Burdock Hydro ID				619	619	619	619	Summary Statistics for Hydro ID 619					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/27/2007 5:45:00 PM	11/12/2007 2:25:00 PM	3/24/2008 3:40:00 PM	6/17/2008 6:10:00 PM						
Lab ID				R07090385 -001	R07110146 -008	R08030253 -002	R08060335 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	0.18 d	0.08	2	0	0.08	0.18	0.13	0.0707107
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		367	341	438	398	4	0	341	438	386	41.769207
Gross Beta, Dissolved	pCi/L			117	170	175	144	4	0	117	175	151.5	26.71454
Gross Gamma, Dissolved	pCi/L			120	4200	25	270	4	0	25	4200	1153.75	2033.3362
Lead 210, Dissolved	pCi/L			<1	<1	19 b	-1.1 j	4	2	<1	19	4.725	9.546509
Polonium 210, Dissolved	pCi/L			<1	<1	1.9	-0.1 j	4	2	<1	1.9	0.7	0.8485281
Radium 226, Dissolved	pCi/L	5		120	100	99.7	110	4	0	99.7	120	107.425	9.6534536
Thorium 230, Dissolved	pCi/L			0.5	<0.2	0 j	0 j	4	1	<0.2	0.5	0.15	0.2380476
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	11 b	2 j	4	2	<1	11	3.5	5.0497525
Polonium 210, Suspended	pCi/L			<1	<1	0.1 j	0.4 j	4	2	<1	0.4	0.375	0.1892969
Radium 226, Suspended	pCi/L	5		<0.2	3.5	11.4	8.8	4	1	<0.2	11.4	5.95	5.1006536
Thorium 230, Suspended	pCi/L			<0.2	0.2	0.2	0 j	4	1	<0.2	0.2	0.125	0.0957427
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		120	NM	NM	NM	1	0	120	120	120	---
Radon 222, Total	pCi/L				2990	5580	5770	3	0	2990	5770	4780	1553.0937
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-1.34	-2.56	3.41	9.08	4	0	-2.56	9.08	2.1475	5.2907679
Anions	meq/l			28.7	26.8	29.9	28.3	4	0	26.8	29.9	28.425	1.278997
Cations	meq/l			27.9	25.5	32	34	4	0	25.5	34	29.85	3.8544347
Solids, Total Dissolved Calculated	mg/L			1830	1720	1980	1940	4	0	1720	1980	1867.5	117.0114
TDS Balance (0.80 - 1.20)	dec. %			1.14	1.09	1.05	1.02	4	0	1.02	1.14	1.075	0.0519615

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				622	622	622	622	622	622	622	622
Month Sampled				Apr-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				4/1/2008 2:56:00 PM	4/21/2008 3:28:00 PM	5/28/2008 6:26:00 PM	6/25/2008 12:05:00 PM	7/14/2008 12:35:00 PM	8/20/2008 12:59:00 PM	9/22/2008 4:00:00 PM	10/20/2008 3:42:00 PM
Lab ID				R08040028 -003	R08040250 -003	R08050406 -004	R08060452 -001	R08070244 -001	R08080332 -003	R08090314 -004	R08100295 -006
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1042	1348	1311	1388	1371	1252	1250	1400
Field Dissolved Oxygen	mg/L			NM	0.14	0.12	0.1	0.11	0.21	NM	NM
Field pH	s.u.		6.5-8.5	8.49	7.76	7.62	7.6	7.32	7.09	7.53	7.53
Field Temperature	Deg C			12.55	14.32	14.32	14.37	14.75	14.56	14.37	14.2
Field Turbidity	NTUs			6.2	70.9	30.8	1.3	5.1	4.7	NM	NM
Water Level Elevation	ft AMSL			3709.1	3709.52	3709.32	3709.14	3709.29	3709.01	3708.96	3708.74
Physical Properties											
Conductivity @ 25 C	umhos/cm			1260	1330	1220	1410	1290	1460	1270	1390
Oxidation-Reduction Potential	mV			200	340	200	240	110	210	200	200
pH, Laboratory	s.u.		6.5-8.5	8.15	7.85	7.52	7.95	7.68	7.84	7.78	7.95
Sodium Adsorption Ratio (SAR)	unitless			11	4.1	4.1	4	4.4	4.1	4.1	4.2
Solids, Total Dissolved TDS @ 180 C	mg/L		500	800	940	890	900	950	920	910	920
Major Ions											
Alkalinity, Total as CaCO3	mg/L			164	180	178	178	182	184	182	178
Bicarbonate as HCO3	mg/L			200	219	217	217	222	224	222	217
Calcium, Dissolved	mg/L			11.2	87.6	97.5	89.6	85.9	95.2	91.9	87.9
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	12	10	10	10	10	10	10	10
Fluoride	mg/L	4	2	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.4
Magnesium, Dissolved	mg/L			7.1	32	32.7	31.2	29.1	32.3	31.8	29.9
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			11.3	10.3	10.6	10.2	14.1	10.6	10.3	10.2
Silica	mg/L			1.2	7.5	4	3.9	1.9	3.9	8.9	8.4
Sodium, Dissolved	mg/L			179	175	182 d	174 d	185	183 d	180	179 d
Sulfate, Total	mg/L		250	470 d	487	493 d	481	478 d	504 d	528 d	510 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	0.03	<0.03
Lead, Dissolved	mg/L			<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.02	0.18	0.2	0.19	0.19	0.19	0.19	0.18
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	0.0054	0.0056	0.0051	0.0052	0.005	0.0055	0.0052
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	0.0008	0.0005	<0.0003	<0.0003	<0.0003	<0.0003	0.0004
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.001	0.006	0.006	0.004	0.027	0.002	0.002	0.006 l
Barium, Total	mg/L	2		<0.1	<0.1	0.2	0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.96	7.34	10.7	5.17	0.91	1	1.18	1.21
Lead, Total	mg/L			0.004	0.026	0.023	0.03 d	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.02	0.23	0.25	0.22	0.19	0.19	0.19	0.18
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	0.002 d	<0.002	<0.001	<0.005	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			<0.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	0.0065	0.0068	0.0059	0.0054	0.005	0.005	0.0059
Zinc, Total	mg/L		5	0.03	0.22	0.25	0.13	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved											

Dewey-Burdock Hydro ID				622	622	622	622	622	622	622	622
Month Sampled				Apr-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				4/1/2008 2:56:00 PM	4/21/2008 3:28:00 PM	5/28/2008 6:26:00 PM	6/25/2008 12:05:00 PM	7/14/2008 12:35:00 PM	8/20/2008 12:59:00 PM	9/22/2008 4:00:00 PM	10/20/2008 3:42:00 PM
Lab ID				R08040028 -003	R08040250 -003	R08050406 -004	R08060452 -001	R08070244 -001	R08080332 -003	R08090314 -004	R08100295 -006
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Gross Alpha, Dissolved	pCi/L	15		15	22.6	32.6	36.4	31.2	27.7	1470	29.3
Gross Beta, Dissolved	pCi/L			9.2	16.2	11.9	22.5	10	12.4	678	20
Gross Gamma, Dissolved	pCi/L			0 j	0 j	150	0 j	0 j	0 j	0 j	130
Lead 210, Dissolved	pCi/L			-3.5 j	-4.1 j	1.2 j	-2 j	2.6 j	0.1 j	-1 j	3.2 j
Polonium 210, Dissolved	pCi/L			0.8 j	1.1	-0.3 j	0.2 j	0.4 j	0.3 j	-0.1 j	0 j
Radium 226, Dissolved	pCi/L	5		2.3	2.7	3.2	4.1	2.9	4.4	3	2.7
Thorium 230, Dissolved	pCi/L			0.1 j	0 j	0 j	0 j	0 j	0 j	<0.2	0.1 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	0 j	-0.9 j	3.5 j	-1 j	-4 j	0.2 j	-1 j
Polonium 210, Suspended	pCi/L			0 j	2.8	2.5	1	2.8	0.2 j	0.39 j	0.3 j
Radium 226, Suspended	pCi/L	5		0.7	0.9	1	-0.2 j	-0.4 j	-0.2 j	-0.2 j	-0.2 j
Thorium 230, Suspended	pCi/L			0.2	0.1 j	0.1 j	0 j	0 j	-0.1 j	-0.1 j	0 j
Radionuclides, Total											
Radon 222, Total	pCi/L			501	1090	804	1950	824	1370	992	1360
Data Quality Parameters											
A/C Balance (± 5)	%			-18.5	3.01	5.53	3.53	4.15	3.93	1.2	1.37
Anions	meq/l			13.4	14	14.1	13.9	13.9	14.5	15	14.5
Cations	meq/l			9.23	14.9	15.8	14.9	15.1	15.7	15.3	14.9
Solids, Total Dissolved Calculated	mg/L			793	931	944	914	918	957	986	957
TDS Balance (0.80 - 1.20)	dec. %			1.01	1.01	0.95	0.99	1.03	0.96	0.92	0.96

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				622	622	622	622	Summary Statistics for Hydro ID 622					
Month Sampled				Nov-08	Dec-08	Jan-08	Feb-08						
Date and Time Collected				11/18/2008 2:30:00 PM	12/17/2008 2:20:00 PM	1/20/2009 10:51:00 AM	2/24/2009 3:31:00 PM						
Lab ID				R08110211 -014	R08120255 -008	R09010301 -002	R09020293 -008						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1390	1400	1390	1370	12	0	1042	1400	1326	104.2575
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	5	0	0.1	0.21	0.136	0.043932
Field pH	s.u.		6.5-8.5	7.52	8.04	7.56	7.66	12	0	7.09	8.49	7.64	0.350203
Field Temperature	Deg C			14.9	12.2	14.1	14.7	12	0	12.2	14.9	14.11	0.847326
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	1.3	70.9	19.83	27.21585
Water Level Elevation	ft AMSL			3708.61	3708.82	3708.74	3708.98	12	0	3708.61	3709.52	3709.02	0.270335
Physical Properties													
Conductivity @ 25 C	umhos/cm			1180	1220	1310	1230	12	0	1180	1460	1297.5	86.03646
Oxidation-Reduction Potential	mV			280	250	270	130	12	0	110	340	219.167	63.02356
pH, Laboratory	s.u.		6.5-8.5	8.01	7.46	7.46	7.58	12	0	7.46	8.15	7.769	0.229048
Sodium Adsorption Ratio (SAR)	unitless			4.1	4.4	4.1	3.9	12	0	3.9	11	4.708	1.986527
Solids, Total Dissolved TDS @ 180 C	mg/L		500	890	880	900	900	12	0	800	950	900	37.65875
Major Ions													
Alkalinity, Total as CaCO3	mg/L			180	146	176	178	12	0	146	184	175.5	10.5529
Bicarbonate as HCO3	mg/L			219	178	215	217	12	0	178	224	213.92	12.8166
Calcium, Dissolved	mg/L			92.4	73	84.7	85 d	12	0	11.2	97.5	81.825	23.09932
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	11	10	10	10	12	0	10	12	10.25	0.621582
Fluoride	mg/L	4	2	0.4	0.3	0.6	0.5	12	0	0.3	0.6	0.43	0.088763
Magnesium, Dissolved	mg/L			31.7	31.4	29.7	30.5	12	0	7.1	32.7	29.12	7.021504
Nitrogen, Ammonia as N	mg/L			<0.1	0.1	<0.1	<0.1	12	11	<0.1	0.1	0.05	0.014434
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.08	0.0525	0.00866
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			10.5	10.4	12.2	10.8	12	0	10.2	14.1	10.96	1.142134
Silica	mg/L			8.5	5.8	7.4	7.3	12	0	1.2	8.9	5.725	2.664966
Sodium, Dissolved	mg/L			180 d	178 d	173	167	12	0	167	185	177.92	4.96274
Sulfate, Total	mg/L		250	480 d	476 d	499 d	495 d	12	0	470	528	491.75	16.64673
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.001	0.00	0.000195
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.09	<0.03	<0.03	12	9	<0.03	0.09	0.02375	0.021651
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.001	0.00	0.000195
Manganese, Dissolved	mg/L		0.05	0.17	0.28	0.17	0.18	12	0	0.02	0.28	0.18	0.057656
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0055	<0.0003	0.0029	0.0053	12	2	<0.0003	0.0056	0.00425	0.002043
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.01	0.001443
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	0.0003	<0.0003	12	8	<0.0003	0.0008	0.000	0.000209
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.001	0.003 d	0.004 l	12	0	0.001	0.027	0.005	0.007075
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.2	0.067	0.044381
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.002	<0.002	<0.002
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	11	<0.1	0.1	0.058	0.019462
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.95	11	4.06	1.4	12	0	0.91	11	3.823	3.880397
Lead, Total	mg/L			<0.001	0.005	0.008	0.002	12	5	<0.001	0.03	0.008375	0.011174
Manganese, Total	mg/L		0.05	0.18	0.27	0.19	0.2 d	12	0	0.02	0.27	0.1925	0.061515
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.002	<0.001	12	11	<0.001	0.002	0.000875	0.000678
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.5	1.1	1.6	1.6	12	1	<0.1	1.6	1.421	0.455002
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0051	<0.0003	0.0056	0.0051	12	2	<0.0003	0.0068	0.005	0.00221
Zinc, Total	mg/L		5	<0.01	<0.01	0.08	0.01	12	5	<0.01	0.25	0.063	0.089404
Radionuclides, Dissolved													

Dewey-Burdock Hydro ID				622	622	622	622	Summary Statistics for Hydro ID 622					
Month Sampled				Nov-08	Dec-08	Jan-08	Feb-08						
Date and Time Collected				11/18/2008 2:30:00 PM	12/17/2008 2:20:00 PM	1/20/2009 10:51:00 AM	2/24/2009 3:31:00 PM						
Lab ID				R08110211 -014	R08120255 -008	R09010301 -002	R09020293 -008						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Gross Alpha, Dissolved	pCi/L	15		32.6	6.8	36.4	44.3	12	0	6.8	1470	148.742	416.2091
Gross Beta, Dissolved	pCi/L			17.6	9.6	16	19.7	12	0	9.2	678	70.258	191.4405
Gross Gamma, Dissolved	pCi/L			910	0 j	160	0 j	12	0	0	910	112.5	259.5845
Lead 210, Dissolved	pCi/L			-2 j	2.5 j	0.3 j	0.7 j	12	0	-4.1	3.2	-0.167	2.393299
Polonium 210, Dissolved	pCi/L			0.1 j	0 j	0.063 j	0.16 j	12	0	-0.3	1.1	0.227	0.388666
Radium 226, Dissolved	pCi/L	5		2.9	1.3	2.9	7.9	12	0	1.3	7.9	3.358	1.631206
Thorium 230, Dissolved	pCi/L			0.1 j	0.1 j	0 j	-0.01 j	12	1	<0.2	0.1	0.041	0.052303
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			0 j	3.1 j	8.1 j	0.1 j	12	0	-4	8.1	0.675	3.028088
Polonium 210, Suspended	pCi/L			0.24 j	0 j	0.77	0.3 j	12	0	0	2.8	0.942	1.100073
Radium 226, Suspended	pCi/L	5		-0.1 j	0.8	0.2 j	0.5	12	0	-0.4	1	0.233	0.514045
Thorium 230, Suspended	pCi/L			0.1 j	-0.2 j	0.1 j	-0.09 j	12	0	-0.2	0.2	0.009	0.115637
Radionuclides, Total													
Radon 222, Total	pCi/L			1280	50.2 j	1180	1360	12	0	50.2	1950	1063.433	485.2171
Data Quality Parameters													
A/C Balance (± 5)	%			4.85	4.09	1.07	0.62	12	0	-18.5	5.53	1.24	6.42254
Anions	meq/l			13.9	13.1	14.2	14.2	12	0	13.1	15	14.06	0.499924
Cations	meq/l			15.4	14.3	14.5	14.3	12	0	9.23	15.8	14.53	1.738961
Solids, Total Dissolved Calculated	mg/L			938	883	934	925	12	0	793	986	923.33	48.37417
TDS Balance (0.80 - 1.20)	dec. %			0.95	0.99	0.97	0.97	12	0	0.92	1.03	0.98	0.031176

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				628	628	628	628	Summary Statistics for Hydro ID 628					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 9:23:00 AM	11/14/2007 10:59:00 AM	2/20/2008 6:30:00 PM	5/29/2008 3:02:00 PM						
Lab ID				R07100002 -001	R07110184 -001	R08020220 -005	R08050419 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1713	1302	1405	1502	4	0	1302	1713	1480.5	175.19608
Field Dissolved Oxygen	mg/L			NM	NM	NM	0.07	1	0	0.07	0.07	0.07	---
Field pH	s.u.		6.5-8.5	8.65	8.16	7.94	8.24	4	0	7.94	8.65	8.2475	0.2968024
Field Temperature	Deg C			NM	13.32	15.56	15.78	3	0	13.32	15.78	14.886667	1.3612249
Field Turbidity	NTUs			NM	3.7	NM	-0.1	2	0	-0.1	3.7	1.8	2.6870058
Water Level Elevation	ft AMSL			3695.72	3694.86	3696.07	3695.87	4	0	3694.86	3696.07	3695.63	0.532979
Physical Properties													
Conductivity @ 25 C	umhos/cm			2490	1800	1510	1640	4	0	1510	2490	1860	436.42487
Oxidation-Reduction Potential	mV			NM	96	110	180	3	0	96	180	128.66667	45.003704
pH, Laboratory	s.u.		6.5-8.5	8.66	7.77	8.32	8.21	4	0	7.77	8.66	8.24	0.367242
Sodium Adsorption Ratio (SAR)	unitless			NM	7.6	9.2	10	3	0	7.6	10	8.9333333	1.2220202
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1800	1300	920	980	4	0	920	1800	1250	402.82337
Major Ions													
Alkalinity, Total as CaCO3	mg/L			134	160	162	160	4	0	134	162	154	13.366625
Bicarbonate as HCO3	mg/L			154	195	193	195	4	0	154	195	184.25	20.188693
Calcium, Dissolved	mg/L			24 d	43.2	50	40.1	4	0	24	50	39.325	11.021608
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	82	35	29	42 d	4	0	29	82	47	23.930455
Fluoride	mg/L	4	2	0.5	0.4	0.4	0.5	4	0	0.4	0.5	0.45	0.057735
Magnesium, Dissolved	mg/L			11.4	16.9	20.6	17.5	4	0	11.4	20.6	16.6	3.8270964
Nitrogen, Ammonia as N	mg/L			0.6	0.2	0.2	0.2	4	0	0.2	0.6	0.3	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.8	8.5	9.3	8.2	4	0	8.2	9.3	8.7	0.4690416
Silica	mg/L			4.5	7.2	5	4	4	0	4	7.2	5.175	1.4103782
Sodium, Dissolved	mg/L			435 d	233 d	306 d	307 d	4	0	233	435	320.25	83.981645
Sulfate, Total	mg/L		250	1030 d	635 d	651	515 d	4	0	515	1030	707.75	223.24183
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	0.001	4	1	<0.001	0.001	0.000875	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	<0.1	0.2	0.2	4	1	<0.1	0.4	0.2125	0.1436141
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.11	<0.03	<0.03	<0.03	4	3	<0.03	0.11	0.03875	0.0475
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.06	0.15	0.09	0.08	4	0	0.06	0.15	0.095	0.0387298
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.002	<0.001	<0.001	<0.001	4	3	<0.001	0.002	0.000875	0.00075
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0017	0.0034	0.003	0.0027	4	0	0.0017	0.0034	0.0027	0.0007257
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.01	<0.01	<0.01	<0.01	4	3	<0.01	0.01	0.00625	0.0025
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.004 d	2	0	0.001	0.004	0.0025	0.0021213
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	0.1	2	1	<0.1	0.1	0.075	0.0353553
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	0.7	0.66	2	0	0.66	0.7	0.68	0.0282843
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.09	0.08	2	0	0.08	0.09	0.085	0.0070711
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	0.9	0.9	2	0	0.9	0.9	0.9	0
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0031	0.0029	2	0	0.0029	0.0031	0.003	0.0001414

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				628	628	628	628	Summary Statistics for Hydro ID 628					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 9:23:00 AM	11/14/2007 10:59:00 AM	2/20/2008 6:30:00 PM	5/29/2008 3:02:00 PM						
Lab ID				R07100002 -001	R07110184 -001	R08020220 -005	R08050419 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		29.9	83.9	64.5	39	4	0	29.9	83.9	54.325	24.560453
Gross Beta, Dissolved	pCi/L			14	47.1	19	11.4	4	0	11.4	47.1	22.875	16.455065
Gross Gamma, Dissolved	pCi/L			<20	1100	440	260	4	1	<20	1100	452.5	466.28854
Lead 210, Dissolved	pCi/L			<1	<1	14	0.1 j	4	2	<1	14	3.775	6.8192742
Polonium 210, Dissolved	pCi/L			<1	2.7	1.3	-0.5 j	4	1	<1	2.7	1	1.3515423
Radium 226, Dissolved	pCi/L	5		7.4	20.7	9	6.1	4	0	6.1	20.7	10.8	6.705719
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	1.2	0.5 j	4	2	<1	1.2	0.675	0.35
Polonium 210, Suspended	pCi/L			6.4	<1	<1	0.1 j	4	2	<1	6.4	1.875	3.0225541
Radium 226, Suspended	pCi/L	5		<0.2	0.3	1.7	-0.3 j	4	1	<0.2	1.7	0.45	0.8698659
Thorium 230, Suspended	pCi/L			<0.2	0.3	<0.2	0.1 j	4	2	<0.2	0.3	0.15	0.1
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			6.4	NM	NM	NM	1	0	6.4	6.4	6.4	---
Radium 226, Total	pCi/L	5		6.8	NM	NM	NM	1	0	6.8	6.8	6.8	---
Radon 222, Total	pCi/L			NM	2740	4360	5040	3	0	2740	5040	4046.6667	1181.5809
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.9	-1.74	0.362	5.86	4	0	-4.9	5.86	-0.1045	4.5263879
Anions	meq/l			23.5	14.4	17.6	15.2	4	0	14.4	23.5	17.675	4.1145069
Cations	meq/l			21.3	13.9	17.8	17	4	0	13.9	21.3	17.5	3.0408332
Solids, Total Dissolved Calculated	mg/L			1530	923	1180	1040	4	0	923	1530	1168.25	263.05687
TDS Balance (0.80 - 1.20)	dec. %			1.15	1.44	0.78	0.95	4	0	0.78	1.44	1.08	0.2836665

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				631	631	631	631	Summary Statistics for Hydro ID 631					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 4:40:00 PM	11/14/2007 3:20:00 PM	2/20/2008 1:55:00 PM	5/19/2008 11:06:00 AM						
Lab ID				R07090384 -004	R07110184 -004	R08020220 -003	R08050251 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1471	2279	2234	2322	4	0	1471	2322	2076.5	405.26247
Field Dissolved Oxygen	mg/L			7.09	1.67	0.05	0.12	4	0	0.05	7.09	2.2325	3.323536
Field pH	s.u.		6.5-8.5	7.7	NM	7.21	7.23	3	0	7.21	7.7	7.38	0.2773085
Field Temperature	Deg C			NM	11.54	11.29	11.82	3	0	11.29	11.82	11.55	0.2651415
Field Turbidity	NTUs			NM	0.6	0.1	0	3	0	0	0.6	0.2333333	0.321455
Water Level Elevation	ft AMSL			3715.79	3715.85	3715.68	3713.64	4	0	3713.64	3715.85	3715.24	1.0689871
Physical Properties													
Conductivity @ 25 C	umhos/cm			2180	2170	2420	2530	4	0	2170	2530	2325	178.97858
Oxidation-Reduction Potential	mV			NM	<0	180	230	3	1	<0	230	136.66667	120.96832
pH, Laboratory	s.u.		6.5-8.5	7.76	7.23	7.6	7.54	4	0	7.23	7.76	7.5325	0.2220173
Sodium Adsorption Ratio (SAR)	unitless			NM	1.2	0.99	1.2	3	0	0.99	1.2	1.13	0.1212436
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1900	2000	2000	2000	4	0	1900	2000	1975	50
Major Ions													
Alkalinity, Total as CaCO3	mg/L			168	160	158	164	4	0	158	168	162.5	4.4347116
Bicarbonate as HCO3	mg/L			205	195	193	200	4	0	193	205	198.25	5.3774219
Calcium, Dissolved	mg/L			268	307 d	324 d	375	4	0	268	375	318.5	44.365903
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	10	10	8	10	4	0	8	10	9.5	1
Fluoride	mg/L	4	2	0.3	0.3	0.2	0.5	4	0	0.2	0.5	0.325	0.1258306
Magnesium, Dissolved	mg/L			82.9	89.3	82.6	110	4	0	82.6	110	91.2	12.908653
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			15.9	15.7	15.7	16.3	4	0	15.7	16.3	15.9	0.2828427
Silica	mg/L			7.2	7.8	6.9	3.5	4	0	3.5	7.8	6.35	1.9364917
Sodium, Dissolved	mg/L			92.4 d	92.9 d	77.1 d	107 d	4	0	77.1	107	92.35	12.213244
Sulfate, Total	mg/L		250	1240 d	1220 d	1250 d	1250 d	4	0	1220	1250	1240	14.142136
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	<0.001	<0.001	4	3	<0.001	0.001	0.000625	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.2	<0.1	0.1	0.2	4	1	<0.1	0.2	0.1375	0.075
Cadmium, Dissolved	mg/L	0.005		<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.84	0.57	0.39	4	1	<0.03	0.84	0.45375	0.3460582
Lead, Dissolved	mg/L			<0.05	<0.001	<0.001	<0.001	4	4	<0.001	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L		0.05	0.28	0.29	0.3	0.33	4	0	0.28	0.33	0.3	0.0216025
Mercury, Dissolved	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.002	<0.001	<0.001	<0.005	4	3	<0.001	0.002	0.001375	0.0010308
Silver, Dissolved	mg/L		0.1	<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.001	<0.005	<0.005	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0027	0.0029	0.0027	0.0026	4	0	0.0026	0.0029	0.002725	0.0001258
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	<0.001	0.002	2	1	<0.001	0.002	0.00125	0.0010607
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	0.1	0.2	2	0	0.1	0.2	0.15	0.0707107
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.001	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	1.06	0.98	2	0	0.98	1.06	1.02	0.0565685
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.28	0.32	2	0	0.28	0.32	0.3	0.0282843
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.002	<0.001	2	1	<0.001	0.002	0.00125	0.0010607
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	5.6	6.8	2	0	5.6	6.8	6.2	0.8485281
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.003	NM	0.0026	0.0028	3	0	0.0026	0.003	0.0028	0.0002

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				631	631	631	631	Summary Statistics for Hydro ID 631					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 4:40:00 PM	11/14/2007 3:20:00 PM	2/20/2008 1:55:00 PM	5/19/2008 11:06:00 AM						
Lab ID				R07090384 -004	R07110184 -004	R08020220 -003	R08050251 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	0.01	2	1	<0.01	0.01	0.0075	0.0035355
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		51	46.5	162	60.7	4	0	46.5	162	80.05	54.953708
Gross Beta, Dissolved	pCi/L			20.9	29.4	52.1	26.2	4	0	20.9	52.1	32.15	13.754151
Gross Gamma, Dissolved	pCi/L			520	1900	510	130	4	0	130	1900	765	778.13881
Lead 210, Dissolved	pCi/L			<1	<1	6.1	0.5 j	4	2	<1	6.1	1.9	2.8
Polonium 210, Dissolved	pCi/L			<1	3.5	<1	0.2 j	4	2	<1	3.5	1.175	1.5564382
Radium 226, Dissolved	pCi/L	5		12.9	9.5	19.4	22.1	4	0	9.5	22.1	15.975	5.7915887
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	7.5	-1.4 j	4	2	<1	7.5	1.775	3.9203529
Polonium 210, Suspended	pCi/L			<1	<1	<1	0.1 j	4	3	<1	0.1	0.4	0.2
Radium 226, Suspended	pCi/L	5		2.3	<0.2	<0.9	-0.3 j	4	2	<0.2	2.3	0.6375	1.1499094
Thorium 230, Suspended	pCi/L			<0.2	<0.2	0.6	0 j	4	2	<0.2	0.6	0.2	0.2708013
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		15.2	NM	NM	NM	1	0	15.2	15.2	15.2	---
Radon 222, Total	pCi/L			NM	4220	3920	4430	3	0	3920	4430	4190	256.32011
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.28	-3.03	-4.87	5.08	4	0	-4.87	5.08	-1.775	4.6339364
Anions	meq/l			26.9	28.9	29.5	29.7	4	0	26.9	29.7	28.75	1.2793227
Cations	meq/l			24.7	27.2	26.8	32.8	4	0	24.7	32.8	27.875	3.4615748
Solids, Total Dissolved Calculated	mg/L			1690	1830	1880	1980	4	0	1690	1980	1845	120.69245
TDS Balance (0.80 - 1.20)	dec. %			1.11	1.09	1.05	1.02	4	0	1.02	1.11	1.0675	0.0403113

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				650	650	650	650	Summary Statistics for Hydro ID 650					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 7:00:00 PM	11/12/2007 3:30:00 PM	3/24/2008 9:00:00 AM	5/30/2008 4:30:00 PM						
Lab ID				R07100002 -010	R07110146 -009	R08030253 -001	R08050427 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1669	1951	1553	1452	4	0	1452	1951	1656.25	215.57578
Field Dissolved Oxygen	mg/L			NM	1.35	2.42	NM	2	0	1.35	2.42	1.885	0.7566043
Field pH	s.u.		6.5-8.5	7.67	7.3	7.79	7.39	4	0	7.3	7.79	7.5375	0.2305609
Field Temperature	Deg C			11.9	11.79	11.7	12.64	4	0	11.7	12.64	12.0075	0.4295249
Field Turbidity	NTUs			NM	40.9	18	29	3	0	18	40.9	29.3	11.452947
Water Level Elevation	ft AMSL			3682.35	3682.35	3681.92	3682	4	0	3681.92	3682.35	3682.155	0.2275229
Physical Properties													
Conductivity @ 25 C	umhos/cm			2260	1770	1540	1700	4	0	1540	2260	1817.5	310.30899
Oxidation-Reduction Potential	mV			NM	190	120	200	3	0	120	200	170	43.588989
pH, Laboratory	s.u.		6.5-8.5	7.04	7.22	7.4	7.3	4	0	7.04	7.4	7.24	0.1523155
Sodium Adsorption Ratio (SAR)	unitless			NM	1.9	2.3	2.1	3	0	1.9	2.3	2.1	0.2
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2000	1600	1300	1400	4	0	1300	2000	1575	309.56959
Major Ions													
Alkalinity, Total as CaCO3	mg/L			116	108	30	30	4	0	30	116	71	47.455242
Bicarbonate as HCO3	mg/L			141	132	37	37	4	0	37	141	86.75	57.563733
Calcium, Dissolved	mg/L			219 d	221	101	125	4	0	101	221	166.5	62.553977
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	17	16	19	16	4	0	16	19	17	1.4142136
Fluoride	mg/L	4	2	<0.1	<0.1	0.1	0.1	4	2	<0.1	0.1	0.075	0.0288675
Magnesium, Dissolved	mg/L			85.2	100	62.3	70.6	4	0	62.3	100	79.525	16.611116
Nitrogen, Ammonia as N	mg/L			0.6	0.6	0.4	0.4	4	0	0.4	0.6	0.5	0.1154701
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			17.6	18.1	14.5	15.6	4	0	14.5	18.1	16.45	1.6901676
Silica	mg/L			2.7	1.1	0.9	<0.5	4	1	<0.5	2.7	1.2375	1.0403325
Sodium, Dissolved	mg/L			110 d	139 d	121	119 d	4	0	110	139	122.25	12.148388
Sulfate, Total	mg/L		250	1320 d	1000 d	801 d	825 d	4	0	801	1320	986.5	239.3721
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	0.6	<0.1	<0.1	<0.1	4	3	<0.1	0.6	0.1875	0.275
Arsenic, Dissolved	mg/L	0.01		0.002	<0.001	<0.001	<0.001	4	3	<0.001	0.002	0.000875	0.00075
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.1	0.1	4	2	<0.1	0.1	0.075	0.0288675
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	13.2	0.68	0.06	0.1	4	0	0.06	13.2	3.51	6.4662096
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.44	1.39	0.43	0.94	4	0	0.43	2.44	1.3	0.8552193
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.002	<0.001	<0.005	<0.001	4	3	<0.001	0.002	0.001375	0.0010308
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0019	<0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0019	0.0005875	0.000875
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.02	<0.01	<0.01	<0.01	4	3	<0.01	0.02	0.00875	0.0075
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0014	<0.0003	0.0033	<0.0003	4	2	<0.0003	0.0033	0.00125	0.0014883
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.002 d	2	0	0.001	0.002	0.0015	0.0007071
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	0.1	0.1	2	0	0.1	0.1	0.1	0
Cadmium, Total	mg/L	0.005		NM	NM	<0.001	<0.005	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	0.08	<0.01	2	1	<0.01	0.08	0.0425	0.053033
Iron, Total	mg/L		0.3	NM	NM	7.59	8.99	2	0	7.59	8.99	8.29	0.9899495
Lead, Total	mg/L			NM	NM	0.05	0.002	2	0	0.002	0.05	0.026	0.0339411
Manganese, Total	mg/L		0.05	NM	NM	0.56	0.66	2	0	0.56	0.66	0.61	0.0707107
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.0001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	2.1	2.6	2	0	2.1	2.6	2.35	0.3535534
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0004	<0.0003	2	1	<0.0003	0.0004	0.000275	0.0001768

Dewey-Burdock Hydro ID				650	650	650	650	Summary Statistics for Hydro ID 650					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 7:00:00 PM	11/12/2007 3:30:00 PM	3/24/2008 9:00:00 AM	5/30/2008 4:30:00 PM						
Lab ID				R07100002 -010	R07110146 -009	R08030253 -001	R08050427 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	0.07 d	0.02	2	0	0.02	0.07	0.045	0.0353553
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		13.1	5.6	2.9 j	2.1 j	4	0	2.1	13.1	5.925	5.012235
Gross Beta, Dissolved	pCi/L			20.9	20.1	12.5	10.8	4	0	10.8	20.9	16.075	5.1668011
Gross Gamma, Dissolved	pCi/L			1100	2200	<20	0 j	4	1	<20	2200	827.5	1050.5673
Lead 210, Dissolved	pCi/L			<1	1.4	24 b	1.5 j	4	1	<1	24	6.85	11.442173
Polonium 210, Dissolved	pCi/L			<1	<1	0.4 j	-0.2 j	4	2	<1	0.4	0.3	0.3366502
Radium 226, Dissolved	pCi/L	5		2.7	2.4	1.4	1.2	4	0	1.2	2.7	1.925	0.736546
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	0.4	0 j	4	2	<0.2	0.4	0.15	0.1732051
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	12 b	6.2 j	4	2	<1	12	4.8	5.500909
Polonium 210, Suspended	pCi/L			<1	<1	1.2	0.2 j	4	2	<1	1.2	0.6	0.4242641
Radium 226, Suspended	pCi/L	5		0.6	<0.2	0.7	-0.02 j	4	1	<0.2	0.7	0.345	0.3579106
Thorium 230, Suspended	pCi/L			<0.2	<0.2	0.8	0.2 j	4	2	<0.2	0.8	0.3	0.3366502
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		3.2	NM	NM	NM	1	0	3.2	3.2	3.2	---
Radon 222, Total	pCi/L			NM	134	202	254	3	0	134	254	196.66667	60.177515
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-3.87	4.96	-5.85	-1.4	4	0	-5.85	4.96	-1.54	4.7001631
Anions	meq/l			25.9	23.5	17.8	18.2	4	0	17.8	25.9	21.35	3.9937451
Cations	meq/l			23.9	26	15.9	17.7	4	0	15.9	26	20.875	4.8389909
Solids, Total Dissolved Calculated	mg/L			1630	1560	1140	1190	4	0	1140	1630	1380	250.73226
TDS Balance (0.80 - 1.20)	dec. %			1.21	1.01	1.11	1.13	4	0	1.01	1.21	1.115	0.0822598

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				675	675	675	675	Summary Statistics for Hydro ID 675					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 10:49:00 AM	11/27/2007 5:34:00 PM	2/5/2008 12:05:00 PM	4/29/2008 5:47:00 PM						
Lab ID				R07100002 -002	R07110303 -007	R08020052 -002	R08040364 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			6779	5534	6151	6164	4	0	5534	6779	6157	508.29716
Field Dissolved Oxygen	mg/L			NM	NM	0.91	0.73	2	0	0.73	0.91	0.82	0.1272792
Field pH	s.u.		6.5-8.5	7.03	7.18	7.17	7.08	4	0	7.03	7.18	7.115	0.0723418
Field Temperature	Deg C			15.18	12.63	NM	8.29	3	0	8.29	15.18	12.033333	3.4835375
Field Turbidity	NTUs			NM	NM	38.8	2.9	2	0	2.9	38.8	20.85	25.385133
Water Level Elevation	ft AMSL			3482.12	3482.31	3482.93	3482.88	4	0	3482.12	3482.93	3482.56	0.406366
Physical Properties													
Conductivity @ 25 C	umhos/cm			6090	5830	6340	6560	4	0	5830	6560	6205	315.22479
Oxidation-Reduction Potential	mV			NM	220	180	240	3	0	180	240	213.33333	30.550505
pH, Laboratory	s.u.		6.5-8.5	7.25	7.32	7.29	7.53	4	0	7.25	7.53	7.3475	0.125
Sodium Adsorption Ratio (SAR)	unitless			NM	6.2	6.5	6.6	3	0	6.2	6.6	6.4333333	0.2081666
Solids, Total Dissolved TDS @ 180 C	mg/L		500	5900	6100	6100	5700	4	0	5700	6100	5950	191.48542
Major Ions													
Alkalinity, Total as CaCO3	mg/L			378	352	388	422	4	0	352	422	385	28.959742
Bicarbonate as HCO3	mg/L			461	429	473	514	4	0	429	514	469.25	35.141381
Calcium, Dissolved	mg/L			400 d	410 d	439 d	450	4	0	400	450	424.75	23.599082
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	64	60 d	75 d	64	4	0	60	75	65.75	6.448514
Fluoride	mg/L	4	2	0.1	0.4	0.6	0.5	4	0	0.1	0.6	0.4	0.2160247
Magnesium, Dissolved	mg/L			339	362	376	408	4	0	339	408	371.25	28.860296
Nitrogen, Ammonia as N	mg/L			0.3	0.5	0.3	0.2	4	0	0.2	0.5	0.325	0.1258306
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	0.07	4	3	<0.1	0.07	0.055	0.01
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			28	25.2	24.5	21.7	4	0	21.7	28	24.85	2.5877919
Silica	mg/L			16	14.9	14.4	7.3	4	0	7.3	16	13.15	3.9568506
Sodium, Dissolved	mg/L			630 d	713 d	769 d	809 d	4	0	630	809	730.25	77.568787
Sulfate, Total	mg/L		250	3600 d	3420 d	3260 d	3810	4	0	3260	3810	3522.5	236.69601
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	0.001	4	1	<0.001	0.001	0.000875	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	0.3	0.4	0.3	4	0	0.3	0.4	0.35	0.057735
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.13	0.05	0.15	1.88	4	0	0.05	1.88	0.5525	0.886054
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.89	3.14	3.39	3.02	4	0	2.89	3.39	3.11	0.2127596
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.003	<0.001	0.001	<0.001	4	2	<0.001	0.003	0.00125	0.0011902
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0372	0.0307	0.0387	0.0493	4	0	0.0307	0.0493	0.038975	0.0077095
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.02	0.02	<0.01	<0.01	4	2	<0.01	0.02	0.0125	0.0086603
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	0.001	<0.001	3	2	<0.001	0.001	0.0006667	0.0002887
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0013	0.003	0.0005	<0.0003	4	1	<0.0003	0.003	0.0012375	0.0012698
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.002	0.002	2	0	0.002	0.002	0.002	0
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	0.3	2	1	<0.1	0.3	0.175	0.1767767
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	3.48	5.03	2	0	3.48	5.03	4.255	1.0960155
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	3.4	3.02	2	0	3.02	3.4	3.21	0.2687006
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.004	0.002	2	0	0.002	0.004	0.003	0.0014142
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	8.3	8.8	2	0	8.3	8.8	8.55	0.3535534
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				675	675	675	675	Summary Statistics for Hydro ID 675					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 10:49:00 AM	11/27/2007 5:34:00 PM	2/5/2008 12:05:00 PM	4/29/2008 5:47:00 PM						
Lab ID				R07100002 -002	R07110303 -007	R08020052 -002	R08040364 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		NM	NM	0.0387	0.0502	2	0	0.0387	0.0502	0.04445	0.0081317
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		18.8	18.3	29.3	55.2	4	0	18.3	55.2	30.4	17.293737
Gross Beta, Dissolved	pCi/L			18.5	<2	25.3	8 j	4	1	<2	25.3	13.2	10.807096
Gross Gamma, Dissolved	pCi/L			<20	1100	<20	0 j	4	2	<20	1100	280	546.68699
Lead 210, Dissolved	pCi/L			<1	6	<1	0 j	4	2	<1	6	1.75	2.8431204
Polonium 210, Dissolved	pCi/L			<1	<1	2.1	0.6 j	4	2	<1	2.1	0.925	0.7847505
Radium 226, Dissolved	pCi/L	5		<0.2	0.5	<0.2	0.2	4	2	<0.2	0.5	0.225	0.1892969
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			14	<1	<1	-19.2 j	4	2	<1	14	-1.05	13.671503
Polonium 210, Suspended	pCi/L			<1	2	<1	0.3 j	4	2	<1	2	0.825	0.7889867
Radium 226, Suspended	pCi/L	5		2.3	1.7	<0.2	0.7	4	1	<0.2	2.3	1.2	0.9865766
Thorium 230, Suspended	pCi/L			<0.2	1.3	<0.2	0 j	4	2	<0.2	1.3	0.375	0.6184658
Radionuclides, Total													
Lead 210, Total	pCi/L			14	NM	NM	NM	1	0	14	14	14	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		2.3	NM	NM	NM	1	0	2.3	2.3	2.3	---
Radon 222, Total	pCi/L			NM	712	783 h	960	3	0	712	960	818.33333	127.71975
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.99	1.35	5.71	1.42	4	0	-4.99	5.71	0.8725	4.4082527
Anions	meq/l			84.2	80	77.8	89.5	4	0	77.8	89.5	82.875	5.1532352
Cations	meq/l			76.2	82.2	87.2	92.1	4	0	76.2	92.1	84.425	6.8119381
Solids, Total Dissolved Calculated	mg/L			5280	5200	5180	5830	4	0	5180	5830	5372.5	308.04491
TDS Balance (0.80 - 1.20)	dec. %			1.11	1.17	1.18	0.97	4	0	0.97	1.18	1.1075	0.0967385

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				676	676	676	676	Summary Statistics for Hydro ID 676					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 1:46:00 PM	11/27/2007 12:20:00 PM	2/5/2008 4:57:00 PM	4/29/2008 12:27:00 PM						
Lab ID				R07100002 -005	R07110303 -002	R08020052 -007	R08040364 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			3251	2732	2942	2920	4	0	2732	3251	2961.25	214.92848
Field Dissolved Oxygen	mg/L			NM	NM	8.24	7.59	2	0	7.59	8.24	7.915	0.4596194
Field pH	s.u.		6.5-8.5	7.02	6.95	7.04	6.91	4	0	6.91	7.04	6.98	0.060553
Field Temperature	Deg C			12.17	10.63	9.94	10.22	4	0	9.94	12.17	10.74	0.9945518
Field Turbidity	NTUs			NM	NM	1000+	21.2	2	0	21.2	1000	510.6	692.11612
Water Level Elevation	ft AMSL			3644.26	3644.03	3643.9	3643.8	4	0	3643.8	3644.26	3643.9975	0.1987251
Physical Properties													
Conductivity @ 25 C	umhos/cm			2880	2860	3010	3100	4	0	2860	3100	2962.5	113.24752
Oxidation-Reduction Potential	mV			NM	250	230	280	3	0	230	280	253.33333	25.166115
pH, Laboratory	s.u.		6.5-8.5	7.13	7.17	7.2	7.46	4	0	7.13	7.46	7.24	0.1494434
Sodium Adsorption Ratio (SAR)	unitless			NM	0.92	0.96	0.93	3	0	0.92	0.96	0.9366667	0.0208167
Solids, Total Dissolved TDS @ 180 C	mg/L		500	3000	2900	2500	2600	4	0	2500	3000	2750	238.04761
Major Ions													
Alkalinity, Total as CaCO3	mg/L			240	228	208	220	4	0	208	240	224	13.466007
Bicarbonate as HCO3	mg/L			293	278	254	268	4	0	254	293	273.25	16.439282
Calcium, Dissolved	mg/L			465 d	514 d	518 d	561	4	0	465	561	514.5	39.264063
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	15	16	14	13	4	0	13	16	14.5	1.2909944
Fluoride	mg/L	4	2	0.2	0.2	0.4	0.3	4	0	0.2	0.4	0.275	0.0957427
Magnesium, Dissolved	mg/L			104	113	114	129	4	0	104	129	115	10.36018
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		1	1	0.7	0.76	4	0	0.7	1	0.865	0.1577973
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			11.6	12.3	12.7	10.9	4	0	10.9	12.7	11.875	0.7932003
Silica	mg/L			13.7	14.4	14.3	6.4	4	0	6.4	14.4	12.2	3.8790033
Sodium, Dissolved	mg/L			80 d	88.8 d	92.2 l	94 d	4	0	80	94	88.75	6.2190567
Sulfate, Total	mg/L		250	1790 d	1720 d	1670 d	1760	4	0	1670	1790	1735	51.961524
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	0.4	0.5	0.5	4	0	0.4	0.5	0.45	0.057735
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.02	<0.01	0.02	<0.01	4	2	<0.01	0.02	0.0125	0.0086603
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.017	0.014	0.012	0.009	4	0	0.009	0.017	0.013	0.0033665
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0494	0.0548	0.0586	0.0557	4	0	0.0494	0.0586	0.054625	0.0038422
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.03	<0.01	<0.01	4	3	<0.01	0.03	0.01125	0.0125
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	0.014	0.012	0.009	3	0	0.009	0.014	0.0116667	0.0025166
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0096	0.0011	0.0702	<0.0003	4	1	<0.0003	0.0702	0.0202625	0.0335617
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.021	<0.001	2	1	<0.001	0.021	0.01075	0.0144957
Barium, Total	mg/L	2		NM	NM	0.5	<0.1	2	1	<0.1	0.5	0.275	0.3181981
Beryllium, Total	mg/L	0.004		NM	NM	0.003	<0.001	2	1	<0.001	0.003	0.00175	0.0017678
Boron, Total	mg/L			NM	NM	0.5	0.4	2	0	0.4	0.5	0.45	0.0707107
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	0.05	<0.05	2	1	<0.05	0.05	0.0375	0.0176777
Copper, Total	mg/L		1	NM	NM	0.12	<0.01	2	1	<0.01	0.12	0.0625	0.0813173
Iron, Total	mg/L		0.3	NM	NM	66 d	0.57	2	0	0.57	66	33.285	46.265997
Lead, Total	mg/L			NM	NM	0.06	<0.001	2	1	<0.001	0.06	0.03025	0.0420729
Manganese, Total	mg/L		0.05	NM	NM	2.52	0.03	2	0	0.03	2.52	1.275	1.7606959
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	0.1	<0.05	2	1	<0.05	0.1	0.0625	0.053033
Selenium, Total	mg/L	0.05		NM	NM	0.013	0.012	2	0	0.012	0.013	0.0125	0.0007071
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	9.2	8.6	2	0	8.6	9.2	8.9	0.4242641
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				676	676	676	676	Summary Statistics for Hydro ID 676					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 1:46:00 PM	11/27/2007 12:20:00 PM	2/5/2008 4:57:00 PM	4/29/2008 12:27:00 PM						
Lab ID				R07100002 -005	R07110303 -002	R08020052 -007	R08040364 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		NM	NM	0.0687	0.0591	2	0	0.0591	0.0687	0.0639	0.0067882
Zinc, Total	mg/L		5	NM	NM	0.28	0.03	2	0	0.03	0.28	0.155	0.1767767
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		37.1	31.9	95.5	51.6	4	0	31.9	95.5	54.025	28.879217
Gross Beta, Dissolved	pCi/L			11.1	21.6	22.1	9.2 j	4	0	9.2	22.1	16	6.8024505
Gross Gamma, Dissolved	pCi/L			1100	1000	<20	0 j	4	1	<20	1100	527.5	604.72446
Lead 210, Dissolved	pCi/L			<1	<1	4.1	-0.9 j	4	2	<1	4.1	1.05	2.1377558
Polonium 210, Dissolved	pCi/L			<1	1.2	2.9	1.1	4	1	<1	2.9	1.425	1.0307764
Radium 226, Dissolved	pCi/L	5		<0.2	<0.2	<0.2	0.2	4	3	<0.2	0.2	0.125	0.05
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	3.8	-6.7 j	4	2	<1	3.8	-0.475	4.431986
Polonium 210, Suspended	pCi/L			<1	<1	2.2	0.1 j	4	2	<1	2.2	0.825	0.9358597
Radium 226, Suspended	pCi/L	5		<0.2	<0.2	11.4	NM	3	2	<0.2	11.4	3.8666667	6.524058
Thorium 230, Suspended	pCi/L			<0.2	<0.2	4.2	0 j	4	2	<0.2	4.2	1.1	2.0672042
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Radon 222, Total	pCi/L				453	686 h	755	3	0	453	755	631.33333	158.2477
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-3.7	-2.19	0.0941	1.76	4	0	-3.7	1.76	-1.008975	2.416639
Anions	meq/l			38.2	40.9	39.5	41.4	4	0	38.2	41.4	40	1.4445299
Cations	meq/l			35.5	39.1	39.5	430	4	0	35.5	430	136.025	195.99159
Solids, Total Dissolved Calculated	mg/L			2410	2600	2550	2720	4	0	2410	2720	2570	128.32251
TDS Balance (0.80 - 1.20)	dec. %			1.24	1.12	0.98	0.95	4	0	0.95	1.24	1.0725	0.1340087

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				677	677	677	677	Summary Statistics for Hydro ID 677					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 12:26:00 PM	11/27/2007 3:20:00 PM	2/5/2008 1:39:00 PM	4/29/2008 3:14:00 PM						
Lab ID				R07100002 -004	R07110303 -004	R08020052 -003	R08040364 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			12220	10253	11186	11363	4	0	10253	12220	11255.5	806.56742
Field Dissolved Oxygen	mg/L			NM	NM	0.55	1	2	0	0.55	1	0.775	0.3181981
Field pH	s.u.		6.5-8.5	6.88	6.9	6.91	6.32	4	0	6.32	6.91	6.7525	0.288603
Field Temperature	Deg C			13.31	11.33	7.67	8.1	4	0	7.67	13.31	10.1025	2.6908409
Field Turbidity	NTUs			NM	NM	6.1	1.4	2	0	1.4	6.1	3.75	3.3234019
Water Level Elevation	ft AMSL			3560.79	3561.18	3562.2	3562.67	4	0	3560.79	3562.67	3561.71	0.8734987
Physical Properties													
Conductivity @ 25 C	umhos/cm			11000	10800	11600	12100	4	0	10800	12100	11375	590.90326
Oxidation-Reduction Potential	mV			NM	200	170	210	3	0	170	210	193.33333	20.81666
pH, Laboratory	s.u.		6.5-8.5	7.09	7.14	7.13	7.28	4	0	7.09	7.28	7.16	0.0828654
Sodium Adsorption Ratio (SAR)	unitless			NM	16	16	17	3	0	16	17	16.333333	0.5773503
Solids, Total Dissolved TDS @ 180 C	mg/L		500	8900	9700	9600	9100	4	0	8900	9700	9325	386.22101
Major Ions													
Alkalinity, Total as CaCO3	mg/L			532	482	494	480	4	0	480	532	497	24.138489
Bicarbonate as HCO3	mg/L			649	588	602	585	4	0	585	649	606	29.608557
Calcium, Dissolved	mg/L			420 d	454 d	478 d	516	4	0	420	516	467	40.414519
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	1720 d	1780 d	1290 d	1710 d	4	0	1290	1780	1625	225.46249
Fluoride	mg/L	4	2	<0.1	0.1	<0.1	0.7	4	2	<0.1	0.7	0.225	0.3175426
Magnesium, Dissolved	mg/L			360	395	414	454	4	0	360	454	405.75	39.178013
Nitrogen, Ammonia as N	mg/L			0.2	<0.1	<0.1	<0.1	4	3	<0.1	0.2	0.0875	0.075
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.2	<0.1	0.11	4	2	<0.1	0.2	0.1025	0.0708872
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			13.2	11	11.3	9.8	4	0	9.8	13.2	11.325	1.4080128
Silica	mg/L			10.2	10	9.4	4.2	4	0	4.2	10.2	8.45	2.8536526
Sodium, Dissolved	mg/L			1810 d	1880 d	2030 d	2140 d	4	0	1810	2140	1965	148.43629
Sulfate, Total	mg/L		250	4390 d	4590 d	4310 d	4410	4	0	4310	4590	4425	118.18065
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	<0.001	0.001	0.001	4	1	<0.001	0.002	0.001125	0.0006292
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.9	0.8	0.8	0.7	4	0	0.7	0.9	0.8	0.0816497
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.89	2.55	2.59	1.62	4	0	1.62	2.89	2.4125	0.5496893
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.003	<0.001	<0.001	<0.001	4	3	<0.001	0.003	0.001125	0.00125
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0218	0.0443	0.0402	0.045	4	0	0.0218	0.045	0.037825	0.0108911
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.02	0.02	<0.01	<0.01	4	2	<0.01	0.02	0.0125	0.0086603
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.027	0.0049	<0.0003	<0.0003	4	2	<0.0003	0.027	0.00805	0.0128302
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.001	2	0	0.001	0.001	0.001	0
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	0.7	0.7	2	0	0.7	0.7	0.7	0
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	0.12	0.04	2	0	0.04	0.12	0.08	0.0565685
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	2.65	1.71	2	0	1.71	2.65	2.18	0.6646804
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.006	<0.001	2	1	<0.001	0.006	0.00325	0.0038891
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	10	11.6	2	0	10	11.6	10.8	1.1313708
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				677	677	677	677	Summary Statistics for Hydro ID 677					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 12:26:00 PM	11/27/2007 3:20:00 PM	2/5/2008 1:39:00 PM	4/29/2008 3:14:00 PM						
Lab ID				R07100002 -004	R07110303 -004	R08020052 -003	R08040364 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		NM	NM	0.0414	0.0471	2	0	0.0414	0.0471	0.04425	0.0040305
Zinc, Total	mg/L		5	NM	NM	<0.01	0.01	2	1	<0.01	0.01	0.0075	0.0035355
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		41	38.7	129	43.1	4	0	38.7	129	62.95	44.069982
Gross Beta, Dissolved	pCi/L			<2	<2	-2 j	-30 j	4	2	<2	-2	-7.5	15.066519
Gross Gamma, Dissolved	pCi/L			1100	1000	<20	0 j	4	1	<20	1100	527.5	604.72446
Lead 210, Dissolved	pCi/L			<1	1.1	2.1	0 j	4	1	<1	2.1	0.925	0.9032349
Polonium 210, Dissolved	pCi/L			<1	<1	2.2	0.4 j	4	2	<1	2.2	0.9	0.8679478
Radium 226, Dissolved	pCi/L	5		0.9	<0.2	<0.2	0.1	4	2	<0.2	0.9	0.3	0.4
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	<1	-2.3 j	4	3	<1	-2.3	-0.2	1.4
Polonium 210, Suspended	pCi/L			<1	2.5	<1	-0.2 j	4	2	<1	2.5	0.825	1.1644026
Radium 226, Suspended	pCi/L	5		<0.2	2.7	<0.2	0.3	4	2	<0.2	2.7	0.8	1.2701706
Thorium 230, Suspended	pCi/L			<0.2	2.2	0.3	0.1 j	4	1	<0.2	2.2	0.675	1.0210289
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Radon 222, Total	pCi/L				892	808 h	1250	3	0	808	1250	983.33333	234.72821
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-3.56	-3.76	3.88	2.3	4	0	-3.76	3.88	-0.285	3.9509788
Anions	meq/l			140	148	136	150	4	0	136	150	143.5	6.6080759
Cations	meq/l			130	138	147	157	4	0	130	157	143	11.633286
Solids, Total Dissolved Calculated	mg/L			8510	9070	8830	9550	4	0	8510	9550	8990	438.17805
TDS Balance (0.80 - 1.20)	dec. %			1.04	1.07	1.09	0.95	4	0	0.95	1.09	1.0375	0.0618466

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				678	678	678	678	Summary Statistics for Hydro ID 678					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 4:22:00 PM	11/27/2007 1:40:00 PM	2/5/2008 3:39:00 PM	4/29/2008 1:41:00 PM						
Lab ID				R07100002 -007	R07110303 -003	R08020052 -005	R08040364 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			6497	5472	5872	5906	4	0	5472	6497	5936.75	422.29956
Field Dissolved Oxygen	mg/L			NM	NM	1.67	1.4	2	0	1.4	1.67	1.535	0.1909188
Field pH	s.u.		6.5-8.5	6.93	7.05	7.12	6.93	4	0	6.93	7.12	7.0075	0.0939415
Field Temperature	Deg C			13.17	12.02	8.83	9.15	4	0	8.83	13.17	10.7925	2.1376369
Field Turbidity	NTUs			NM	NM	12.5	3	2	0	3	12.5	7.75	6.7175144
Water Level Elevation	ft AMSL			3581.2	3582.08	3582.49	3582.92	4	0	3581.2	3582.92	3582.1725	0.7334564
Physical Properties													
Conductivity @ 25 C	umhos/cm			5710	5780	6020	6300	4	0	5710	6300	5952.5	267.00499
Oxidation-Reduction Potential	mV			NM	210	200	260	3	0	200	260	223.33333	32.145503
pH, Laboratory	s.u.		6.5-8.5	7.23	7.42	7.34	7.55	4	0	7.23	7.55	7.385	0.1347838
Sodium Adsorption Ratio (SAR)	unitless			NM	5	5.2	4.9	3	0	4.9	5.2	5.0333333	0.1527525
Solids, Total Dissolved TDS @ 180 C	mg/L		500	6000	6100	6000	5400	4	0	5400	6100	5875	320.15621
Major Ions													
Alkalinity, Total as CaCO3	mg/L			490	480	468	478	4	0	468	490	479	9.0184995
Bicarbonate as HCO3	mg/L			597	585	570	583	4	0	570	597	583.75	11.056672
Calcium, Dissolved	mg/L			397 d	422 d	428 d	457	4	0	397	457	426	24.644134
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	64	61 d	96 d	54	4	0	54	96	68.75	18.643587
Fluoride	mg/L	4	2	0.6	0.9	<0.1	1	4	1	<0.1	1	0.6375	0.4269563
Magnesium, Dissolved	mg/L			398	434	434	500	4	0	398	500	441.5	42.532341
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		0.2	0.2	0.1	0.09	4	0	0.09	0.2	0.1475	0.0607591
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			18.9	20.1	20.2	17.4	4	0	17.4	20.2	19.15	1.3076697
Silica	mg/L			14.9	15.4	16.3	7.9	4	0	7.9	16.3	13.625	3.8603756
Sodium, Dissolved	mg/L			564 d	609 d	634 d	643 d	4	0	564	643	612.5	35.388322
Sulfate, Total	mg/L		250	3220 d	3440 d	3540 d	3740	4	0	3220	3740	3485	216.25602
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	<0.001	0.001	0.001	4	1	<0.001	0.002	0.001125	0.0006292
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			1.3	1.4	1.6	1.4	4	0	1.3	1.6	1.425	0.1258306
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.85	3.31	2.39	2.66	4	0	2.39	3.31	2.8025	0.3874167
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.003	<0.001	0.002	<0.001	4	2	<0.001	0.003	0.0015	0.0012247
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0352	0.0349	0.0368	0.0355	4	0	0.0349	0.0368	0.0356	0.0008367
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.2	4	3	<0.1	0.2	0.0875	0.075
Zinc, Dissolved	mg/L		5	0.01	0.01	<0.01	<0.01	4	2	<0.01	0.01	0.0075	0.0028868
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	0.002	<0.001	3	2	<0.001	0.002	0.001	0.000866
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0032	0.0008	<0.0003	<0.0003	4	2	<0.0003	0.0032	0.001075	0.0014494
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.002	0.001	2	0	0.001	0.002	0.0015	0.0007071
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	1.6	1.4	2	0	1.4	1.6	1.5	0.1414214
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	0.04	<0.03	2	1	<0.03	0.04	0.0275	0.0176777
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	2.72	2.61	2	0	2.61	2.72	2.665	0.0777817
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	0.0001 h	1	0	0.0001	0.0001	0.0001	---
Molybdenum, Total	mg/L			NM	NM	0.01	<0.1	2	1	<0.1	0.01	0.03	0.0282843
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.005	0.003	2	0	0.003	0.005	0.004	0.0014142
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	10.2	11	2	0	10.2	11	10.6	0.5656854
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				678	678	678	678	Summary Statistics for Hydro ID 678					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 4:22:00 PM	11/27/2007 1:40:00 PM	2/5/2008 3:39:00 PM	4/29/2008 1:41:00 PM						
Lab ID				R07100002 -007	R07110303 -003	R08020052 -005	R08040364 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		NM	NM	0.0379	0.0387	2	0	0.0379	0.0387	0.0383	0.0005657
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		23.2	18.9	41.5	54.7	4	0	18.9	54.7	34.575	16.613925
Gross Beta, Dissolved	pCi/L			8.1	35.3	16	12.8 j	4	0	8.1	35.3	18.05	11.948919
Gross Gamma, Dissolved	pCi/L			1100	1100	<20	0 j	4	1	<20	1100	552.5	632.21173
Lead 210, Dissolved	pCi/L			<1	4	3.3	-1.2 j	4	1	<1	4	1.65	2.4283053
Polonium 210, Dissolved	pCi/L			<1	<1	2.4	1.3	4	2	<1	2.4	1.175	0.8995369
Radium 226, Dissolved	pCi/L	5		<0.2	<0.2	<0.2	0.2	4	3	<0.2	0.2	0.125	0.05
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	0.3	0.2	4	2	<0.2	0.3	0.175	0.0957427
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	<1	-1.5 j	4	3	<1	-1.5	0	1
Polonium 210, Suspended	pCi/L			<1	1.3	<1	0 j	4	2	<1	1.3	0.575	0.5377422
Radium 226, Suspended	pCi/L	5		<0.2	0.7	<0.2	0.7	4	2	<0.2	0.7	0.4	0.3464102
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Radon 222, Total	pCi/L				391	487 h	687	3	0	391	687	521.66667	151.01435
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-0.532	0.551	-0.31	1.9	4	0	-0.532	1.9	0.40225	1.1023467
Anions	meq/l			78.6	83.1	85.9	89.1	4	0	78.6	89.1	84.175	4.4522466
Cations	meq/l			77.8	84	85.3	92.6	4	0	77.8	92.6	84.925	6.0736453
Solids, Total Dissolved Calculated	mg/L			4950	5280	5440	5730	4	0	4950	5730	5350	325.26912
TDS Balance (0.80 - 1.20)	dec. %			1.21	1.16	1.1	0.95	4	0	0.95	1.21	1.105	0.1126943

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				679	679	679	679	Summary Statistics for Hydro ID 679					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 3:04:00 PM	11/14/2007 1:45:00 PM	2/3/2008 4:25:00 PM	5/18/2008 6:00:00 PM						
Lab ID				R07100002 -006	R07110184 -003	R08020006 -001	R08050229 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			2848	2609	2580	2626	4	0	2580	2848	2665.75	122.97527
Field Dissolved Oxygen	mg/L			NM	10.62	8.83	8.87	3	0	8.83	10.62	9.44	1.0221057
Field pH	s.u.		6.5-8.5	7.36	7.52	7.36	7.5	4	0	7.36	7.52	7.435	0.0869866
Field Temperature	Deg C			11.62	10.64	10.61	11.47	4	0	10.61	11.62	11.085	0.5348208
Field Turbidity	NTUs			NM	1092	NM	505	2	0	505	1092	798.5	415.07168
Water Level Elevation	ft AMSL			3685.7	3685.45	3685.42	3685.28	4	0	3685.28	3685.7	3685.4625	0.1748094
Physical Properties													
Conductivity @ 25 C	umhos/cm			2520	2470	1970	2880	4	0	1970	2880	2460	374.25482
Oxidation-Reduction Potential	mV			NM	230	200	240	3	0	200	240	223.33333	20.81666
pH, Laboratory	s.u.		6.5-8.5	7.53	7.34	7.66	7.83	4	0	7.34	7.83	7.59	0.2070427
Sodium Adsorption Ratio (SAR)	unitless			NM	0.84	0.87	0.86	3	0	0.84	0.87	0.8566667	0.0152753
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2500	2600	2500	2500	4	0	2500	2600	2525	50
Major Ions													
Alkalinity, Total as CaCO3	mg/L			140	136	144	158	4	0	136	158	144.5	9.5742711
Bicarbonate as HCO3	mg/L			171	166	176	193	4	0	166	193	176.5	11.733144
Calcium, Dissolved	mg/L			414 d	447 d	440 d	515	4	0	414	515	454	43.07358
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	12	12	13	11	4	0	11	13	12	0.8164966
Fluoride	mg/L	4	2	0.3	0.2	0.4	0.4	4	0	0.2	0.4	0.325	0.0957427
Magnesium, Dissolved	mg/L			89	92.5	100	109	4	0	89	109	97.625	8.863549
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		1.2	1.3	1.3	1.1	4	0	1.1	1.3	1.225	0.0957427
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.5	11.4	11.8	11.1	4	0	11.1	12.5	11.7	0.6055301
Silica	mg/L			10.4	12.6	12.7	6	4	0	6	12.7	10.425	3.1351502
Sodium, Dissolved	mg/L			73 d	74.9 d	77.6 d	82 d	4	0	73	82	76.875	3.9033106
Sulfate, Total	mg/L		250	1580 d	1500 d	1420 d	1440 d	4	0	1420	1580	1485	71.879529
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	0.4	0.4	0.4	4	0	0.4	0.4	0.4	0
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.14	0.04	0.03	0.04	4	0	0.03	0.14	0.0625	0.0518813
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.016	0.012	0.013	0.01	4	0	0.01	0.016	0.01275	0.0025
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0157	0.0144	0.0139	0.0112	4	0	0.0112	0.0157	0.0138	0.0018921
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	0.012	0.012	0.01	3	0	0.01	0.012	0.0113	0.0011547
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.011	0.0008	0.0007	0.0012	4	0	0.0007	0.011	0.003425	0.0050546
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.007	0.011	2	0	0.007	0.011	0.009	0.0028284
Barium, Total	mg/L	2		NM	NM	0.2	0.3	2	0	0.2	0.3	0.25	0.0707107
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	0.002	2	1	<0.001	0.002	0.00125	0.0010607
Boron, Total	mg/L			NM	NM	<0.1	0.4	2	1	<0.1	0.4	0.225	0.2474874
Cadmium, Total	mg/L	0.005		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	0.02	0.03	2	0	0.02	0.03	0.025	0.0070711
Iron, Total	mg/L		0.3	NM	NM	14.9 d	26.4	2	0	14.9	26.4	20.65	8.131728
Lead, Total	mg/L			NM	NM	0.015	0.022	2	0	0.015	0.022	0.0185	0.0049497
Manganese, Total	mg/L		0.05	NM	NM	0.35	0.57	2	0	0.35	0.57	0.46	0.1555635
Mercury, Total	mg/L	0.002		<0.0002	<0.001	0.00002	<0.0001	4	3	<0.0001	0.00002	0.0001675	0.0002241
Molybdenum, Total	mg/L			NM	NM	0.01	0.02	2	0	0.01	0.02	0.015	0.0070711
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.014	0.013	2	0	0.013	0.014	0.0135	0.0007071
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	7.3	7.8	2	0	7.3	7.8	7.55	0.3535534
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0154	0.0164	2	0	0.0154	0.0164	0.0159	0.0007071

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				679	679	679	679	Summary Statistics for Hydro ID 679					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 3:04:00 PM	11/14/2007 1:45:00 PM	2/3/2008 4:25:00 PM	5/18/2008 6:00:00 PM						
Lab ID				R07100002 -006	R07110184 -003	R08020006 -001	R08050229 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	0.06	0.09	2	0	0.06	0.09	0.075	0.0212132
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		19.9	13.3	18.4	22.4	4	0	13.3	22.4	18.5	3.8392708
Gross Beta, Dissolved	pCi/L			10.7	16.3	7.2	10.8	4	0	7.2	16.3	11.25	3.7598759
Gross Gamma, Dissolved	pCi/L			1200	1500	86	0 j	4	0	0	1500	696.5	765.27707
Lead 210, Dissolved	pCi/L			<1	9.1	<1	4.5 j	4	2	<1	9.1	3.65	4.0934908
Polonium 210, Dissolved	pCi/L			1.1	2.3	<1	-0.1 j	4	1	<1	2.3	0.95	1.0246951
Radium 226, Dissolved	pCi/L	5		<0.2	<0.2	0.9	3.7	4	2	<0.2	3.7	1.2	1.7088007
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	<1	-9.8 j	4	3	<1	-9.8	-2.075	5.15
Polonium 210, Suspended	pCi/L			<1	<1	<1	-0.3 j	4	3	<1	-0.3	0.3	0.4
Radium 226, Suspended	pCi/L	5		2.5	0.5	9	0.2 j	4	0	0.2	9	3.05	4.0959329
Thorium 230, Suspended	pCi/L			1.9	0.3	0.4	1.4	4	0	0.3	1.9	1	0.7788881
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		2.5	NM	NM	NM	1	0	2.5	2.5	2.5	---
Radon 222, Total	pCi/L			NM	819	2170	1250	3	0	819	2170	1413	690.09202
Thorium 230, Total	pCi/L			1.9	NM	NM	NM	1	0	1.9	1.9	1.9	---
Data Quality Parameters													
A/C Balance (± 5)	%			-1.81	-1.35	1.37	6.81	4	0	-1.81	6.81	1.255	3.960282
Anions	meq/l			32.7	34.4	33	33.6	4	0	32.7	34.4	33.425	0.75
Cations	meq/l			31.5	33.5	33.9	38.5	4	0	31.5	38.5	34.35	2.9591665
Solids, Total Dissolved Calculated	mg/L			2110	2230	2160	2290	4	0	2110	2290	2197.5	78.898669
TDS Balance (0.80 - 1.20)	dec. %			1.19	1.15	1.18	1.09	4	0	1.09	1.19	1.1525	0.045

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				680	680	680	680	680	680	680
Month Sampled				Jan-08	Mar-08	Apr-08	May-08	May-08	Jun-08	Jul-08
Date and Time Collected				1/30/2008 1:50:00 PM	3/31/2008 3:15:00 PM	4/21/2008 9:21:00 PM	5/13/2008 4:06:00 PM	5/21/2008 12:50:00 PM	6/10/2008 10:50:00 AM	7/7/2008 1:29:00 PM
Lab ID				R08010296 -001	R08040002 -002	R08040250 -007	R08050199 -001	R08050321 -002	R08060210 -001	R08070115 -002
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Field Parameters										
Field Conductivity	umhos/cm			2386	2196	2594	2558	2582	2687	2707
Field Dissolved Oxygen	mg/L			0.04	0.27	0.27	0.07	0.18	NM	NM
Field pH	s.u.		6.5-8.5	7.1	7.05	7.03	6.94	6.91	6.81	6.31
Field Temperature	Deg C			12.59	12.58	12.42	12.97	13.12	13.02	13.2
Field Turbidity	NTUs			0.3	-0.1	3.8	0.6	0.8	NM	0.5
Water Level Elevation	ft AMSL			3662.68	3662.33	3660.88	NM	NM	3660.56	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2630	2560	2510	2580	2860	3060	2490
Oxidation-Reduction Potential	mV			0	180	280	270	160	130	240
pH, Laboratory	s.u.		6.5-8.5	7.26	7.31	7.56	7.14	7.08	7.32	7.27
Sodium Adsorption Ratio (SAR)	unitless			1.8	1.4	1.4	1.4	1.5	1.5	1.5
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2400	2200	2300	2300	2300	2500	2300
Major Ions										
Alkalinity, Total as CaCO3	mg/L			258	264	262	262	254	188	248
Bicarbonate as HCO3	mg/L			315	322	319	319	310	229	302
Calcium, Dissolved	mg/L			343	353	368	421	406	415	404
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	15	15	11	12	12	12	12
Fluoride	mg/L	4	2	0.3	0.3	0.3	0.3	0.5	0.3	0.4
Magnesium, Dissolved	mg/L			113	111	123	129	133	134	126
Nitrogen, Ammonia as N	mg/L			0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.05	0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			20.7	19.1	19.2	19.5	19.5	19.3	19.4
Silica	mg/L			8.9	8.2	8.3	3.8	4.1	4.4	4.3
Sodium, Dissolved	mg/L			148 d	120	125	126 d	132 d	134 d	131 d
Sulfate, Total	mg/L		250	1420 d	1280 d	1360	1200 d	1370 d	1410	1260 d
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.026	0.008	0.007	0.004	0.004	0.002	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.1	0.1	0.1	0.2	0.2	0.2	0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.43	0.27	0.25	0.19	0.21	0.06	0.2
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.43	0.4	0.42	0.47	0.48	0.49	0.44
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	0.002
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.172	0.0569	0.0303	0.0213	0.026	0.0227	0.0186
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.02	<0.01	0.01	<0.01	0.01	<0.01
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.0008	<0.0003	<0.0003	0.0004	<0.0003	<0.0003	<0.0003
Metals, Total										
Antimony, Total	mg/L	0.006		NM	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	0.009	0.006	0.005	0.004	0.005 d	0.004
Barium, Total	mg/L	2		NM	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001
Boron, Total	mg/L			NM	0.1	0.1	0.1	0.1	0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	0.3	0.29	0.34	0.35	0.28	0.31
Lead, Total	mg/L			NM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	0.43	0.44	0.5	0.52	0.48	0.47
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0002
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM	<0.0001
Molybdenum, Total	mg/L			NM	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	7.3	7.3	8.1	8.2	8.1	7.6
Thallium, Total	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Dewey-Burdock Hydro ID				680	680	680	680	680	680	680
Month Sampled				Jan-08	Mar-08	Apr-08	May-08	May-08	Jun-08	Jul-08
Date and Time Collected				1/30/2008 1:50:00 PM	3/31/2008 3:15:00 PM	4/21/2008 9:21:00 PM	5/13/2008 4:06:00 PM	5/21/2008 12:50:00 PM	6/10/2008 10:50:00 AM	7/7/2008 1:29:00 PM
Lab ID				R08010296 -001	R08040002 -002	R08040250 -007	R08050199 -001	R08050321 -002	R08060210 -001	R08070115 -002
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		NM	0.0541	0.0291	0.0238	0.0273	0.0244	0.0208
Zinc, Total	mg/L		5	NM	0.02	0.02	0.02	0.01	0.01	<0.01
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		4090	6440	4270	6500	4500	4370	4280
Gross Beta, Dissolved	pCi/L			1330	2320	1390	2250	1530	1320	1090
Gross Gamma, Dissolved	pCi/L			4700	150	1000	940	21000	5700	2300
Lead 210, Dissolved	pCi/L			17	0 j	32	37.7	61.8	15.7	26.5
Polonium 210, Dissolved	pCi/L			1.7	1.5	0.5 j	2	1.5	0.4 j	0.2 j
Radium 226, Dissolved	pCi/L	5		1180	1150	1230	1430	1240	1410	1280
Thorium 230, Dissolved	pCi/L			<0.2	0.2	0.3	0.1 j	0.1 j	0 j	0 j
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			<1	-2 j	-1 j	20.3 j	6.8 j	12	1.2 j
Polonium 210, Suspended	pCi/L			<1	0.5 j	0.3 j	9.1	1.1	1.3	1.7
Radium 226, Suspended	pCi/L	5		12.7	1.9	1.6	13.2	1	4.4	5
Thorium 230, Suspended	pCi/L			0.3	0.2	0.3	0.4	0 j	0.1 j	0.1 j
Radionuclides, Total										
Radon 222, Total	pCi/L			143000	71800	81000	151000	359000	91700	72000
Data Quality Parameters										
A/C Balance (± 5)	%			-2.45	0.26	0.77	10.2	5.04	6.54	7.57
Anions	meq/l			35.2	32.4	33.9	30.6	33.9	33.4	31.6
Cations	meq/l			33.5	32.5	34.5	37.6	37.5	38.1	36.8
Solids, Total Dissolved Calculated	mg/L			2210	2080	2190	2080	2240	2250	2120
TDS Balance (0.80 - 1.20)	dec. %			1.09	1.05	1.04	1.11	1.04	1.1	1.1

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				680	680	680	680	680	680	680
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09
Date and Time Collected				8/20/2008 10:23:00 AM	9/22/2008 11:18:00 AM	10/20/2008 12:05:00 PM	11/18/2008 10:25:00 AM	12/17/2008 1:50:00 PM	1/20/2009 3:25:00 PM	2/24/2009 1:35:00 PM
Lab ID				R08080332 -002	R08090314 -001	R08100295 -003	R08110211 -005	R08120255 -007	R09010301 -011	R09020293 -007
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Field Parameters										
Field Conductivity	umhos/cm			2457	2456	2600	2700	3000	2700	2500
Field Dissolved Oxygen	mg/L			NM	0.76	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	6.81	6.85	6.89	6.93	7.03	7.02	7.18
Field Temperature	Deg C			13.11	12.78	13	12.8	11.8	12.3	12.7
Field Turbidity	NTUs			4.7	4.7	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3661.66	3660.76	3660.58	3661.77	3660.98	3660.83	3660.98
Physical Properties										
Conductivity @ 25 C	umhos/cm			2920	2440	2660	2470	2510	2480	2530
Oxidation-Reduction Potential	mV			230	110	210	290	240	260	140
pH, Laboratory	s.u.		6.5-8.5	7.65	7.24	7.6	7.86	7.23	7.12	7.16
Sodium Adsorption Ratio (SAR)	unitless			1.5	1.6	1.6	1.6	1.7	1.7	1.7
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2300	2300	2100	2300	2300	2200	2300
Major Ions										
Alkalinity, Total as CaCO3	mg/L			160	252	338	250	252	252	250
Bicarbonate as HCO3	mg/L			195	307	412	305	307	307	305
Calcium, Dissolved	mg/L			395	402	382	389	396	358	365 d
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	13	12	14	14	13	13	13
Fluoride	mg/L	4	2	0.4	0.4	0.2	0.2	0.2	0.5	0.5
Magnesium, Dissolved	mg/L			129	128	123	123	128	117	121
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			18.8	19.4	18.8	19.2	19.3	19.8	19.2
Silica	mg/L			3.8	8.7	8.4	8.4	9.4	8.7	8.6
Sodium, Dissolved	mg/L			138 d	144	141 d	145 d	151 d	145	145
Sulfate, Total	mg/L		250	1430 d	1400 d	1380 d	1330 d	1310 d	1370 d	1400 d
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.002	0.001	0.002	<0.001	<0.001	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.1	0.1	0.1	0.1	0.2	<0.1	0.2
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.2	0.24	0.07	0.12	0.05	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.46	0.46	0.41	0.43	0.49	0.47	0.44
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0188	0.0191	0.0176	0.0196	0.0199	0.0205	0.0185
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	0.0003	0.0003	<0.0003	<0.0009	<0.0003	<0.0003
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.005 d	0.002	0.007 l	0.002	0.001	0.001	0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.003	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.31	0.33	0.29	0.28	0.35	0.3 d	0.24
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.46	0.46	0.44	0.43	0.44	0.46	0.44
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.003	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			7.2	7.3	7.2	7	7.2	7.1	7.2
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				680	680	680	680	680	680	680
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09
Date and Time Collected				8/20/2008 10:23:00 AM	9/22/2008 11:18:00 AM	10/20/2008 12:05:00 PM	11/18/2008 10:25:00 AM	12/17/2008 1:50:00 PM	1/20/2009 3:25:00 PM	2/24/2009 1:35:00 PM
Lab ID				R08080332 -002	R08090314 -001	R08100295 -003	R08110211 -005	R08120255 -007	R09010301 -011	R09020293 -007
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.018 d	0.0177 d	0.021	0.0174	0.0203	0.022	0.0206
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		4330	5470	4200	4410	5140	6730	5140
Gross Beta, Dissolved	pCi/L			1190	2290	1190	1840	2070	1790	1210
Gross Gamma, Dissolved	pCi/L			3200	820	4400	1200	1500	1700	1000
Lead 210, Dissolved	pCi/L			15.2	14.3	18.2	9.3	6.4	5.4	10.6
Polonium 210, Dissolved	pCi/L			0.6 j	0.2 j	0.3 j	1 j	0.7 j	0.53 j	0.069 j
Radium 226, Dissolved	pCi/L	5		1270	1440	1190	1430	1110	1360	1330
Thorium 230, Dissolved	pCi/L			0.2 j	<0.2	0 j	0.1 j	0 j	0 j	-0.009 j
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-4 j	4.5 j	4.1 j	-0.5 j	5.9 j	6.2 j	4.1 j
Polonium 210, Suspended	pCi/L			1 j	0.54 j	1.4	0.88	2.8	2	0.64
Radium 226, Suspended	pCi/L	5		2.1	5.1	6.9	1.7	13.1	13.3	6.4
Thorium 230, Suspended	pCi/L			0.2 j	0 j	-0.1 j	0.1 j	-0.3 j	-0.2 j	0.03 j
Radionuclides, Total										
Radon 222, Total	pCi/L			112000	72700	74300	86200	62200	48000	56800
Data Quality Parameters										
A/C Balance (± 5)	%			5.11	3.94	-0.23	4.57	6.75	0.67	0.76
Anions	meq/l			33.2	34.6	36	33.2	32.7	33.9	34.4
Cations	meq/l			36.8	37.4	35.8	36.3	37.4	34.3	35
Solids, Total Dissolved Calculated	mg/L			2230	2280	2290	2200	2190	2190	2230
TDS Balance (0.80 - 1.20)	dec. %			1.03	1	0.91	1.05	1.05	0.99	1.04

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

Dewey-Burdock Hydro ID				Summary Statistics for Hydro ID 680					
Month Sampled									
Date and Time Collected									
Lab ID									
Analyte	Units	Federal MCL	Secondary Standard	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters									
Field Conductivity	umhos/cm			14	0	2196	3000	2580.2143	187.25925
Field Dissolved Oxygen	mg/L			6	0	0.04	0.76	0.265	0.2611322
Field pH	s.u.		6.5-8.5	14	0	6.31	7.18	6.9185714	0.2063924
Field Temperature	Deg C			14	0	11.8	13.2	12.742143	0.3849311
Field Turbidity	NTUs			8	0	-0.1	4.7	1.9125	2.0945081
Water Level Elevation	ft AMSL			11	0	3660.56	3662.68	3661.2736	0.7257999
Physical Properties									
Conductivity @ 25 C	umhos/cm			14	0	2440	3060	2621.4286	190.49963
Oxidation-Reduction Potential	mV			14	0	0	290	195.71429	81.118554
pH, Laboratory	s.u.		6.5-8.5	14	0	7.08	7.86	7.3428571	0.2329552
Sodium Adsorption Ratio (SAR)	unitless			14	0	1.4	1.8	1.5642857	0.1277446
Solids, Total Dissolved TDS @ 180 C	mg/L		500	14	0	2100	2500	2292.8571	91.687477
Major Ions									
Alkalinity, Total as CaCO3	mg/L			14	0	160	338	249.28571	39.47819
Bicarbonate as HCO3	mg/L			14	0	195	412	303.85714	48.145384
Calcium, Dissolved	mg/L			14	0	343	421	385.5	24.39341
Carbonate as CO3	mg/L			14	14	<5	<5	<5	<5
Chloride	mg/L		250	14	0	11	15	12.928571	1.2066665
Fluoride	mg/L	4	2	14	0	0.2	0.5	0.3428571	0.108941
Magnesium, Dissolved	mg/L			14	0	111	134	124.14286	6.8932201
Nitrogen, Ammonia as N	mg/L			14	13	<0.1	0.2	0.0607143	0.0400892
Nitrogen, Nitrate as N	mg/L	10		14	13	<0.05	0.1	0.0517857	0.0153932
Nitrogen, Nitrite as N	mg/L	1		14	14	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			14	0	18.8	20.7	19.371429	0.4648053
Silica	mg/L			14	0	3.8	9.4	7	2.2820369
Sodium, Dissolved	mg/L			14	0	120	151	137.5	9.5896579
Sulfate, Total	mg/L		250	14	0	1200	1430	1351.4286	67.465905
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	14	14	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		14	2	<0.001	0.026	0.0045	0.0065809
Barium, Dissolved	mg/L	2		14	14	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			14	1	<0.1	0.2	0.1321429	0.0540909
Cadmium, Dissolved	mg/L	0.005		14	14	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		14	14	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	14	14	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	14	2	<0.03	0.43	0.1657143	0.1175038
Lead, Dissolved	mg/L			14	14	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	14	0	0.4	0.49	0.4492857	0.0292112
Mercury, Dissolved	mg/L	0.002		14	14	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			14	14	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			14	14	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		14	13	<0.001	0.002	0.0008929	0.0007888
Silver, Dissolved	mg/L		0.1	14	14	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			14	14	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		14	0	0.0176	0.172	0.0344143	0.0408755
Vanadium, Dissolved	mg/L			14	14	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	14	10	<0.01	0.02	0.0071429	0.0042582
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			14	14	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			14	13	<0.001	0.002	0.0006071	0.0004009
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		14	10	<0.0003	0.0008	0.0002571	0.000188
Metals, Total									
Antimony, Total	mg/L	0.006		13	13	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		13	0	0.001	0.009	0.0040769	0.0024311
Barium, Total	mg/L	2		13	13	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		13	13	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			13	1	<0.1	0.1	0.0961538	0.0138675
Cadmium, Total	mg/L	0.005		13	13	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		13	13	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	13	0	0.24	0.35	0.3053846	0.0315213
Lead, Total	mg/L			13	13	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	13	0	0.43	0.52	0.4592308	0.0275262
Mercury, Total	mg/L	0.002		14	14	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			13	13	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		13	13	<0.001	<0.005	<0.005	<0.005
Silver, Total	mg/L		0.1	13	13	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			13	0	7	8.2	7.4461538	0.4155626
Thallium, Total	mg/L	0.002		13	13	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				Summary Statistics for Hydro ID 680					
Month Sampled									
Date and Time Collected									
Lab ID									
Analyte	Units	Federal MCL	Secondary Standard	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		13	0	0.0174	0.0541	0.0243462	0.0096146
Zinc, Total	mg/L		5	13	7	<0.01	0.02	0.0096154	0.0062788
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		14	0	4090	6730	4990.7143	942.12088
Gross Beta, Dissolved	pCi/L			14	0	1090	2320	1629.2857	453.04889
Gross Gamma, Dissolved	pCi/L			14	0	150	21000	3543.5714	5297.546
Lead 210, Dissolved	pCi/L			14	0	0	61.8	19.292857	15.997618
Polonium 210, Dissolved	pCi/L			14	0	0.069	2	0.7999286	0.6292401
Radium 226, Dissolved	pCi/L	5		14	0	1110	1440	1289.2857	112.07582
Thorium 230, Dissolved	pCi/L			14	2	<0.2	0.3	0.0850714	0.0955796
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			14	1	<1	20.3	4.15	6.2712715
Polonium 210, Suspended	pCi/L			14	1	<1	9.1	1.6971429	2.2385003
Radium 226, Suspended	pCi/L	5		14	0	1	13.3	6.3142857	4.7978933
Thorium 230, Suspended	pCi/L			14	0	-0.3	0.4	0.0807143	0.1960559
Radionuclides, Total									
Radon 222, Total	pCi/L			14	0	48000	359000	105835.71	78839.004
Data Quality Parameters									
A/C Balance (± 5)	%			14	0	-2.45	10.2	3.5357143	3.6196658
Anions	meq/l			14	0	30.6	36	33.5	1.406031
Cations	meq/l			14	0	32.5	38.1	35.964286	1.7358692
Solids, Total Dissolved Calculated	mg/L			14	0	2080	2290	2198.5714	65.616267
TDS Balance (0.80 - 1.20)	dec. %			14	0	0.91	1.11	1.0428571	0.0525399

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	681	681	681
Month Sampled				Jan-08	Mar-08	Apr-08	May-08	May-08	Jun-08
Date and Time Collected				1/30/2008 3:40:00 PM	3/30/2008 5:50:00 PM	4/21/2008 8:06:00 PM	5/12/2008 12:45:00 PM	5/18/2008 11:18:00 AM	6/25/2008 5:30:00 PM
Lab ID				R08010296 -002	R08030315 -008	R08040250 -006	R08050143 -001	R08050229 -001	R08060452 -003
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1203	1176	1350	1341	1283	1362
Field Dissolved Oxygen	mg/L			0.57	0.14	0.3	0.27	0.09	NM
Field pH	s.u.		6.5-8.5	7.81	7.71	7.75	7.71	7.62	7.76
Field Temperature	Deg C			14.32	14.5	14.62	15.5	16.08	14.54
Field Turbidity	NTUs			0.2	0	3.8	0.7	0.8	0.1
Water Level Elevation	ft AMSL			3641.22	NM	NM	3644.75	NM	3642.95
Physical Properties									
Conductivity @ 25 C	umhos/cm			1320	1320	1330	1390	1500	1390
Oxidation-Reduction Potential	mV			0	170	280	240	220	140
pH, Laboratory	s.u.		6.5-8.5	7.98	7.8	8.02	7.91	8.15	7.99
Sodium Adsorption Ratio (SAR)	unitless			5.4	5.4	5.5	5.6	5.8	5.7
Solids, Total Dissolved TDS @ 180 C	mg/L		500	930	910	940	900	890	880
Major Ions									
Alkalinity, Total as CaCO3	mg/L			174	172	172	174	180	170
Bicarbonate as HCO3	mg/L			212	210	210	212	219	207
Calcium, Dissolved	mg/L			60.3	59.9	62	65.5	68.4	62.3
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	13	17	13	15	16	15
Fluoride	mg/L	4	2	0.4	0.4	0.4	0.6	0.5	0.4
Magnesium, Dissolved	mg/L			22.3	23.9	25	25.1	25.5	24
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			10.3	9.2	10	9.6	9.6	9.7
Silica	mg/L			8.1	7.2	7.2	4	4.3	3.9
Sodium, Dissolved	mg/L			192 d	197	204	212 d	221 d	210 d
Sulfate, Total	mg/L		250	498 d	478 d	466	449 d	465 d	449
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.003	0.002	0.002	0.002	0.002	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			0.004	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.09	0.08	0.09	0.1	0.1	0.08
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.005	<0.005	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0117	0.0092	0.0098	0.0095	0.0096	0.0097
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		NM	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	0.005 d	0.002	0.003	0.004	0.001
Barium, Total	mg/L	2		NM	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	<0.005	<0.005	<0.001	<0.001	<0.005
Chromium, Total	mg/L	0.1		NM	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	<0.03	<0.03	0.04	0.05	0.04
Lead, Total	mg/L			NM	<0.001	<0.001	<0.001	<0.001	0.013 d
Manganese, Total	mg/L		0.05	NM	0.08	0.09	0.1	0.09	0.08
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0002
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			NM	<0.1	<0.1	<0.01	<0.01	<0.1
Nickel, Total	mg/L			NM	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	<0.001	<0.001	<0.001	<0.001	0.002 d
Silver, Total	mg/L		0.1	NM	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	1.2	1.2	1.3	1.3	1.1
Thallium, Total	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	<0.001

Dewey-Burdock Hydro ID				681	681	681	681	681	681
Month Sampled				Jan-08	Mar-08	Apr-08	May-08	May-08	Jun-08
Date and Time Collected				1/30/2008 3:40:00 PM	3/30/2008 5:50:00 PM	4/21/2008 8:06:00 PM	5/12/2008 12:45:00 PM	5/18/2008 11:18:00 AM	6/25/2008 5:30:00 PM
Lab ID				R08010296 -002	R08030315 -008	R08040250 -006	R08050143 -001	R08050229 -001	R08060452 -003
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		NM	0.0099	0.0102	0.0104	0.0108	0.0102
Zinc, Total	mg/L		5	NM	<0.01	<0.01	<0.01	0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		656	2170	1400	2220	1220	1390
Gross Beta, Dissolved	pCi/L			226	659	430	675	304	364
Gross Gamma, Dissolved	pCi/L			13000	2300	3400	290	6600	210
Lead 210, Dissolved	pCi/L			46	0 j	49.9	40.5	38.2	42.2
Polonium 210, Dissolved	pCi/L			2.6	0.6 j	3.5	1.6	1.2	0.7 j
Radium 226, Dissolved	pCi/L	5		421	414	377	407	423	434
Thorium 230, Dissolved	pCi/L			<0.2	0.3	0 j	0 j	0.1 j	0 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			1.7	16.8	16.7	20.8	20.2	6.2 j
Polonium 210, Suspended	pCi/L			1.6	1.2	0 j	2.4	3.2	1.4
Radium 226, Suspended	pCi/L	5		9.9	3.5	0.2 j	1.8	1.6	0.7
Thorium 230, Suspended	pCi/L			<0.2	0.2 j	0.2 j	0.7	0.1 j	0 j
Radionuclides, Total									
Radon 222, Total	pCi/L			462000	254000	253000	246	462000	389000
Data Quality Parameters									
A/C Balance (± 5)	%			-2.72	-0.5	2.67	5.47	5.53	4.51
Anions	meq/l			14.2	13.9	13.5	13.3	13.8	13.2
Cations	meq/l			13.5	13.8	14.3	14.8	15.4	14.5
Solids, Total Dissolved Calculated	mg/L			901	908	903	891	926	883
TDS Balance (0.80 - 1.20)	dec. %			1.03	1.01	1.04	1.01	0.97	0.99

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	681	681	681
Month Sampled				Jul-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08
Date and Time Collected				7/1/2008 4:54:00 PM	7/14/2008 5:04:00 PM	8/19/2008 7:08:00 PM	9/23/2008 1:55:00 PM	10/20/2008 3:00:00 PM	11/18/2008 1:55:00 PM
Lab ID				R08070035 -005	R08070244 -009	R08080301 -004	R08090356 -002	R08100295 -009	R08110211 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1373	1371	1271	1410	1380	1390
Field Dissolved Oxygen	mg/L			0.07	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.45	7.75	7.26	7.71	7.71	7.69
Field Temperature	Deg C			14.66	14.82	14.96	15.2	14.3	14.8
Field Turbidity	NTUs			-0.1	4.9	4.6	NM	NM	NM
Water Level Elevation	ft AMSL			3642	3643.94	3644.88	3643.87	3641.56	3645.48
Physical Properties									
Conductivity @ 25 C	umhos/cm			1230	1380	1450	1020	1380	1270
Oxidation-Reduction Potential	mV			220	150	160	210	210	280
pH, Laboratory	s.u.		6.5-8.5	7.85	7.85	8.01	7.84	8.06	8.16
Sodium Adsorption Ratio (SAR)	unitless			5.7	5.9	5.9	5.7	6	5.9
Solids, Total Dissolved TDS @ 180 C	mg/L		500	920	920	920	890	880	900
Major Ions									
Alkalinity, Total as CaCO3	mg/L			174	172	172	174	176	172
Bicarbonate as HCO3	mg/L			212	210	210	212	215	210
Calcium, Dissolved	mg/L			67.4	60.6	66.5	65	61.4	64.7
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	16	17	16	16	17	16
Fluoride	mg/L	4	2	0.5	0.6	0.5	0.5	0.4	0.4
Magnesium, Dissolved	mg/L			25.8	24.3	24.7	24.6	23.2	24.5
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.7	13.7	9.8	9.3	9.5	9.7
Silica	mg/L			4.4	1.9	3.9	8.5	8.5	8.7
Sodium, Dissolved	mg/L			218 d	214 d	222 d	212	216 d	218 d
Sulfate, Total	mg/L		250	457	619	489 d	515 d	491 d	478 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.002	0.002	0.002	0.003	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.09	0.09	0.09	0.07	0.08	0.08
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0094	0.0097	0.01	0.0093	0.0094	0.0098
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.002	0.024	0.001	0.002	0.003	0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.04	0.06	0.06	0.07	0.06	0.06
Lead, Total	mg/L			0.006 d	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.08	0.09	0.09	0.08	0.08	0.09
Mercury, Total	mg/L	0.002		<0.0002	<0.0002	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		<0.0001	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.002	0.002 d	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.2	1.3	1.2	1.2	1.2	1.1
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Dewey-Burdock Hydro ID				681	681	681	681	681	681
Month Sampled				Jul-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08
Date and Time Collected				7/1/2008 4:54:00 PM	7/14/2008 5:04:00 PM	8/19/2008 7:08:00 PM	9/23/2008 1:55:00 PM	10/20/2008 3:00:00 PM	11/18/2008 1:55:00 PM
Lab ID				R08070035 -005	R08070244 -009	R08080301 -004	R08090356 -002	R08100295 -009	R08110211 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.0092	0.0104	0.0037	0.0098	0.0102	0.0087
Zinc, Total	mg/L		5	0.09 d	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		1180	2170	1430	1180	1440	1850
Gross Beta, Dissolved	pCi/L			326	583	423	264	412	605
Gross Gamma, Dissolved	pCi/L			1500	13000	2800	1200	22000	2100
Lead 210, Dissolved	pCi/L			30	26.3	32.2	28.3	22.6	29
Polonium 210, Dissolved	pCi/L			0.7 j	3.1	3.7	0.8 j	5.1	2.9
Radium 226, Dissolved	pCi/L	5		357	418	362	445	356	398
Thorium 230, Dissolved	pCi/L			0 j	0.1 j	0 j	0 j	0.1 j	0.1 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			5.3 j	3.7 j	-1 j	4.9 j	18	10.8
Polonium 210, Suspended	pCi/L			1.5	0.9 j	0.6 j	0.88	1.5	2.2
Radium 226, Suspended	pCi/L	5		1.3	0.6 j	0.8	0.9	1.3	0.08 j
Thorium 230, Suspended	pCi/L			-0.1 j	0.1 j	0 j	0.1 j	-0.2 j	0 j
Radionuclides, Total									
Radon 222, Total	pCi/L			281000	244000	318000	304000	344000	335000
Data Quality Parameters									
A/C Balance (± 5)	%			6.24	-0.02	4.01	0.19	1.42	3.94
Anions	meq/l			13.4	14.7	14.1	14.7	14.2	13.9
Cations	meq/l			15.2	14.7	15.3	14.7	14.6	15
Solids, Total Dissolved Calculated	mg/L			910	955	942	969	947	939
TDS Balance (0.80 - 1.20)	dec. %			1.01	0.96	0.98	0.92	0.93	0.96

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	Summary Statistics for Hydro ID 681					
Month Sampled				Dec-08	Jan-08	Feb-08						
Date and Time Collected				12/17/2008 10:48:00 AM	1/20/2009 12:50:00 PM	2/24/2009 4:18:00 PM						
Lab ID				R08120255 -002	R09010301 -007	R09020293 -011						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters												
Field Conductivity	umhos/cm			1410	1400	1360	15	0	1176	1410	1338.67	72.792922
Field Dissolved Oxygen	mg/L			NM	NM	NM	6	0	0.07	0.57	0.24	0.1869759
Field pH	s.u.		6.5-8.5	7.76	7.9	7.84	15	0	7.26	7.9	7.70	0.157338
Field Temperature	Deg C			12.2	13.3	14.3	15	0	12.2	16.08	14.54	0.8964374
Field Turbidity	NTUs			NM	NM	NM	9	0	-0.1	4.9	1.67	2.1154196
Water Level Elevation	ft AMSL			3645.94	3645.48	3658.86	12	0	3641.22	3658.86	3645.08	4.6237905
Physical Properties												
Conductivity @ 25 C	umhos/cm			1260	1310	1300	15	0	1020	1500	1323.33	110.49671
Oxidation-Reduction Potential	mV			290	270	140	15	0	0	290	198.67	75.863286
pH, Laboratory	s.u.		6.5-8.5	7.82	7.85	7.83	15	0	7.8	8.16	7.94	0.1205859
Sodium Adsorption Ratio (SAR)	unitless			5.9	6.2	5.4	15	0	5.4	6.2	5.73	0.2410295
Solids, Total Dissolved TDS @ 180 C	mg/L		500	900	940	900	15	0	880	940	908.00	19.712215
Major Ions												
Alkalinity, Total as CaCO3	mg/L			170	170	174	15	0	170	180	173.07	2.6040262
Bicarbonate as HCO3	mg/L			207	207	212	15	0	207	219	211.00	3.1396087
Calcium, Dissolved	mg/L			62.9	53.6	63 d	15	0	53.6	68.4	62.90	3.6726791
Carbonate as CO3	mg/L			<5	<5	<5	15	15	<5	<5	<5	<5
Chloride	mg/L		250	15	13	13	15	0	13	17	15.20	1.5212777
Fluoride	mg/L	4	2	0.4	0.6	0.5	15	0	0.4	0.6	0.47	0.0798809
Magnesium, Dissolved	mg/L			23.9	20.9	24.4	15	0	20.9	25.8	24.14	1.2511709
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	15	15	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	15	15	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.7	10	10.3	15	0	9.2	13.7	10.01	1.06802
Silica	mg/L			9.3	7.8	7.9	15	0	1.9	9.3	6.37	2.3575007
Sodium, Dissolved	mg/L			215 d	213	200	15	0	192	222	210.93	8.8758635
Sulfate, Total	mg/L		250	453 d	465 d	479 d	15	0	449	619	483.40	42.031961
Metals, Dissolved												
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.002	0.002	15	0	0.001	0.003	0.00	0.0004577
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	15	14	<0.1	0.1	0.05	0.0129099
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	15	15	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	15	15	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	15	14	<0.001	0.004	0.00	0.0009037
Manganese, Dissolved	mg/L		0.05	0.09	0.07	0.08	15	0	0.07	0.1	0.09	0.0091548
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	15	15	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0083	0.0081	0.0092	15	0	0.0081	0.0117	0.01	0.0008017
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	15	14	<0.01	0.01	0.01	0.001291
Metals, Dissolved, Speciated												
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Metals, Suspended												
Uranium, Suspended	mg/L	0.03		<0.0009	<0.0003	<0.0003	15	14	<0.0003	0.001	0.00	0.0002275
Metals, Total												
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	14	14	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.001	0.002	14	1	<0.002	0.024	0.004	0.0059379
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	14	14	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	14	14	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.2	14	14	<0.1	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	14	14	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	14	14	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	14	14	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.09	0.07 d	0.04	14	2	<0.03	0.09	0.05	0.0208342
Lead, Total	mg/L			<0.001	<0.001	<0.001	14	12	<0.001	0.013	0.002	0.0035448
Manganese, Total	mg/L		0.05	0.08	0.07	0.08	14	0	0.07	0.1	0.08	0.0075593
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	15	15	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	14	14	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	14	14	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	14	12	<0.001	0.002	0.001	0.000546
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	14	14	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.1	1.1	1.2	14	0	1.1	1.3	1.19	0.0730046
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	14	14	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	Summary Statistics for Hydro ID 681					
Month Sampled				Dec-08	Jan-08	Feb-08						
Date and Time Collected				12/17/2008 10:48:00 AM	1/20/2009 12:50:00 PM	2/24/2009 4:18:00 PM						
Lab ID				R08120255 -002	R09010301 -007	R09020293 -011						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0077	0.0084	0.0086	14	0	0.0037	0.0108	0.01	0.001819
Zinc, Total	mg/L		5	<0.01	0.01	<0.01	14	11	<0.01	0.09	0.01	0.0225838
Radionuclides, Dissolved												
Gross Alpha, Dissolved	pCi/L	15		1560	1210	1460	15	0	656	2220	1502.40	435.40208
Gross Beta, Dissolved	pCi/L			526	361	402	15	0	226	675	437.33	141.6856
Gross Gamma, Dissolved	pCi/L			320	190	6000	15	0	190	22000	4994.00	6327.4694
Lead 210, Dissolved	pCi/L			10.7	11.5	37.6	15	0	0	49.9	29.67	13.95491
Polonium 210, Dissolved	pCi/L			4.8	3.8	0.28 j	15	0	0.28	5.1	2.36	1.6217005
Radium 226, Dissolved	pCi/L	5		291	258	336	15	0	258	445	379.80	53.786881
Thorium 230, Dissolved	pCi/L			0.1 j	0.1 j	-0.001 j	15	1	<0.2	0.3	0.07	0.0817084
Radionuclides, Suspended												
Lead 210, Suspended	pCi/L			24.2	2.2 j	25.9	15	0	-1	25.9	11.76	9.0134661
Polonium 210, Suspended	pCi/L			9.2	1.7	2.3	15	0	0	9.2	2.04	2.1334408
Radium 226, Suspended	pCi/L	5		1.5	1.1	1.3	15	0	0.08	9.9	1.77	2.3880153
Thorium 230, Suspended	pCi/L			-0.1 j	0.1 j	0.1 j	15	1	<0.2	0.7	0.09	0.2030717
Radionuclides, Total												
Radon 222, Total	pCi/L			2200	133000	389000	15	0	246	462000	278030	141127.83
Data Quality Parameters												
A/C Balance (± 5)	%			5.22	1.57	0.99	15	0	-2.72	6.24	2.57	2.6724446
Anions	meq/l			13.3	13.5	13.9	15	0	13.2	14.7	13.84	0.4807732
Cations	meq/l			14.7	13.9	14.1	15	0	13.5	15.4	14.57	0.560187
Solids, Total Dissolved Calculated	mg/L			907	899	916	15	0	883	969	919.73	25.305185
TDS Balance (0.80 - 1.20)	dec. %			0.99	1.05	0.98	15	0	0.92	1.05	0.99	0.0375817

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				682	Summary Statistics for Hydro ID 682					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 3:22:00 PM						
Lab ID				R08070115 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2531	1	0	2531	2531	2531	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	6.93	1	0	6.93	6.93	6.93	---
Field Temperature	Deg C			13.11	1	0	13.11	13.11	13.11	---
Field Turbidity	NTUs			32	1	0	32	32	32	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2360	1	0	2360	2360	2360	---
Oxidation-Reduction Potential	mV			290	1	0	290	290	290	---
pH, Laboratory	s.u.		6.5-8.5	7.3	1	0	7.3	7.3	7.3	---
Sodium Adsorption Ratio (SAR)	unitless			1.3	1	0	1.3	1.3	1.3	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1800	1	0	1800	1800	1800	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			242	1	0	242	242	242	---
Bicarbonate as HCO3	mg/L			295	1	0	295	295	295	---
Calcium, Dissolved	mg/L			365	1	0	365	365	365	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	12	1	0	12	12	12	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			109	1	0	109	109	109	---
Nitrogen, Ammonia as N	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			22.9	1	0	22.9	22.9	22.9	---
Silica	mg/L			2.1	1	0	2.1	2.1	2.1	---
Sodium, Dissolved	mg/L			113	1	0	113	113	113	---
Sulfate, Total	mg/L		250	1170 d	1	0	1170	1170	1170	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.002	1	0	0.002	0.002	0.002	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.2	1	0	0.2	0.2	0.2	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.51	1	0	0.51	0.51	0.51	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0198	1	0	0.0198	0.0198	0.0198	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.0004	1	0	0.0004	0.0004	0.0004	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.01	1	0	0.01	0.01	0.01	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	0.01	1	0	0.01	0.01	0.01	---
Iron, Total	mg/L		0.3	1.15	1	0	1.15	1.15	1.15	---
Lead, Total	mg/L			0.001	1	0	0.001	0.001	0.001	---
Manganese, Total	mg/L		0.05	0.55	1	0	0.55	0.55	0.55	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.002	1	0	0.002	0.002	0.002	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			6.6	1	0	6.6	6.6	6.6	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				682	Summary Statistics for Hydro ID 682					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 3:22:00 PM						
Lab ID				R08070115 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0227	1	0	0.0227	0.0227	0.0227	---
Zinc, Total	mg/L		5	0.01	1	0	0.01	0.01	0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		50.3	1	0	50.3	50.3	50.3	---
Gross Beta, Dissolved	pCi/L			14	1	0	14	14	14	---
Gross Gamma, Dissolved	pCi/L			790	1	0	790	790	790	---
Lead 210, Dissolved	pCi/L			2.4 j	1	0	2.4	2.4	2.4	---
Polonium 210, Dissolved	pCi/L			-0.1 j	1	0	-0.1	-0.1	-0.1	---
Radium 226, Dissolved	pCi/L	5		3.4	1	0	3.4	3.4	3.4	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-9.2 j	1	0	-9.2	-9.2	-9.2	---
Polonium 210, Suspended	pCi/L			0.3 j	1	0	0.3	0.3	0.3	---
Radium 226, Suspended	pCi/L	5		-0.3 j	1	0	-0.3	-0.3	-0.3	---
Thorium 230, Suspended	pCi/L			0.3	1	0	0.3	0.3	0.3	---
Radionuclides, Total										
Radon 222, Total	pCi/L			1380	1	0	1380	1380	1380	---
Data Quality Parameters										
A/C Balance (± 5)	%			5.13	1	0	5.13	5.13	5.13	---
Anions	meq/l			29.5	1	0	29.5	29.5	29.5	---
Cations	meq/l			32.7	1	0	32.7	32.7	32.7	---
Solids, Total Dissolved Calculated	mg/L			1940	1	0	1940	1940	1940	---
TDS Balance (0.80 - 1.20)	dec. %			0.94	1	0	0.94	0.94	0.94	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				684	Summary Statistics for Hydro ID 684					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 5:22:00 PM						
Lab ID				R08070115 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2696	1	0	2696	2696	2696	---
Field Dissolved Oxygen	mg/L			0.32	1	0	0.32	0.32	0.32	---
Field pH	s.u.		6.5-8.5	6.98	1	0	6.98	6.98	6.98	---
Field Temperature	Deg C			13.02	1	0	13.02	13.02	13.02	---
Field Turbidity	NTUs			39.2	1	0	39.2	39.2	39.2	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2510	1	0	2510	2510	2510	---
Oxidation-Reduction Potential	mV			300	1	0	300	300	300	---
pH, Laboratory	s.u.		6.5-8.5	7.43	1	0	7.43	7.43	7.43	---
Sodium Adsorption Ratio (SAR)	unitless			1.5	1	0	1.5	1.5	1.5	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2200	1	0	2200	2200	2200	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			274	1	0	274	274	274	---
Bicarbonate as HCO3	mg/L			334	1	0	334	334	334	---
Calcium, Dissolved	mg/L			375	1	0	375	375	375	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	11	1	0	11	11	11	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			119	1	0	119	119	119	---
Nitrogen, Ammonia as N	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			24.5	1	0	24.5	24.5	24.5	---
Silica	mg/L			2.7	1	0	2.7	2.7	2.7	---
Sodium, Dissolved	mg/L			127	1	0	127	127	127	---
Sulfate, Total	mg/L		250	1280 d	1	0	1280	1280	1280	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.03	1	0	0.03	0.03	0.03	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.2	1	0	0.2	0.2	0.2	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	0.47	1	0	0.47	0.47	0.47	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.54	1	0	0.54	0.54	0.54	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0667	1	0	0.0667	0.0667	0.0667	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.177	1	0	0.177	0.177	0.177	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.04	1	0	0.04	0.04	0.04	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.1	1	0	0.1	0.1	0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.68	1	0	1.68	1.68	1.68	---
Lead, Total	mg/L			0.001	1	0	0.001	0.001	0.001	---
Manganese, Total	mg/L		0.05	0.63	1	0	0.63	0.63	0.63	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.005	1	0	0.005	0.005	0.005	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			7.6	1	0	7.6	7.6	7.6	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				684	Summary Statistics for Hydro ID 684					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 5:22:00 PM						
Lab ID				R08070115 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.336	1	0	0.336	0.336	0.336	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		1890	1	0	1890	1890	1890	---
Gross Beta, Dissolved	pCi/L			556	1	0	556	556	556	---
Gross Gamma, Dissolved	pCi/L			1800	1	0	1800	1800	1800	---
Lead 210, Dissolved	pCi/L			29	1	0	29	29	29	---
Polonium 210, Dissolved	pCi/L			5.1	1	0	5.1	5.1	5.1	---
Radium 226, Dissolved	pCi/L	5		543	1	0	543	543	543	---
Thorium 230, Dissolved	pCi/L			0.8	1	0	0.8	0.8	0.8	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			94.6	1	0	94.6	94.6	94.6	---
Polonium 210, Suspended	pCi/L			56	1	0	56	56	56	---
Radium 226, Suspended	pCi/L	5		44.1	1	0	44.1	44.1	44.1	---
Thorium 230, Suspended	pCi/L			65.9	1	0	65.9	65.9	65.9	---
Radionuclides, Total										
Radon 222, Total	pCi/L			234000	1	0	234000	234000	234000	---
Data Quality Parameters										
A/C Balance (± 5)	%			3.15	1	0	3.15	3.15	3.15	---
Anions	meq/l			32.6	1	0	32.6	32.6	32.6	---
Cations	meq/l			34.7	1	0	34.7	34.7	34.7	---
Solids, Total Dissolved Calculated	mg/L			2110	1	0	2110	2110	2110	---
TDS Balance (0.80 - 1.20)	dec. %			1.07	1	0	1.07	1.07	1.07	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				685	Summary Statistics for Hydro ID 685					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 3:48:00 PM						
Lab ID				R08070035 -007						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1349	1	0	1349	1349	1349	---
Field Dissolved Oxygen	mg/L			1.09	1	0	1.09	1.09	1.09	---
Field pH	s.u.		6.5-8.5	7.61	1	0	7.61	7.61	7.61	---
Field Temperature	Deg C			14.93	1	0	14.93	14.93	14.93	---
Field Turbidity	NTUs			-0.4	1	0	-0.4	-0.4	-0.4	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1150	1	0	1150	1150	1150	---
Oxidation-Reduction Potential	mV			240	1	0	240	240	240	---
pH, Laboratory	s.u.		6.5-8.5	7.91	1	0	7.91	7.91	7.91	---
Sodium Adsorption Ratio (SAR)	unitless			5.3	1	0	5.3	5.3	5.3	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	930	1	0	930	930	930	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			162	1	0	162	162	162	---
Bicarbonate as HCO3	mg/L			197	1	0	197	197	197	---
Calcium, Dissolved	mg/L			71.9	1	0	71.9	71.9	71.9	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	11	1	0	11	11	11	---
Fluoride	mg/L	4	2	0.5	1	0	0.5	0.5	0.5	---
Magnesium, Dissolved	mg/L			26.2	1	0	26.2	26.2	26.2	---
Nitrogen, Ammonia as N	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			9.9	1	0	9.9	9.9	9.9	---
Silica	mg/L			4.5	1	0	4.5	4.5	4.5	---
Sodium, Dissolved	mg/L			206 d	1	0	206	206	206	---
Sulfate, Total	mg/L		250	460	1	0	460	460	460	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.003	1	0	0.003	0.003	0.003	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.09	1	0	0.09	0.09	0.09	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		0.003	1	0	0.003	0.003	0.003	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0057	1	0	0.0057	0.0057	0.0057	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			0.003	1	0	0.003	0.003	0.003	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.005 d	1	0	0.005	0.005	0.005	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Total	mg/L			<0.003	1	1	<0.003	<0.003	<0.003	---
Manganese, Total	mg/L		0.05	0.08	1	0	0.08	0.08	0.08	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.005 d	1	0	0.005	0.005	0.005	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			1.2	1	0	1.2	1.2	1.2	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				685	Summary Statistics for Hydro ID 685					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 3:48:00 PM						
Lab ID				R08070035 -007						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0056	1	0	0.0056	0.0056	0.0056	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		23.8	1	0	23.8	23.8	23.8	---
Gross Beta, Dissolved	pCi/L			12	1	0	12	12	12	---
Gross Gamma, Dissolved	pCi/L			940	1	0	940	940	940	---
Lead 210, Dissolved	pCi/L			5.9 j	1	0	5.9	5.9	5.9	---
Polonium 210, Dissolved	pCi/L			0.1 j	1	0	0.1	0.1	0.1	---
Radium 226, Dissolved	pCi/L	5		2.3	1	0	2.3	2.3	2.3	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-1.1 j	1	0	-1.1	-1.1	-1.1	---
Polonium 210, Suspended	pCi/L			0.5 j	1	0	0.5	0.5	0.5	---
Radium 226, Suspended	pCi/L	5		0.3	1	0	0.3	0.3	0.3	---
Thorium 230, Suspended	pCi/L			0.1 j	1	0	0.1	0.1	0.1	---
Radionuclides, Total										
Radon 222, Total	pCi/L			9460	1	0	9460	9460	9460	---
Data Quality Parameters										
A/C Balance (± 5)	%			6.47	1	0	6.47	6.47	6.47	---
Anions	meq/l			13.2	1	0	13.2	13.2	13.2	---
Cations	meq/l			15	1	0	15	15	15	---
Solids, Total Dissolved Calculated	mg/L			896	1	0	896	896	896	---
TDS Balance (0.80 - 1.20)	dec. %			1.04	1	0	1.04	1.04	1.04	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				686	Summary Statistics for Hydro ID 686					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 7:03:00 PM						
Lab ID				R08070115 -007						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1774	1	0	1774	1774	1774	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.03	1	0	9.03	9.03	9.03	---
Field Temperature	Deg C			13.15	1	0	13.15	13.15	13.15	---
Field Turbidity	NTUs			6.6	1	0	6.6	6.6	6.6	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1720	1	0	1720	1720	1720	---
Oxidation-Reduction Potential	mV			210	1	0	210	210	210	---
pH, Laboratory	s.u.		6.5-8.5	8.68	1	0	8.68	8.68	8.68	---
Sodium Adsorption Ratio (SAR)	unitless			3.2	1	0	3.2	3.2	3.2	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1300	1	0	1300	1300	1300	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			42	1	0	42	42	42	---
Bicarbonate as HCO3	mg/L			51	1	0	51	51	51	---
Calcium, Dissolved	mg/L			150	1	0	150	150	150	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	13	1	0	13	13	13	---
Fluoride	mg/L	4	2	0.3	1	0	0.3	0.3	0.3	---
Magnesium, Dissolved	mg/L			49.5	1	0	49.5	49.5	49.5	---
Nitrogen, Ammonia as N	mg/L			0.6	1	0	0.6	0.6	0.6	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		0.1	1	0	0.1	0.1	0.1	---
Potassium, Dissolved	mg/L			27.7	1	0	27.7	27.7	27.7	---
Silica	mg/L			1.7	1	0	1.7	1.7	1.7	---
Sodium, Dissolved	mg/L			176	1	0	176	176	176	---
Sulfate, Total	mg/L		250	812 d	1	0	812	812	812	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.002	1	0	0.002	0.002	0.002	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.03	1	0	0.03	0.03	0.03	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		0.002	1	0	0.002	0.002	0.002	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0012	1	0	0.0012	0.0012	0.0012	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			0.002	1	0	0.002	0.002	0.002	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.0004	1	0	0.0004	0.0004	0.0004	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.07	1	0	0.07	0.07	0.07	---
Lead, Total	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Total	mg/L		0.05	0.06	1	0	0.06	0.06	0.06	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.008	1	0	0.008	0.008	0.008	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			4.4	1	0	4.4	4.4	4.4	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

Dewey-Burdock Hydro ID				686	Summary Statistics for Hydro ID 686					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 7:03:00 PM						
Lab ID				R08070115 -007						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0072	1	0	0.0072	0.0072	0.0072	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		11.3	1	0	11.3	11.3	11.3	---
Gross Beta, Dissolved	pCi/L			16.4	1	0	16.4	16.4	16.4	---
Gross Gamma, Dissolved	pCi/L			1000	1	0	1000	1000	1000	---
Lead 210, Dissolved	pCi/L			6.1 j	1	0	6.1	6.1	6.1	---
Polonium 210, Dissolved	pCi/L			0.3 j	1	0	0.3	0.3	0.3	---
Radium 226, Dissolved	pCi/L	5		3.3	1	0	3.3	3.3	3.3	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-2.3 j	1	0	-2.3	-2.3	-2.3	---
Polonium 210, Suspended	pCi/L			0.4 j	1	0	0.4	0.4	0.4	---
Radium 226, Suspended	pCi/L	5		-0.4 j	1	0	-0.4	-0.4	-0.4	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			467	1	0	467	467	467	---
Data Quality Parameters										
A/C Balance (± 5)	%			4.8	1	0	4.8	4.8	4.8	---
Anions	meq/l			18.1	1	0	18.1	18.1	18.1	---
Cations	meq/l			20	1	0	20	20	20	---
Solids, Total Dissolved Calculated	mg/L			1260	1	0	1260	1260	1260	---
TDS Balance (0.80 - 1.20)	dec. %			1	1	0	1	1	1	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				687	Summary Statistics for Hydro ID 687					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 6:02:00 PM						
Lab ID				R08070035 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1295	1	0	1295	1295	1295	---
Field Dissolved Oxygen	mg/L			0.21	1	0	0.21	0.21	0.21	---
Field pH	s.u.		6.5-8.5	7.81	1	0	7.81	7.81	7.81	---
Field Temperature	Deg C			14.08	1	0	14.08	14.08	14.08	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3641.45	1	0	3641.45	3641.45	3641.45	---
Physical Properties										
Conductivity @ 25 C	umhos/cm			1230	1	0	1230	1230	1230	---
Oxidation-Reduction Potential	mV			220	1	0	220	220	220	---
pH, Laboratory	s.u.		6.5-8.5	7.77	1	0	7.77	7.77	7.77	---
Sodium Adsorption Ratio (SAR)	unitless			5.1	1	0	5.1	5.1	5.1	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	1	0	940	940	940	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			184	1	0	184	184	184	---
Bicarbonate as HCO3	mg/L			224	1	0	224	224	224	---
Calcium, Dissolved	mg/L			76.7	1	0	76.7	76.7	76.7	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	11	1	0	11	11	11	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			29.9	1	0	29.9	29.9	29.9	---
Nitrogen, Ammonia as N	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			10.7	1	0	10.7	10.7	10.7	---
Silica	mg/L			4.4	1	0	4.4	4.4	4.4	---
Sodium, Dissolved	mg/L			208 d	1	0	208	208	208	---
Sulfate, Total	mg/L		250	458	1	0	458	458	458	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.001	1	0	0.001	0.001	0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.11	1	0	0.11	0.11	0.11	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.004	1	0	0.004	0.004	0.004	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.002	1	1	<0.002	<0.002	<0.002	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.11	1	0	0.11	0.11	0.11	---
Lead, Total	mg/L			<0.003	1	1	<0.003	<0.003	<0.003	---
Manganese, Total	mg/L		0.05	0.1	1	0	0.1	0.1	0.1	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.002	1	1	<0.002	<0.002	<0.002	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			1.4	1	0	1.4	1.4	1.4	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

Dewey-Burdock Hydro ID				687	Summary Statistics for Hydro ID 687					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 6:02:00 PM						
Lab ID				R08070035 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0042	1	0	0.0042	0.0042	0.0042	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		114	1	0	114	114	114	---
Gross Beta, Dissolved	pCi/L			33.5	1	0	33.5	33.5	33.5	---
Gross Gamma, Dissolved	pCi/L			1100	1	0	1100	1100	1100	---
Lead 210, Dissolved	pCi/L			3.9 j	1	0	3.9	3.9	3.9	---
Polonium 210, Dissolved	pCi/L			0.6 j	1	0	0.6	0.6	0.6	---
Radium 226, Dissolved	pCi/L	5		25.7	1	0	25.7	25.7	25.7	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-4 j	1	0	-4	-4	-4	---
Polonium 210, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radium 226, Suspended	pCi/L	5		0.3	1	0	0.3	0.3	0.3	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			3380	1	0	3380	3380	3380	---
Data Quality Parameters										
A/C Balance (± 5)	%			7.13	1	0	7.13	7.13	7.13	---
Anions	meq/l			13.6	1	0	13.6	13.6	13.6	---
Cations	meq/l			15.6	1	0	15.6	15.6	15.6	---
Solids, Total Dissolved Calculated	mg/L			918	1	0	918	918	918	---
TDS Balance (0.80 - 1.20)	dec. %			1.02	1	0	1.02	1.02	1.02	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				688	688	688	688	688	688
Month Sampled				Apr-08	Apr-08	Jun-08	Jun-08	Jul-08	Jul-08
Date and Time Collected				4/2/2008 6:07:00 PM	4/22/2008 1:26:00 PM	6/10/2008 4:37:00 PM	6/30/2008 6:39:00 PM	7/7/2008 6:49:00 PM	7/28/2008 3:45:00 PM
Lab ID				R08040058 -001	R08040287 -002	R08060210 -002	R08070005 -002	R08070115 -006	R08070471 -001
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1059	1096	1259	1212	1274	1394
Field Dissolved Oxygen	mg/L			2.12	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.21	9.68	8.35	8.49	8.37	8.45
Field Temperature	Deg C			12.23	11.96	12.35	12.85	12.33	12.46
Field Turbidity	NTUs			2	5.8	NM	3.8	9.3	6.1
Water Level Elevation	ft AMSL			NM	3662.22	3669.41	3662.01	NM	3662.68
Physical Properties									
Conductivity @ 25 C	umhos/cm			1180	1070	1260	1140	1170	1280
Oxidation-Reduction Potential	mV			110	280	180	220	240	290
pH, Laboratory	s.u.		6.5-8.5	10.3	9.15	8.82	8.6	8.33	8.21
Sodium Adsorption Ratio (SAR)	unitless			7.6	5.9	6.9	6.2	5.4	5.5
Solids, Total Dissolved TDS @ 180 C	mg/L		500	690	690	740	770	780	790
Major Ions									
Alkalinity, Total as CaCO3	mg/L			98	90	100	136	160	160
Bicarbonate as HCO3	mg/L			12	76	107	156	190	195
Calcium, Dissolved	mg/L			25.8	50.1	34.1	40.4	49.3	50
Carbonate as CO3	mg/L			53	17	7	<5	<5	<5
Chloride	mg/L		250	13	10	11	11	11	11
Fluoride	mg/L	4	2	0.4	0.5	0.5	0.6	0.5	0.5
Magnesium, Dissolved	mg/L			13.6	20.5	16.6	19.2	20	21.1
Nitrogen, Ammonia as N	mg/L			0.5	0.1	0.1	0.2	0.1	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			16.8	12.2	12.5	12.9	15.6	12
Silica	mg/L			7.9	3.7	3.7	3.8	1.9	4.1
Sodium, Dissolved	mg/L			193	197 d	195 d	191 d	177	183 d
Sulfate, Total	mg/L		250	428 d	390	398	407 d	413 d	445 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.002	0.001	0.002	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	0.04	<0.03	0.03	0.05
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	<0.01	0.06	0.02	0.02	0.04	0.04
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		<0.0008	0.0147	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.002	<0.002	0.003 d	0.003	0.015
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.07	0.05	0.15	0.08	0.18	0.14
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.003	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.03	0.01	0.01	0.02	0.04	0.05
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.0002
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	<0.0001	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	0.003 d	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.2	1.2	1.1	1.1	1.4	1.2
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Dewey-Burdock Hydro ID				688	688	688	688	688	688
Month Sampled				Apr-08	Apr-08	Jun-08	Jun-08	Jul-08	Jul-08
Date and Time Collected				4/2/2008 6:07:00 PM	4/22/2008 1:26:00 PM	6/10/2008 4:37:00 PM	6/30/2008 6:39:00 PM	7/7/2008 6:49:00 PM	7/28/2008 3:45:00 PM
Lab ID				R08040058 -001	R08040287 -002	R08060210 -002	R08070005 -002	R08070115 -006	R08070471 -001
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		2.9	10.1	17.3	13.2	29.8	3.9
Gross Beta, Dissolved	pCi/L			8.8	16.9	17.1	16.5	14.1	14.3
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	1000	990	950
Lead 210, Dissolved	pCi/L			0 j	-2.7 j	-0.5 j	-0.1 j	-0.4 j	-6 j
Polonium 210, Dissolved	pCi/L			1	1.9	0 j	0 j	0.9 j	0.2 j
Radium 226, Dissolved	pCi/L	5		0.3	1.2	2.5	0.6	6.7	0.6
Thorium 230, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0.1 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			-0.4 j	-0.1 j	4.8 j	-2.3 j	-6 j	-0.6 j
Polonium 210, Suspended	pCi/L			1	0.4 j	0.2 j	0.3 j	0.1 j	0 j
Radium 226, Suspended	pCi/L	5		0.9	0.02 j	-0.3 j	-0.3 j	-0.3 j	-0.4 j
Thorium 230, Suspended	pCi/L			0.7	15.9	0.1 j	0 j	0.1 j	0.2 j
Radionuclides, Total									
Radon 222, Total	pCi/L			608 h	307	749	426	227	1160
Data Quality Parameters									
A/C Balance (± 5)	%			-0.06	12.1	5.73	3.05	0.43	-1.16
Anions	meq/l			11.3	10.2	10.6	11.5	12.1	12.8
Cations	meq/l			11.3	13.1	11.9	12.3	12.2	12.5
Solids, Total Dissolved Calculated	mg/L			771	744	738	774	788	830
TDS Balance (0.80 - 1.20)	dec. %			0.89	0.92	1.01	0.99	0.99	0.95

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

Dewey-Burdock Hydro ID				688	688	688	688	688	688
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Date and Time Collected				8/20/2008 10:07:00 AM	9/30/2008 8:30:00 AM	10/20/2008 12:15:00 PM	11/18/2008 10:00:00 AM	12/22/2008 9:45:00 AM	1/20/2009 3:35:00 PM
Lab ID				R08080332 -001	R08100014 -001	R08100295 -005	R08110211 -004	R08120281 -001	R09010301 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1159	1270	1220	1240	1260	1270
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	8.11	8.14	8.04	8.14	8.23	8.17
Field Temperature	Deg C			12.51	11.5	11.8	11.3	10.2	11.7
Field Turbidity	NTUs			4.4	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3662.6	3662.5	3662.56	3662.54	3663.83	3662.7
Physical Properties									
Conductivity @ 25 C	umhos/cm			1430	1160	1260	1140	1110	1210
Oxidation-Reduction Potential	mV			180	290	170	270	260	240
pH, Laboratory	s.u.		6.5-8.5	8.35	7.9	8.15	8.19	7.87	8
Sodium Adsorption Ratio (SAR)	unitless			5.8	6	5.9	6	5.9	5.7
Solids, Total Dissolved TDS @ 180 C	mg/L		500	810	790	810	780	780 h	800
Major Ions									
Alkalinity, Total as CaCO3	mg/L			166	166	162	146	166	166
Bicarbonate as HCO3	mg/L			202	202	197	178	202	197
Calcium, Dissolved	mg/L			51.7	52.4	49	51.2	48.7	48.8
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	11	11	12	12	12	11
Fluoride	mg/L	4	2	0.6	0.6	0.4	0.5	0.4	0.6
Magnesium, Dissolved	mg/L			21.6	21.8	20.1	21	21.1	20.5
Nitrogen, Ammonia as N	mg/L			0.1	0.2	0.2	0.4	0.7	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.1	12.2	12	12.5	12.3	14.2
Silica	mg/L			3.9	75.3	8.4	8.7	8.9	7.6
Sodium, Dissolved	mg/L			196 d	203 d	193 d	202 d	194 d	189
Sulfate, Total	mg/L		250	425 d	422 d	450 d	421 d	435 d	436 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	0.001	0.002	0.002	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.04	0.04	0.05	<0.03	<0.03	0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.06	0.06	0.06	0.05	0.05
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0009	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.001	0.004 l	0.006 d	0.004 l	0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.24	0.19	0.16	0.34	0.5	0.17 d
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.06	0.06	0.06	0.07	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	0.001	0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.3	1.3	1.3	1.3	1.2	1.3
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Dewey-Burdock Hydro ID				688	688	688	688	688	688
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Date and Time Collected				8/20/2008 10:07:00 AM	9/30/2008 8:30:00 AM	10/20/2008 12:15:00 PM	11/18/2008 10:00:00 AM	12/22/2008 9:45:00 AM	1/20/2009 3:35:00 PM
Lab ID				R08080332 -001	R08100014 -001	R08100295 -005	R08110211 -004	R08120281 -001	R09010301 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	0.01	<0.01	<0.01	<0.01	0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		11.8	4.9	10.2	15	1.9 j	25.6
Gross Beta, Dissolved	pCi/L			11	10.9	14.9	17.4	8.8	15.8
Gross Gamma, Dissolved	pCi/L			0 j	230	310	0 j	720	1100
Lead 210, Dissolved	pCi/L			3.8 j	-0.1 j	1.1 j	1.1 j	1 j	1 j
Polonium 210, Dissolved	pCi/L			0 j	0.2 j	0 j	0 j	0 j	-0.0089 j
Radium 226, Dissolved	pCi/L	5		1.7	0.6	1.6	2.7	0.7	3.8
Thorium 230, Dissolved	pCi/L			0 j	-0.1 j	0 j	0 j	0 j	0.1 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			-6 j	1.2 j	-3 j	-5 j	0.1 j	3.2 j
Polonium 210, Suspended	pCi/L			-0.1 j	0.15 j	0 j	-0.061 j	0 j	-0.0045 j
Radium 226, Suspended	pCi/L	5		-0.3 j	0.09 j	-0.3 j	0.2 j	0.1 j	0.1 j
Thorium 230, Suspended	pCi/L			0 j	-0.1 j	0 j	-0.2 j	0.1 j	-0.1 j
Radionuclides, Total									
Radon 222, Total	pCi/L			449	535 h	184	162	81.1 j	152
Data Quality Parameters									
A/C Balance (± 5)	%			2.75	4.37	-0.51	5.5	0.99	-0.14
Anions	meq/l			12.5	12.4	13	12	12.7	12.8
Cations	meq/l			13.2	13.6	12.8	13.4	13	12.7
Solids, Total Dissolved Calculated	mg/L			829	1030	857	831	848	840
TDS Balance (0.80 - 1.20)	dec. %			0.97	0.77	0.95	0.94	0.92	0.95

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

Dewey-Burdock Hydro ID				688	Summary Statistics for Hydro ID 688					
Month Sampled				Feb-09						
Date and Time Collected				2/24/2009 1:23:00 PM						
Lab ID				R09020293 -006						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1190	13	0	1059	1394	1223.3077	85.417001
Field Dissolved Oxygen	mg/L			NM	1	0	2.12	2.12	2.12	---
Field pH	s.u.		6.5-8.5	8.31	13	0	8.04	9.68	8.4376923	0.4768674
Field Temperature	Deg C			12.3	13	0	10.2	12.85	11.960769	0.6867855
Field Turbidity	NTUs			NM	6	0	2	9.3	5.2333333	2.4824719
Water Level Elevation	ft AMSL			3662.83	11	0	3662.01	3669.41	3663.2618	2.0892095
Physical Properties										
Conductivity @ 25 C	umhos/cm			1200	13	0	1070	1430	1200.7692	92.056282
Oxidation-Reduction Potential	mV			120	13	0	110	290	219.23077	61.976009
pH, Laboratory	s.u.		6.5-8.5	8.03	13	0	7.87	10.3	8.4538462	0.6664025
Sodium Adsorption Ratio (SAR)	unitless			5.3	13	0	5.3	7.6	6.0076923	0.6237809
Solids, Total Dissolved TDS @ 180 C	mg/L		500	830	13	0	690	830	773.84615	43.115825
Major Ions										
Alkalinity, Total as CaCO3	mg/L			166	13	0	90	166	144.76923	29.275
Bicarbonate as HCO3	mg/L			202	13	0	12	202	162.76923	60.503655
Calcium, Dissolved	mg/L			52 d	13	0	25.8	52.4	46.423077	8.0777631
Carbonate as CO3	mg/L			<5	13	10	<5	53	7.8461538	14.169193
Chloride	mg/L		250	11	13	0	10	13	11.307692	0.7510676
Fluoride	mg/L	4	2	0.6	13	0	0.4	0.6	0.5153846	0.0800641
Magnesium, Dissolved	mg/L			21.4	13	0	13.6	21.8	19.884615	2.3215821
Nitrogen, Ammonia as N	mg/L			0.2	13	0	0.1	0.7	0.2461538	0.1808101
Nitrogen, Nitrate as N	mg/L	10		<0.1	13	13	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	13	13	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.1	13	0	12	16.8	13.030769	1.541852
Silica	mg/L			7.5	13	0	1.9	75.3	11.184615	19.414721
Sodium, Dissolved	mg/L			181	13	0	177	203	191.84615	7.7119621
Sulfate, Total	mg/L		250	460 d	13	0	390	460	425.38462	20.258901
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	13	1	<0.001	0.002	0.0014231	0.0005718
Barium, Dissolved	mg/L	2		<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.03	13	5	<0.03	0.05	0.0296154	0.0136109
Lead, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.06	13	1	<0.01	0.06	0.0442308	0.0184669
Mercury, Dissolved	mg/L	0.002		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	13	13	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	13	12	<0.0003	0.0147	0.0013115	0.0040241
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	13	13	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.003 l	13	1	<0.002	0.015	0.0036154	0.003709
Barium, Total	mg/L	2		<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.2	13	13	<0.1	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.44	13	0	0.05	0.5	0.2084615	0.138675
Lead, Total	mg/L			<0.001	13	12	<0.001	0.001	0.0006154	0.0002996
Manganese, Total	mg/L		0.05	0.07	13	0	0.01	0.07	0.0453846	0.0214536
Mercury, Total	mg/L	0.002		<0.001	13	13	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	13	10	<0.001	0.003	0.0007692	0.0006957
Silver, Total	mg/L		0.1	<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.3	13	0	1.1	1.4	1.2461538	0.0877058
Thallium, Total	mg/L	0.002		<0.001	13	13	<0.001	<0.001	<0.001	<0.001

Dewey-Burdock Hydro ID				688	Summary Statistics for Hydro ID 688					
Month Sampled				Feb-09						
Date and Time Collected				2/24/2009 1:23:00 PM						
Lab ID				R09020293 -006						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0005	13	12	<0.0003	0.0005	0.0001769	9.707E-05
Zinc, Total	mg/L		5	0.01	13	10	<0.01	0.01	0.0061538	0.0021926
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		28.7	13	0	1.9	29.8	13.484615	9.5668565
Gross Beta, Dissolved	pCi/L			19.2	13	0	8.8	19.2	14.284615	3.3992269
Gross Gamma, Dissolved	pCi/L			0 j	13	0	0	1100	407.69231	465.40581
Lead 210, Dissolved	pCi/L			-1 j	13	0	-6	3.8	-0.215385	2.2908682
Polonium 210, Dissolved	pCi/L			0.45	13	0	-0.0089	1.9	0.3570077	0.5806369
Radium 226, Dissolved	pCi/L	5		7.9	13	0	0.3	7.9	2.3769231	2.4218291
Thorium 230, Dissolved	pCi/L			0.03 j	13	0	-0.1	0.1	0.01	0.0496655
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-0.9 j	13	0	-6	4.8	-1.153846	3.2920651
Polonium 210, Suspended	pCi/L			-0.054 j	13	0	-0.1	1	0.1485	0.2961528
Radium 226, Suspended	pCi/L	5		0.2 j	13	0	-0.4	0.9	-0.022308	0.3561403
Thorium 230, Suspended	pCi/L			0.1 j	13	0	-0.2	15.9	1.2923077	4.394402
Radionuclides, Total										
Radon 222, Total	pCi/L			218	13	0	81.1	1160	404.46923	303.02785
Data Quality Parameters										
A/C Balance (± 5)	%			-2.71	13	0	-2.71	12.1	2.3338462	3.9241125
Anions	meq/l			13.2	13	0	10.2	13.2	12.084615	0.9343859
Cations	meq/l			12.6	13	0	11.3	13.6	12.661538	0.6357915
Solids, Total Dissolved Calculated	mg/L			858	13	0	738	1030	826	74.146252
TDS Balance (0.80 - 1.20)	dec. %			0.96	13	0	0.77	1.01	0.9392308	0.0603409

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				689	689	689	689	689	689
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Jul-08
Date and Time Collected				3/30/2008 5:25:00 PM	4/21/2008 7:50:00 PM	5/28/2008 10:25:00 PM	6/25/2008 6:18:00 PM	7/1/2008 4:17:00 PM	7/14/2008 4:50:00 PM
Lab ID				R08030315 -007	R08040250 -005	R08050406 -006	R08060452 -004	R08070035 -006	R08070244 -008
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			978	1128	1082	1116	1052	1125
Field Dissolved Oxygen	mg/L			0.18	0.2	0.08	0.12	0.13	NM
Field pH	s.u.		6.5-8.5	7.76	7.77	7.73	7.71	7.8	7.75
Field Temperature	Deg C			15.4	15.43	15.44	15.56	15.6	15.95
Field Turbidity	NTUs			27.9	27.8	24.8	23.8	NM	16.8
Water Level Elevation	ft AMSL			NM	NM	NM	3685.6	3685.42	3685.28
Physical Properties									
Conductivity @ 25 C	umhos/cm			1080	1110	1010	1270	1010	1040
Oxidation-Reduction Potential	mV			190	300	210	150	220	190
pH, Laboratory	s.u.		6.5-8.5	7.85	8.02	7.8	8.08	7.84	7.83
Sodium Adsorption Ratio (SAR)	unitless			5.4	5.7	5.8	5.6	5.6	5.6
Solids, Total Dissolved TDS @ 180 C	mg/L		500	720	760	730	700	710	730
Major Ions									
Alkalinity, Total as CaCO3	mg/L			150	148	148	150	150	148
Bicarbonate as HCO3	mg/L			183	180	180	183	183	180
Calcium, Dissolved	mg/L			43.8	48.5	49.2	46.7	49.6	44.8
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	7	5	5	5	5	5
Fluoride	mg/L	4	2	0.5	0.5	0.5	0.5	0.5	0.6
Magnesium, Dissolved	mg/L			15.6	16.8	16.4	16	16.9	16.4
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.4	7.9	8.1	7.7	7.8	10.7
Silica	mg/L			7.7	8	4.6	4.3	5	2
Sodium, Dissolved	mg/L			165	180	184 d	174 d	179 d	173 d
Sulfate, Total	mg/L		250	421 d	374	400 d	366	354	420 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	0.001	0.001	0.001	<0.02
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.03	0.04	0.04	0.04	0.04	0.04
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0032	0.0037	0.0043	0.0034	0.0032	0.0034
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		0.0005	<0.0003	0.0004	0.0005	<0.0003	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.003	0.002	0.004	0.003	<0.002	<0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.72	0.52	1.33	1.15	2.23	0.82
Lead, Total	mg/L			<0.001	<0.001	<0.001	0.017 d	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.06	0.06	0.08	0.07	0.09	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.0002
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	<0.0001	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	0.003 d	<0.002
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.9	1	1	1	0.9	1
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Dewey-Burdock Hydro ID				689	689	689	689	689	689
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Jul-08
Date and Time Collected				3/30/2008 5:25:00 PM	4/21/2008 7:50:00 PM	5/28/2008 10:25:00 PM	6/25/2008 6:18:00 PM	7/1/2008 4:17:00 PM	7/14/2008 4:50:00 PM
Lab ID				R08030315 -007	R08040250 -005	R08050406 -006	R08060452 -004	R08070035 -006	R08070244 -008
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.0041	0.004	0.0117	0.006	0.0073	0.0041
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		64.3	25.5	34.9	36.5	33.4	36
Gross Beta, Dissolved	pCi/L			21.2	13.2	12.2	15	14.7	9.5
Gross Gamma, Dissolved	pCi/L			86	0 j	150	0 j	930	0 j
Lead 210, Dissolved	pCi/L			-31 j	-2.4 j	6.3 j	-6.5 j	1.1 j	-0.4 j
Polonium 210, Dissolved	pCi/L			1.1	0.7 j	-0.4 j	0 j	0.3 j	0.1 j
Radium 226, Dissolved	pCi/L	5		7.9	4.2	5.7	5.5	7.7	6.1
Thorium 230, Dissolved	pCi/L			0.2 j	0.1 j	0 j	0 j	-0.1 j	0 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			0 j	-0.3 j	-2 j	1 j	-3.9 j	-0.1 j
Polonium 210, Suspended	pCi/L			0.6 j	0.6 j	0.2 j	0.1 j	-0.1 j	0 j
Radium 226, Suspended	pCi/L	5		2	0.02 j	0.5 j	-0.05 j	0.9	-0.4 j
Thorium 230, Suspended	pCi/L			0.2	0.3	0.4	0.4	0.1 j	0.2 j
Radionuclides, Total									
Radon 222, Total	pCi/L			1950	1540	1390	2520	1820	1670
Data Quality Parameters									
A/C Balance (± 5)	%			-4.96	3.98	2.36	2.76	5.87	-2.08
Anions	meq/l			12	10.9	11.5	10.8	10.6	11.9
Cations	meq/l			10.8	11.8	12	11.4	11.9	11.4
Solids, Total Dissolved Calculated	mg/L			771	744	764	718	717	766
TDS Balance (0.80 - 1.20)	dec. %			0.93	1.02	0.95	0.98	0.99	0.95

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

Dewey-Burdock Hydro ID				689	689	689	689	689	689
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Date and Time Collected				8/19/2008 7:18:00 PM	9/23/2008 1:43:00 PM	10/20/2008 2:46:00 PM	11/18/2008 2:02:00 PM	12/17/2008 11:02:00 AM	1/20/2009 1:05:00 PM
Lab ID				R08080301 -005	R08090356 -001	R08100295 -008	R08110211 -011	R08120255 -003	R09010301 -008
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1020	1090	1090	1080	1270	1160
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.23	7.64	7.65	7.65	7.86	7.71
Field Temperature	Deg C			15.74	16.7	15.2	15.9	13.2	14.4
Field Turbidity	NTUs			16.4	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3685.47	3685.31	3684.34	3684.8	3684.11	3686.65
Physical Properties									
Conductivity @ 25 C	umhos/cm			1270	840	1110	982	1100	1080
Oxidation-Reduction Potential	mV			170	230	220	280	280	270
pH, Laboratory	s.u.		6.5-8.5	7.96	7.77	8.11	8.45	7.9	7.71
Sodium Adsorption Ratio (SAR)	unitless			5.9	5.5	5.8	5.8	5.9	5.8
Solids, Total Dissolved TDS @ 180 C	mg/L		500	710	700	730	660	750	780
Major Ions									
Alkalinity, Total as CaCO3	mg/L			148	150	152	150	158	150
Bicarbonate as HCO3	mg/L			180	183	185	183	193	183
Calcium, Dissolved	mg/L			48.8	44.6	44.4	45.3	54.4	44.8
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	5	5	5	5	6	5
Fluoride	mg/L	4	2	0.6	0.6	0.5	0.5	0.5	0.6
Magnesium, Dissolved	mg/L			16.2	15	14.9	15.7	18.1	15.5
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.9	6.9	7.5	7.6	8.5	9
Silica	mg/L			4.3	10.3	9.3	9.6	10.3	8.3
Sodium, Dissolved	mg/L			185 d	165	174 d	179 d	197 d	177
Sulfate, Total	mg/L		250	399 d	362 d	392 d	379 d	408 d	399 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	0.002	<0.001	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.04	0.03	0.04	0.04	0.05	0.04
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0034	0.003	0.0031	0.0033	0.005	0.0035
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	0.0011 d	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.004	0.001	0.004 l	0.006 d	0.005 l	<0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.003	<0.002	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.73	0.45	0.61	0.56	2.38	0.62
Lead, Total	mg/L			0.002	<0.001	<0.001	<0.001	0.004	<0.001
Manganese, Total	mg/L		0.05	0.06	0.05	0.05	0.05	0.09	0.05
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.9	0.9	0.8	0.9	1	1
Thallium, Total	mg/L	0.002		<0.001	<0.001	0.002	<0.001	<0.001	<0.001

Dewey-Burdock Hydro ID				689	689	689	689	689	689
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Date and Time Collected				8/19/2008 7:18:00 PM	9/23/2008 1:43:00 PM	10/20/2008 2:46:00 PM	11/18/2008 2:02:00 PM	12/17/2008 11:02:00 AM	1/20/2009 1:05:00 PM
Lab ID				R08080301 -005	R08090356 -001	R08100295 -008	R08110211 -011	R08120255 -003	R09010301 -008
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.0034 d	0.003	0.0035	0.0031	0.006	0.0036
Zinc, Total	mg/L		5	<0.01	0.09	<0.01	<0.01	0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		36.4	30.9	40	37.9	54.6	52.8
Gross Beta, Dissolved	pCi/L			13.3	9.2	12.9	15.3	23	17.6
Gross Gamma, Dissolved	pCi/L			0 j	960	960	1100	0 j	1000
Lead 210, Dissolved	pCi/L			2.1 j	3.8 j	-0.3 j	-1 j	1.7 j	-0.4 j
Polonium 210, Dissolved	pCi/L			0.6 j	0 j	0.1 j	0.2 j	0 j	-0.031 j
Radium 226, Dissolved	pCi/L	5		4.4	7.5	6.4	6.6	6.2	6.1
Thorium 230, Dissolved	pCi/L			0.1 j	0 j	0.1 j	0.2 j	0 j	0 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			-9 j	0.2 j	-0.2 j	-0.6 j	1.4 j	-6 j
Polonium 210, Suspended	pCi/L			0.1 j	0.16 j	0.1 j	-0.039 j	0.3 j	0.025 j
Radium 226, Suspended	pCi/L	5		-0.4 j	0.2 j	-0.4 j	-0.04 j	0.4 j	-0.4 j
Thorium 230, Suspended	pCi/L			0.2 j	0.2 j	-0.2 j	-0.2 j	0.1 j	-0.2 j
Radionuclides, Total									
Radon 222, Total	pCi/L			2520	1520	2410	2580	1130	1850
Data Quality Parameters									
A/C Balance (± 5)	%			2.54	0.52	-0.72	2.1	4.66	-0.13
Anions	meq/l			11.4	10.7	11.4	11.1	11.8	11.5
Cations	meq/l			12	10.8	11.2	11.6	13	11.5
Solids, Total Dissolved Calculated	mg/L			764	718	755	749	815	765
TDS Balance (0.80 - 1.20)	dec. %			0.93	0.98	0.97	0.88	0.92	1.02

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				689	Summary Statistics for Hydro ID 689					
Month Sampled				Feb-09						
Date and Time Collected				2/24/2009 4:04:00 PM						
Lab ID				R09020293 -010						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1090	13	0	978	1270	1098.5385	69.969774
Field Dissolved Oxygen	mg/L			NM	5	0	0.08	0.2	0.142	0.0481664
Field pH	s.u.		6.5-8.5	7.87	13	0	7.23	7.87	7.7023077	0.1596952
Field Temperature	Deg C			15.5	13	0	13.2	16.7	15.386154	0.8323515
Field Turbidity	NTUs			NM	6	0	16.4	27.9	22.916667	5.1553532
Water Level Elevation	ft AMSL			3686.41	10	0	3684.11	3686.65	3685.339	0.8000618
Physical Properties										
Conductivity @ 25 C	umhos/cm			1040	13	0	840	1270	1072.4615	113.23472
Oxidation-Reduction Potential	mV			130	13	0	130	300	218.46154	52.890792
pH, Laboratory	s.u.		6.5-8.5	7.77	13	0	7.71	8.45	7.93	0.1992068
Sodium Adsorption Ratio (SAR)	unitless			2.4	13	0	2.4	5.9	5.4461538	0.9279147
Solids, Total Dissolved TDS @ 180 C	mg/L		500	690	13	0	660	780	720.76923	31.48056
Major Ions										
Alkalinity, Total as CaCO3	mg/L			148	13	0	148	158	150	2.7080128
Bicarbonate as HCO3	mg/L			180	13	0	180	193	182.76923	3.5155333
Calcium, Dissolved	mg/L			45 d	13	0	43.8	54.4	46.915385	3.0438041
Carbonate as CO3	mg/L			<5	13	13	<5	<5	<5	<5
Chloride	mg/L		250	5	13	0	5	7	5.2307692	0.5991447
Fluoride	mg/L	4	2	0.6	13	0	0.5	0.6	0.5384615	0.050637
Magnesium, Dissolved	mg/L			14	13	0	14	18.1	15.961538	1.0372548
Nitrogen, Ammonia as N	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	13	13	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	13	13	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.5	13	0	6.9	10.7	8.1153846	0.9467894
Silica	mg/L			8.3	13	0	2	10.3	7.0769231	2.7074446
Sodium, Dissolved	mg/L			158	13	0	158	197	176.15385	10.015373
Sulfate, Total	mg/L		250	380 d	13	0	354	421	388.76923	21.533516
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	13	5	<0.001	0.002	0.0016154	0.0025508
Barium, Dissolved	mg/L	2		<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	13	12	<0.1	0.1	0.0538462	0.0138675
Cadmium, Dissolved	mg/L	0.005		<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	13	13	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.04	13	0	0.03	0.05	0.0392308	0.0049355
Mercury, Dissolved	mg/L	0.002		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.003	13	0	0.003	0.005	0.0035	0.0005657
Vanadium, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	13	9	<0.0003	0.0011	0.0002962	0.0002787
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	13	13	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.003 l	13	5	<0.001	0.006	0.0026154	0.0017218
Barium, Total	mg/L	2		<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	13	13	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	13	12	<0.1	0.1	0.0538462	0.0138675
Cadmium, Total	mg/L	0.005		<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.6	13	0	0.45	2.38	0.9784615	0.6396203
Lead, Total	mg/L			0.001	13	9	<0.001	0.017	0.0021923	0.0045622
Manganese, Total	mg/L		0.05	0.05	13	0	0.05	0.09	0.0630769	0.0149358
Mercury, Total	mg/L	0.002		<0.001	13	13	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	13	12	<0.001	0.003	0.0008462	0.0007183
Silver, Total	mg/L		0.1	<0.005	13	13	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			0.9	13	0	0.8	1	0.9384615	0.0650444
Thallium, Total	mg/L	0.002		<0.001	13	12	<0.001	0.002	0.0006154	0.000416

Dewey-Burdock Hydro ID				689	Summary Statistics for Hydro ID 689					
Month Sampled				Feb-09						
Date and Time Collected				2/24/2009 4:04:00 PM						
Lab ID				R09020293 -010						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0032	13	0	0.003	0.0117	0.0048462	0.0024514
Zinc, Total	mg/L		5	0.02	13	10	<0.01	0.09	0.0130769	0.0234999
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		23.9	13	0	23.9	64.3	39.007692	11.626655
Gross Beta, Dissolved	pCi/L			12	13	0	9.2	23	14.546154	4.0617351
Gross Gamma, Dissolved	pCi/L			0 j	13	0	0	1100	398.92308	489.82828
Lead 210, Dissolved	pCi/L			0.5 j	13	0	-31	6.3	-2.038462	9.2163386
Polonium 210, Dissolved	pCi/L			0.44 j	13	0	-0.4	1.1	0.2391538	0.3895544
Radium 226, Dissolved	pCi/L	5		5.4	13	0	4.2	7.9	6.1307692	1.1404565
Thorium 230, Dissolved	pCi/L			-0.001 j	13	0	-0.1	0.2	0.0460769	0.0877501
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-2 j	13	0	-9	1.4	-1.653846	3.0021146
Polonium 210, Suspended	pCi/L			0.35 j	13	0	-0.1	0.6	0.1843077	0.2233541
Radium 226, Suspended	pCi/L	5		-0.2 j	13	0	-0.4	2	0.1638462	0.682856
Thorium 230, Suspended	pCi/L			0.2 j	13	0	-0.2	0.4	0.1307692	0.2097006
Radionuclides, Total										
Radon 222, Total	pCi/L			1810	13	0	1130	2580	1900.7692	473.52335
Data Quality Parameters										
A/C Balance (± 5)	%			-2.77	13	0	-4.96	5.87	1.0869231	3.1372769
Anions	meq/l			11.1	13	0	10.6	12	11.284615	0.4597937
Cations	meq/l			10.5	13	0	10.5	13	11.530769	0.6511331
Solids, Total Dissolved Calculated	mg/L			722	13	0	717	815	751.38462	28.132243
TDS Balance (0.80 - 1.20)	dec. %			0.95	13	0	0.88	1.02	0.9592308	0.0398877

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				690	Summary Statistics for Hydro ID 690					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 6:10:00 PM						
Lab ID				R08070115 -005						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2112	1	0	2112	2112	2112	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.36	1	0	9.36	9.36	9.36	---
Field Temperature	Deg C			14.12	1	0	14.12	14.12	14.12	---
Field Turbidity	NTUs			13.2	1	0	13.2	13.2	13.2	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2000	1	0	2000	2000	2000	---
Oxidation-Reduction Potential	mV			220	1	0	220	220	220	---
pH, Laboratory	s.u.		6.5-8.5	9.27	1	0	9.27	9.27	9.27	---
Sodium Adsorption Ratio (SAR)	unitless			10	1	0	10	10	10	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1400	1	0	1400	1400	1400	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			38	1	0	38	38	38	---
Bicarbonate as HCO3	mg/L			32	1	0	32	32	32	---
Calcium, Dissolved	mg/L			42.1	1	0	42.1	42.1	42.1	---
Carbonate as CO3	mg/L			7	1	0	7	7	7	---
Chloride	mg/L		250	30	1	0	30	30	30	---
Fluoride	mg/L	4	2	0.5	1	0	0.5	0.5	0.5	---
Magnesium, Dissolved	mg/L			25.4	1	0	25.4	25.4	25.4	---
Nitrogen, Ammonia as N	mg/L			0.3	1	0	0.3	0.3	0.3	---
Nitrogen, Nitrate as N	mg/L	10		0.2	1	0	0.2	0.2	0.2	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			14	1	0	14	14	14	---
Silica	mg/L			<0.5	1	1	<0.5	<0.5	<0.5	---
Sodium, Dissolved	mg/L			342	1	0	342	342	342	---
Sulfate, Total	mg/L		250	807 d	1	0	807	807	807	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.7	1	0	0.7	0.7	0.7	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.7	1	0	0.7	0.7	0.7	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.48	1	0	1.48	1.48	1.48	---
Lead, Total	mg/L			0.019	1	0	0.019	0.019	0.019	---
Manganese, Total	mg/L		0.05	0.02	1	0	0.02	0.02	0.02	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			2.6	1	0	2.6	2.6	2.6	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

Dewey-Burdock Hydro ID				690	Summary Statistics for Hydro ID 690					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 6:10:00 PM						
Lab ID				R08070115 -005						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Zinc, Total	mg/L		5	0.2	1	0	0.2	0.2	0.2	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		4.8 j	1	0	4.8	4.8	4.8	---
Gross Beta, Dissolved	pCi/L			6.1	1	0	6.1	6.1	6.1	---
Gross Gamma, Dissolved	pCi/L			1100	1	0	1100	1100	1100	---
Lead 210, Dissolved	pCi/L			1.8 j	1	0	1.8	1.8	1.8	---
Polonium 210, Dissolved	pCi/L			0.7 j	1	0	0.7	0.7	0.7	---
Radium 226, Dissolved	pCi/L	5		0.2 j	1	0	0.2	0.2	0.2	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-5.7 j	1	0	-5.7	-5.7	-5.7	---
Polonium 210, Suspended	pCi/L			0.1 j	1	0	0.1	0.1	0.1	---
Radium 226, Suspended	pCi/L	5		-0.3 j	1	0	-0.3	-0.3	-0.3	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			194	1	0	194	194	194	---
Data Quality Parameters										
A/C Balance (± 5)	%			2.66	1	0	2.66	2.66	2.66	---
Anions	meq/l			18.4	1	0	18.4	18.4	18.4	---
Cations	meq/l			19.4	1	0	19.4	19.4	19.4	---
Solids, Total Dissolved Calculated	mg/L			1280	1	0	1280	1280	1280	---
TDS Balance (0.80 - 1.20)	dec. %			1.09	1	0	1.09	1.09	1.09	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

Dewey-Burdock Hydro ID				691	Summary Statistics for Hydro ID 691					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 7:17:00 PM						
Lab ID				R08070035 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			5454	1	0	5454	5454	5454	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	12.67	1	0	12.67	12.67	12.67	---
Field Temperature	Deg C			12.93	1	0	12.93	12.93	12.93	---
Field Turbidity	NTUs			1.1	1	0	1.1	1.1	1.1	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			5360	1	0	5360	5360	5360	---
Oxidation-Reduction Potential	mV			24	1	0	24	24	24	---
pH, Laboratory	s.u.		6.5-8.5	12.4	1	0	12.4	12.4	12.4	---
Sodium Adsorption Ratio (SAR)	unitless			6.5	1	0	6.5	6.5	6.5	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1500	1	0	1500	1500	1500	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			1160	1	0	1160	1160	1160	---
Bicarbonate as HCO3	mg/L			<5	1	1	<5	<5	<5	---
Calcium, Dissolved	mg/L			251	1	0	251	251	251	---
Carbonate as CO3	mg/L			19	1	0	19	19	19	---
Chloride	mg/L		250	113 d	1	0	113	113	113	---
Fluoride	mg/L	4	2	0.3	1	0	0.3	0.3	0.3	---
Magnesium, Dissolved	mg/L			<0.5	1	1	<0.5	<0.5	<0.5	---
Nitrogen, Ammonia as N	mg/L			1.2	1	0	1.2	1.2	1.2	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			16.7	1	0	16.7	16.7	16.7	---
Silica	mg/L			0.8	1	0	0.8	0.8	0.8	---
Sodium, Dissolved	mg/L			373 d	1	0	373	373	373	---
Sulfate, Total	mg/L		250	159 d	1	0	159	159	159	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		0.5	1	0	0.5	0.5	0.5	---
Boron, Dissolved	mg/L			0.1	1	0	0.1	0.1	0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			0.011	1	0	0.011	0.011	0.011	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	0.01	1	0	0.01	0.01	0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.002	1	1	<0.002	<0.002	<0.002	---
Barium, Total	mg/L	2		0.5	1	0	0.5	0.5	0.5	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.1	1	0	0.1	0.1	0.1	---
Lead, Total	mg/L			0.035	1	0	0.035	0.035	0.035	---
Manganese, Total	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.003 d	1	0	0.003	0.003	0.003	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			5.3	1	0	5.3	5.3	5.3	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

Dewey-Burdock Hydro ID				691	Summary Statistics for Hydro ID 691					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 7:17:00 PM						
Lab ID				R08070035 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		2.9 j	1	0	2.9	2.9	2.9	---
Gross Beta, Dissolved	pCi/L			15.4	1	0	15.4	15.4	15.4	---
Gross Gamma, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Lead 210, Dissolved	pCi/L			0.5 j	1	0	0.5	0.5	0.5	---
Polonium 210, Dissolved	pCi/L			-0.1 j	1	0	-0.1	-0.1	-0.1	---
Radium 226, Dissolved	pCi/L	5		1.2	1	0	1.2	1.2	1.2	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			2.2 j	1	0	2.2	2.2	2.2	---
Polonium 210, Suspended	pCi/L			-0.1 j	1	0	-0.1	-0.1	-0.1	---
Radium 226, Suspended	pCi/L	5		0.2 j	1	0	0.2	0.2	0.2	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			119	1	0	119	119	119	---
Data Quality Parameters										
A/C Balance (± 5)	%			-0.59	1	0	-0.59	-1	-0.59	---
Anions	meq/l			29.6	1	0	29.6	29.6	29.6	---
Cations	meq/l			29.3	1	0	29.3	29.3	29.3	---
Solids, Total Dissolved Calculated	mg/L			1610	1	0	1610	1610	1610	---
TDS Balance (0.80 - 1.20)	dec. %			0.95	1	0	0.95	0.95	0.95	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				692	Summary Statistics for Hydro ID 692					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 1:39:00 PM						
Lab ID				R08070115 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1264	1	0	1264	1264	1264	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.44	1	0	7.44	7.44	7.44	---
Field Temperature	Deg C			12.62	1	0	12.62	12.62	12.62	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1260	1	0	1260	1260	1260	---
Oxidation-Reduction Potential	mV			180	1	0	180	180	180	---
pH, Laboratory	s.u.		6.5-8.5	7.6	1	0	7.6	7.6	7.6	---
Sodium Adsorption Ratio (SAR)	unitless			2	1	0	2	2	2	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	1	0	940	940	940	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			186	1	0	186	186	186	---
Bicarbonate as HCO3	mg/L			227	1	0	227	227	227	---
Calcium, Dissolved	mg/L			131	1	0	131	131	131	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	8	1	0	8	8	8	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			46.5	1	0	46.5	46.5	46.5	---
Nitrogen, Ammonia as N	mg/L			0.2	1	0	0.2	0.2	0.2	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			14.7	1	0	14.7	14.7	14.7	---
Silica	mg/L			4.8	1	0	4.8	4.8	4.8	---
Sodium, Dissolved	mg/L			105 d	1	0	105	105	105	---
Sulfate, Total	mg/L		250	483 d	1	0	483	483	483	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.002	1	0	0.002	0.002	0.002	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.1	1	0	0.1	0.1	0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.14	1	0	0.14	0.14	0.14	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		0.002	1	0	0.002	0.002	0.002	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0135	1	0	0.0135	0.0135	0.0135	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			0.002	1	0	0.002	0.002	0.002	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.0067	1	0	0.0067	0.0067	0.0067	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.005	1	0	0.005	0.005	0.005	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	0.01	1	0	0.01	0.01	0.01	---
Iron, Total	mg/L		0.3	7.24	1	0	7.24	7.24	7.24	---
Lead, Total	mg/L			0.006	1	0	0.006	0.006	0.006	---
Manganese, Total	mg/L		0.05	0.24	1	0	0.24	0.24	0.24	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			3.2	1	0	3.2	3.2	3.2	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

Dewey-Burdock Hydro ID				692	Summary Statistics for Hydro ID 692					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 1:39:00 PM						
Lab ID				R08070115 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0202	1	0	0.0202	0.0202	0.0202	---
Zinc, Total	mg/L		5	0.03	1	0	0.03	0.03	0.03	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		1450	1	0	1450	1450	1450	---
Gross Beta, Dissolved	pCi/L			447	1	0	447	447	447	---
Gross Gamma, Dissolved	pCi/L			2400	1	0	2400	2400	2400	---
Lead 210, Dissolved	pCi/L			22.5	1	0	22.5	22.5	22.5	---
Polonium 210, Dissolved	pCi/L			3.5	1	0	3.5	3.5	3.5	---
Radium 226, Dissolved	pCi/L	5		484	1	0	484	484	484	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			125	1	0	125	125	125	---
Polonium 210, Suspended	pCi/L			12	1	0	12	12	12	---
Radium 226, Suspended	pCi/L	5		96.1	1	0	96.1	96.1	96.1	---
Thorium 230, Suspended	pCi/L			2.6	1	0	2.6	2.6	2.6	---
Radionuclides, Total										
Radon 222, Total	pCi/L			590000	1	0	590000	590000	590000	---
Data Quality Parameters										
A/C Balance (± 5)	%			4.52	1	0	4.52	4.52	4.52	---
Anions	meq/l			14	1	0	14	14	14	---
Cations	meq/l			15.4	1	0	15.4	15.4	15.4	---
Solids, Total Dissolved Calculated	mg/L			914	1	0	914	914	914	---
TDS Balance (0.80 - 1.20)	dec. %			1.02	1	0	1.02	1.02	1.02	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				693	Summary Statistics for Hydro ID 693					
Quarter Sampled				SA						
Date and Time Collected				7/1/2008 7:39:00 PM						
Lab ID				R08070035 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2083	1	0	2083	2083	2083	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.27	1	0	9.27	9.27	9.2	---
Field Temperature	Deg C			14.52	1	0	14.52	14.52	14.5	---
Field Turbidity	NTUs			9.2	1	0	9.2	9.2	9.2	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1650	1	0	1650	1650	1650	---
Oxidation-Reduction Potential	mV			210	1	0	210	210	210	---
pH, Laboratory	s.u.		6.5-8.5	9.03	1	0	9.03	9.03	9	---
Sodium Adsorption Ratio (SAR)	unitless			9.1	1	0	9.1	9.1	9.1	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1400	1	0	1400	1400	1400	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			68	1	0	68	68	68	---
Bicarbonate as HCO3	mg/L			68	1	0	68	68	68	---
Calcium, Dissolved	mg/L			73.7	1	0	73.7	73.7	73.7	---
Carbonate as CO3	mg/L			7	1	0	7	7	7	---
Chloride	mg/L		250	38 d	1	0	38	38	38	---
Fluoride	mg/L	4	2	0.6	1	0	0.6	0.6	0.6	---
Magnesium, Dissolved	mg/L			35.2	1	0	35.2	35.2	35.2	---
Nitrogen, Ammonia as N	mg/L			0.3	1	0	0.3	0.3	0.3	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			8.6	1	0	8.6	8.6	8.6	---
Silica	mg/L			5	1	0	5	5	5	---
Sodium, Dissolved	mg/L			380 d	1	0	380	380	380	---
Sulfate, Total	mg/L		250	886	1	0	886	886	886	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			1	1	0	1	1	1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	0.06	1	0	0.06	0.06	0.06	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			1.1	1	0	1.1	1.1	1.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.44	1	0	1.44	1.44	1.4	---
Lead, Total	mg/L			<0.003	1	1	<0.003	<0.003	<0.003	---
Manganese, Total	mg/L		0.05	0.01	1	0	0.01	0.01	0.01	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.005 d	1	0	0.005	0.005	0.005	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			2.1	1	0	2.1	2.1	2.1	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

Dewey-Burdock Hydro ID				693	Summary Statistics for Hydro ID 693					
Quarter Sampled				SA						
Date and Time Collected				7/1/2008 7:39:00 PM						
Lab ID				R08070035 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		2.8 j	1	0	2.8	2.8	2.8	---
Gross Beta, Dissolved	pCi/L			2.7 j	1	0	2.7	2.7	2.7	---
Gross Gamma, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Lead 210, Dissolved	pCi/L			1.3 j	1	0	1.3	1.3	1.3	---
Polonium 210, Dissolved	pCi/L			0.3 j	1	0	0.3	0.3	0.3	---
Radium 226, Dissolved	pCi/L	5		0.6	1	0	0.6	0.6	0.6	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-1.3 j	1	0	-1.3	-1.3	-1.3	---
Polonium 210, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radium 226, Suspended	pCi/L	5		0.2 j	1	0	0.2	0.2	0.2	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			424	1	0	424	424	424	---
Data Quality Parameters										
A/C Balance (± 5)	%			5.47	1	0	5.47	5.47	5.4	---
Anions	meq/l			20.9	1	0	20.9	20.9	20.9	---
Cations	meq/l			23.3	1	0	23.3	23.3	23.3	---
Solids, Total Dissolved Calculated	mg/L			1480	1	0	1480	1480	1480	---
TDS Balance (0.80 - 1.20)	dec. %			0.98	1	0	0.98	0.98	0.9	---

* 1/2 RL used to calculate the mean wherer non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				694	694	694	694	694	694	694	694
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/31/2008 1:41:00 PM	4/22/2008 4:58:00 PM	5/21/2008 11:55:00 AM	6/24/2008 3:08:00 PM	7/14/2008 3:10:00 PM	8/20/2008 3:10:00 PM	9/23/2008 9:35:00 AM	10/21/2008 8:45:00 AM
Lab ID				R08040002 -001	R08040287 -007	R08050321 -001	R08060427 -002	R08070244 -004	R08080332 -006	R08090356 -006	R08100295 -014
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1316	1433	1409	1438	1460	1318	1470	1480
Field Dissolved Oxygen	mg/L			0.28	0.3	0.2	0.19	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	8.81	8.57	8.45	7.89	7.65	NM	8.09	8.09
Field Temperature	Deg C			11.73	11.72	10.86	12.06	13.2	12.81	13.1	12
Field Turbidity	NTUs			-0.1	3.5	0.1	0	5.3	4.3	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	3639.8	3639.11
Physical Properties											
Conductivity @ 25 C	umhos/cm			1440	1410	1420	1390	1350	1690	1100	1490
Oxidation-Reduction Potential	mV			170	200	120	99	100	210	190	200
pH, Laboratory	s.u.		6.5-8.5	8.71	8.47	8.35	8.29	8.19	8.29	8.15	8.26
Sodium Adsorption Ratio (SAR)	unitless			11	12	12	12	12	11	11	11
Solids, Total Dissolved TDS @ 180 C	mg/L		500	880	930	930	920	930	930	920	950
Major Ions											
Alkalinity, Total as CaCO3	mg/L			184	182	182	174	180	182	180	180
Bicarbonate as HCO3	mg/L			215	222	222	212	219	222	219	219
Calcium, Dissolved	mg/L			28	29.9	31	31.6	28.8	32.3	30.6	30.3
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	15	12	12	12	13	13	12	13
Fluoride	mg/L	4	2	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.3
Magnesium, Dissolved	mg/L			10	10.4	10.9	11.1	10.2	11	10.6	10.6
Nitrogen, Ammonia as N	mg/L			0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.7	9.3	9.2	9.4	13.4	9.3	8.6	8.9
Silica	mg/L			8.1	4.4	4.7	5	2.1	4.5	<0.5	9.8
Sodium, Dissolved	mg/L			270	293 d	294 d	295 d	291	297 d	280	282 d
Sulfate, Total	mg/L		250	475 d	475	505 d	456	526 d	495 d	506 d	493 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.07	0.09	0.1	0.08	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.06	0.07	0.07	0.06	0.07	0.05	0.06
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.003	0.002	0.002	<0.002	0.003	<0.001	<0.001	<0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.04	0.08	0.1	0.67	0.14	0.1	0.14	0.13
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.06	0.07	0.07	0.07	0.07	0.06	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Dewey-Burdock Hydro ID				694	694	694	694	694	694	694	694
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/31/2008 1:41:00 PM	4/22/2008 4:58:00 PM	5/21/2008 11:55:00 AM	6/24/2008 3:08:00 PM	7/14/2008 3:10:00 PM	8/20/2008 3:10:00 PM	9/23/2008 9:35:00 AM	10/21/2008 8:45:00 AM
Lab ID				R08040002 -001	R08040287 -007	R08050321 -001	R08060427 -002	R08070244 -004	R08080332 -006	R08090356 -006	R08100295 -014
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		3.9	5.2	14.3	23.9	4	7.1	5.9	9.8
Gross Beta, Dissolved	pCi/L			-2.1 j	10.7	9	9.9	3.7 j	6.7	8.2	9.1
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0 j	1000	1100
Lead 210, Dissolved	pCi/L			-11.2 j	-4.9 j	-2.7 j	-5.3 j	-3 j	3.4 j	-1 j	-1 j
Polonium 210, Dissolved	pCi/L			0.6 j	0.9 j	-0.2 j	0.2 j	-0.1 j	-0.3 j	0 j	0.1 j
Radium 226, Dissolved	pCi/L	5		1	0.5	1.8	3.3	0.4	1.3	1.5	0.8
Thorium 230, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0 j	0 j	0 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	0 j	2.1 j	5.6 j	1.1 j	0.2 j	-0.9 j	-0.7 j
Polonium 210, Suspended	pCi/L			0.5 j	0.6 j	0 j	0.5 j	0 j	0.1 j	-0.062 j	0 j
Radium 226, Suspended	pCi/L	5		0.6	-0.2 j	-0.1 j	-0.4 j	-0.4 j	-0.1 j	-0.2 j	-0.3 j
Thorium 230, Suspended	pCi/L			0.2 j	0.2 j	0.1 j	0 j	0 j	0 j	-0.1 j	-0.3 j
Radionuclides, Total											
Radon 222, Total	pCi/L			190	185	497	517	228	343	214	260
Data Quality Parameters											
A/C Balance (± 5)	%			0.93	5.13	3.21	7.89	1.3	4.56	1.13	2.18
Anions	meq/l			14	13.9	14.5	13.3	14.9	14.3	14.5	14.3
Cations	meq/l			14.3	15.4	15.5	15.6	15.3	15.7	14.8	14.9
Solids, Total Dissolved Calculated	mg/L			941	951	984	934	996	978	957	973
TDS Balance (0.80 - 1.20)	dec. %			0.94	0.98	0.94	0.99	0.93	0.96	0.96	0.97

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				694	694	694	694	Summary Statistics for Hydro ID 694					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 8:45:00 AM	12/17/2008 4:05:00 PM	1/20/2009 4:55:00 PM	2/24/2009 5:31:00 PM						
Lab ID				R08110211 -002	R08120255 -012	R09010301 -013	R09020293 -015						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1460	1500	1450	1450	12	0	1316	1500	1432	58.469883
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	4	0	0.19	0.3	0.2425	0.0556028
Field pH	s.u.		6.5-8.5	8.11	8.22	7.51	8.24	11	0	7.51	8.81	8.1481818	0.3809152
Field Temperature	Deg C			10.4	9.9	12.7	11.3	12	0	9.9	13.2	11.815	1.0574369
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	-0.1	5.3	2.1833333	2.459607
Water Level Elevation	ft AMSL			3639.57	3627.81	3649.03	3639.13	6	0	3627.81	3649.03	3639.075	6.734644
Physical Properties													
Conductivity @ 25 C	umhos/cm			1340	1340	1400	1290	12	0	1100	1690	1388.3333	136.37071
Oxidation-Reduction Potential	mV			280	260	240	130	12	0	99	280	183.25	60.927863
pH, Laboratory	s.u.		6.5-8.5	8.03	8.14	8.05	8.08	12	0	8.03	8.71	8.2508333	0.1945371
Sodium Adsorption Ratio (SAR)	unitless			12	11	11	11	12	0	11	12	11.416667	0.5149287
Solids, Total Dissolved TDS @ 180 C	mg/L		500	790	900	920	920	12	0	790	950	910	41.560471
Major Ions													
Alkalinity, Total as CaCO3	mg/L			178	180	178	182	12	0	174	184	180.16667	2.6227443
Bicarbonate as HCO3	mg/L			217	219	217	222	12	0	212	222	218.75	3.1370223
Calcium, Dissolved	mg/L			30.9	29.8	27	31 d	12	0	27	32.3	30.1	1.5219605
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	13	13	12	12	12	0	12	15	12.666667	0.8876254
Fluoride	mg/L	4	2	0.4	0.3	0.5	0.4	12	0	0.3	0.5	0.3833333	0.0717741
Magnesium, Dissolved	mg/L			10.6	10.4	9.6	10.7	12	0	9.6	11.1	10.508333	0.4273775
Nitrogen, Ammonia as N	mg/L			0.4	0.4	0.4	0.4	12	0	0.3	0.4	0.3916667	0.0288675
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.1	9	8.8	10.1	12	0	8.6	13.4	9.5666667	1.272316
Silica	mg/L			9.9	9.9	7.5	8.8	12	1	<0.5	9.9	6.2458333	3.2250059
Sodium, Dissolved	mg/L			293 d	280 d	253	273	12	0	253	297	283.41667	13.180277
Sulfate, Total	mg/L		250	476 d	459 d	483 d	470	12	0	456	526	484.91667	20.698961
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.002	0.0006667	0.0004438
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	12	8	<0.03	0.1	0.0383333	0.0351188
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.06	0.07	0.06	0.06	12	0	0.05	0.07	0.0616667	0.0071774
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	12	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	12	<0.0003	<0.0009	<0.0009	<0.0009
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	8	<0.001	0.003	0.0012083	0.0010104
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	12	<0.1	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.14	0.16	0.14 d	0.1	12	0	0.04	0.67	0.1616667	0.1635311
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.06	0.06	0.06	0.07	12	0	0.05	0.07	0.0633333	0.0065134
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.002	<0.002	<0.002
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.7	0.7	0.8	0.8	12	0	0.7	0.8	0.775	0.0452267
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	12	<0.0003	<0.0003	<0.0003	<0.0003

Dewey-Burdock Hydro ID				694	694	694	694	Summary Statistics for Hydro ID 694					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 8:45:00 AM	12/17/2008 4:05:00 PM	1/20/2009 4:55:00 PM	2/24/2009 5:31:00 PM						
Lab ID				R08110211 -002	R08120255 -012	R09010301 -013	R09020293 -015						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.0054167	0.0014434
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		6.9	8.2	20.2	4.3 j	12	0	3.9	23.9	9.475	6.6008436
Gross Beta, Dissolved	pCi/L			9	9.5	6.4	2 j	12	0	-2.1	10.7	6.8416667	3.8263342
Gross Gamma, Dissolved	pCi/L			0 j	840	940	1000	12	0	0	1100	406.66667	505.84463
Lead 210, Dissolved	pCi/L			0 j	3.2 j	0.4 j	-0.3 j	12	0	-11.2	3.4	-1.866667	4.0007575
Polonium 210, Dissolved	pCi/L			0.2 j	0 j	0 j	-0.094 j	12	0	-0.3	0.9	0.1088333	0.3393442
Radium 226, Dissolved	pCi/L	5		0.8	0.8	1	1.3	12	0	0.4	3.3	1.2083333	0.7727852
Thorium 230, Dissolved	pCi/L			0.2 j	0.1 j	0.1 j	0.2	12	0	0	0.2	0.05	0.0797724
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-6 j	0.5 j	-4 j	0.8 j	12	0	-6	5.6	-0.108333	2.8773278
Polonium 210, Suspended	pCi/L			-0.11 j	0 j	-0.035 j	0.045 j	12	0	-0.11	0.6	0.1281667	0.2508302
Radium 226, Suspended	pCi/L	5		-0.3 j	-0.1 j	-0.4 j	-0.2 j	12	0	-0.4	0.6	-0.175	0.270101
Thorium 230, Suspended	pCi/L			0 j	-0.2 j	-0.1 j	-0.04 j	12	0	-0.3	0.2	-0.02	0.1467218
Radionuclides, Total													
Radon 222, Total	pCi/L			222	182	250	234	12	0	182	517	276.83333	115.86656
Data Quality Parameters													
A/C Balance (± 5)	%			5.4	4.39	-2.22	2.91	12	0	-2.22	7.89	3.0675	2.6485815
Anions	meq/l			13.8	13.5	14	13.8	12	0	13.3	14.9	14.066667	0.453939
Cations	meq/l			15.4	14.8	13.4	14.6	12	0	13.4	15.7	14.975	0.6607503
Solids, Total Dissolved Calculated	mg/L			967	936	921	941	12	0	921	996	956.58333	23.078752
TDS Balance (0.80 - 1.20)	dec. %			0.82	0.97	1	0.98	12	0	0.82	1	0.9533333	0.0469687

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				695	695	695	695	695	695	695	695
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/31/2008 4:31:00 PM	4/22/2008 12:46:00 PM	5/21/2008 2:45:00 PM	6/24/2008 5:30:00 PM	7/14/2008 1:42:00 PM	8/20/2008 2:20:00 PM	9/23/2008 11:00:00 AM	10/21/2008 9:10:00 AM
Lab ID				R08040002 -003	R08040287 -001	R08050321 -003	R08060427 -004	R08070244 -003	R08080332 -005	R08090356 -008	R08100295 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1249	NM	1375	1405	1404	1297	1450	1440
Field Dissolved Oxygen	mg/L			0.14	NM	0.21	0.19	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	8	NM	7.86	7.53	7.26	NM	7.85	7.83
Field Temperature	Deg C			11.28	NM	11.89	11.87	12.75	12.23	13.3	12.3
Field Turbidity	NTUs			-0.1	NM	-0.1	-0.1	5.4	5.5	NM	NM
Water Level Elevation	ft AMSL			3634.12	3630.68	3630.27	3631.05	3631.95	3632.25	3632.62	3631.61
Physical Properties											
Conductivity @ 25 C	umhos/cm			1390	1370	1560	1380	1450	1650	1040	1440
Oxidation-Reduction Potential	mV			230	290	190	120	150	210	150	230
pH, Laboratory	s.u.		6.5-8.5	8.16	8.08	7.91	8.14	7.98	8.08	7.93	8.07
Sodium Adsorption Ratio (SAR)	unitless			7.3	7.8	7.6	7.5	8.1	7.8	7.3	7.5
Solids, Total Dissolved TDS @ 180 C	mg/L		500	870	910	920	920	950	900	880	1100
Major Ions											
Alkalinity, Total as CaCO3	mg/L			176	174	180	174	174	172	174	172
Bicarbonate as HCO3	mg/L			215	212	219	212	212	210	212	210
Calcium, Dissolved	mg/L			48	50.1	52.1	52.5	48	52.7	46.4	51.4
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	14	11	11	11	12	12	12	13
Fluoride	mg/L	4	2	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
Magnesium, Dissolved	mg/L			17.8	17.6	19.4	18.8	17.8	18.9	17.3	18.5
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.7	8.4	8.8	8.7	12.4	8.6	7.6	8.5
Silica	mg/L			7.4	3.9	4.4	4.4	1.9	4	<0.5	8.8
Sodium, Dissolved	mg/L			234	251 d	254 d	250 d	258	258 d	229	246 d
Sulfate, Total	mg/L		250	476 d	504	530 d	442	534 d	466 d	514	478 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.07	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.07	0.08	0.09	0.08	0.08	0.08	0.07	0.08
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.003	0.0029	0.0029	0.0027	0.0028	0.0026	0.0027	0.003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.001	0.002	<0.001	0.004	<0.001	0.001	0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.005	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.11	0.14	0.12	0.12	0.16	0.16	0.16	0.16
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.08	0.08	0.09	0.08	0.09	0.08	0.08	0.08
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	0.004 d	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.9	1	1	1	1	0.9	0.9	0.9
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0031	0.0032	0.0029	0.0027	0.0031	0.0026	0.0029	0.003

Dewey-Burdock Hydro ID				695	695	695	695	695	695	695	695
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/31/2008 4:31:00 PM	4/22/2008 12:46:00 PM	5/21/2008 2:45:00 PM	6/24/2008 5:30:00 PM	7/14/2008 1:42:00 PM	8/20/2008 2:20:00 PM	9/23/2008 11:00:00 AM	10/21/2008 9:10:00 AM
Lab ID				R08040002 -003	R08040287 -001	R08050321 -003	R08060427 -004	R08070244 -003	R08080332 -005	R08090356 -008	R08100295 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		52.2	29.4	25.6	39.7	28.2	21.6	15.9	27.8
Gross Beta, Dissolved	pCi/L			16.1	6	8	11	7.7	8.5	1.8 j	11.6
Gross Gamma, Dissolved	pCi/L			0 j	0 j	140	0 j	0 j	450	0 j	1100
Lead 210, Dissolved	pCi/L			-12.4 j	-1.8 j	3.1 j	0.7 j	-2 j	-1 j	1.5 j	-0.4 j
Polonium 210, Dissolved	pCi/L			1.1	1.6	-0.3 j	0.1 j	-0.1 j	-0.2 j	0 j	0 j
Radium 226, Dissolved	pCi/L	5		6.3	5	3.7	5.2	4.7	3.9	5.9	4
Thorium 230, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0 j	0 j	0.1 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	-2.1 j	-0.7 j	2.9 j	-5 j	-6 j	4.4 j	-1 j
Polonium 210, Suspended	pCi/L			0.6 j	0.4 j	-0.2 j	0 j	0.2 j	0.1 j	0 j	0 j
Radium 226, Suspended	pCi/L	5		0.6	-0.4 j	-0.2 j	-0.1 j	-0.4 j	-0.005 j	-0.06 j	-0.3 j
Thorium 230, Suspended	pCi/L			0.1 j	0.3	0 j	0 j	0 j	0 j	0.3	0 j
Radionuclides, Total											
Radon 222, Total	pCi/L			1400	1400	2090	2120	1490	1950	1820	1860
Data Quality Parameters											
A/C Balance (± 5)	%			1.52	2.68	1.68	7.98	1.44	7.38	-2.1	4.33
Anions	meq/l			13.9	14.3	15	13	15	13.5	14.5	13.8
Cations	meq/l			14.3	15.1	15.5	15.3	15.4	15.6	13.9	15
Solids, Total Dissolved Calculated	mg/L			925	957	996	901	991	931	931	942
TDS Balance (0.80 - 1.20)	dec. %			0.94	0.96	0.92	1.02	0.96	0.97	0.95	1.15

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				695	695	695	695	Summary Statistics for Hydro ID 695					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 1:25:00 PM	12/17/2008 3:10:00 PM	1/20/2009 12:15:00 PM	2/24/2009 4:56:00 PM						
Lab ID				R08110211 -009	R08120255 -010	R09010301 -005	R09020293 -013						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1370	1480	1450	1400	11	0	1249	1480	1392.7273	68.843432
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	3	0	0.14	0.21	0.18	0.0360555
Field pH	s.u.		6.5-8.5	7.85	7.96	7.9	7.99	10	0	7.26	8	7.803	0.2322857
Field Temperature	Deg C			15	10.4	10.8	11.9	11	0	10.4	15	12.156364	1.252352
Field Turbidity	NTUs			NM	NM	NM	NM	5	0	-0.1	5.5	2.12	3.0400658
Water Level Elevation	ft AMSL			3632.65	3629.53	3632.53	3632.53	12	0	3629.53	3634.12	3631.8158	1.2581332
Physical Properties													
Conductivity @ 25 C	umhos/cm			1290	1320	1350	1350	12	0	1040	1650	1382.5	148.63775
Oxidation-Reduction Potential	mV			280	250	260	140	12	0	120	290	208.33333	57.813703
pH, Laboratory	s.u.		6.5-8.5	8.18	7.93	7.81	7.86	12	0	7.81	8.18	8.0108333	0.123543
Sodium Adsorption Ratio (SAR)	unitless			7.6	7.5	7.6	7	12	0	7	8.1	7.55	0.2812311
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	890	910	910	12	0	870	1100	925	59.620009
Major Ions													
Alkalinity, Total as CaCO3	mg/L			172	172	174	178	12	0	172	180	174.33333	2.5346089
Bicarbonate as HCO3	mg/L			210	210	212	217	12	0	210	219	212.58333	2.9374799
Calcium, Dissolved	mg/L			52.7	50.9	49.8	50 d	12	0	46.4	52.7	50.383333	2.072694
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	13	12	12	12	12	0	11	14	12.083333	0.9003366
Fluoride	mg/L	4	2	0.4	0.4	0.6	0.5	12	0	0.4	0.6	0.45	0.06742
Magnesium, Dissolved	mg/L			19	18.4	18.3	17.6	12	0	17.3	19.4	18.283333	0.6630965
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.2	12	0	0.1	0.2	0.1833333	0.0389249
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.06	0.0508333	0.0028868
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.7	8.6	9.5	9.8	12	0	7.6	12.4	9.025	1.1924955
Silica	mg/L			8.9	8.8	7.9	7.6	12	1	<0.5	8.9	5.6875	2.9302595
Sodium, Dissolved	mg/L			253 d	247 d	247	225	12	0	225	258	246	10.946149
Sulfate, Total	mg/L		250	481 d	483 d	500 d	494 d	12	0	442	534	491.83333	26.51529
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	9	<0.001	0.001	0.000625	0.0002261
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	12	11	<0.03	0.07	0.0195833	0.0158771
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.08	0.08	0.08	0.08	12	0	0.07	0.09	0.0791667	0.0051493
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0029	0.0026	0.0031	0.0028	12	0	0.0026	0.0031	0.0028333	0.0001614
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.02	0.00625	0.0043301
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	12	<0.0003	<0.0009	<0.0009	<0.0009
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.001	<0.001	0.001	<0.001	12	4	<0.001	0.004	0.00125	0.0010113
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.005	<0.005	<0.005
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	11	<0.1	0.1	0.0583333	0.0194625
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.16	0.17	0.13 d	0.23	12	0	0.11	0.23	0.1536364	0.0326413
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.08	0.07	0.08	0.08	12	0	0.07	0.09	0.0808333	0.0051493
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.004	0.0008333	0.0010075
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.9	0.9	1	0.9	12	0	0.9	1	0.9416667	0.0514929
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0026	0.0026	0.0031	0.0027	12	0	0.0026	0.0032	0.002875	0.0002261

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				695	695	695	695	Summary Statistics for Hydro ID 695					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 1:25:00 PM	12/17/2008 3:10:00 PM	1/20/2009 12:15:00 PM	2/24/2009 4:56:00 PM						
Lab ID				R08110211 -009	R08120255 -010	R09010301 -005	R09020293 -013						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	0.01	12	10	<0.01	0.01	0.0058333	0.0019462
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		19.2	26.8	35.8	18.7	12	0	15.9	52.2	28.408333	10.188716
Gross Beta, Dissolved	pCi/L			9.7	13	12.1	12.7	12	0	1.8	16.1	9.85	3.7667203
Gross Gamma, Dissolved	pCi/L			1100	850	0 j	1200	12	0	0	1200	403.33333	509.22996
Lead 210, Dissolved	pCi/L			0.3 j	3.4 j	1.5 j	0.9 j	12	0	-12.4	3.4	-0.516667	4.1122507
Polonium 210, Dissolved	pCi/L			0 j	0 j	0.051 j	0.16 j	12	0	-0.3	1.6	0.2009167	0.5611507
Radium 226, Dissolved	pCi/L	5		4.8	4.8	4.5	4.7	12	0	3.7	6.3	4.7916667	0.7645062
Thorium 230, Dissolved	pCi/L			0.2 j	0.1 j	0 j	-0.02 j	12	0	-0.02	0.2	0.0316667	0.0663097
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-0.9 j	5.9 j	6.6 j	0.1 j	12	0	-6	6.6	0.35	3.9587647
Polonium 210, Suspended	pCi/L			0.058 j	0.2 j	0.13 j	0.25 j	12	0	-0.2	0.6	0.1448333	0.2091202
Radium 226, Suspended	pCi/L	5		-0.2 j	-0.4 j	-0.1 j	-0.1 j	12	0	-0.4	0.6	-0.13875	0.2717964
Thorium 230, Suspended	pCi/L			0.1 j	-0.1 j	0 j	0.02 j	12	0	-0.1	0.3	0.06	0.1232883
Radionuclides, Total													
Radon 222, Total	pCi/L			2020	1880	1840	1600	12	0	1400	2120	1789.1667	256.56678
Data Quality Parameters													
A/C Balance (± 5)	%			5.57	4.06	2.54	-0.61	12	0	-2.1	7.98	3.0391667	3.0028213
Anions	meq/l			13.8	13.8	14.3	14.2	12	0	13	15	14.091667	0.5838093
Cations	meq/l			15.4	15	15	14	12	0	13.9	15.6	14.958333	0.5806866
Solids, Total Dissolved Calculated	mg/L			954	947	962	937	12	0	901	996	947.83333	26.86611
TDS Balance (0.80 - 1.20)	dec. %			0.98	0.94	0.95	0.97	12	0	0.92	1.15	0.9758333	0.0602206

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				696	696	696	696	696	696	696	696
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 10:11:00 AM	4/21/2008 12:24:00 PM	5/21/2008 3:54:00 PM	6/24/2008 3:16:00 PM	7/14/2008 3:30:00 PM	8/20/2008 3:45:00 PM	9/23/2008 10:00:00 AM	10/21/2008 8:25:00 AM
Lab ID				R08030315 -001	R08040250 -001	R08050321 -004	R08060427 -003	R08070244 -005	R08080332 -007	R08090356 -005	R08100295 -013
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1245	1412	1366	1428	1436	1313	1440	1480
Field Dissolved Oxygen	mg/L			NM	0.09	0.28	NM	2.6	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.5	7.45	7.47	7.5	7.31	NM	7.46	7.5
Field Temperature	Deg C			13.02	12.9	13.18	14.15	13.91	13.47	13.8	13.4
Field Turbidity	NTUs			3.1	4	12.9	2.1	6.2	5.5	NM	NM
Water Level Elevation	ft AMSL			3648.48	NM	3648.1	3648.81	3648.63	3649.08	3648.44	3648.44
Physical Properties											
Conductivity @ 25 C	umhos/cm			1370	1370	1550	1400	1320	1570	1070	1450
Oxidation-Reduction Potential	mV			280	360	210	140	160	220	230	240
pH, Laboratory	s.u.		6.5-8.5	7.65	7.94	7.54	7.82	7.73	7.81	7.63	7.96
Sodium Adsorption Ratio (SAR)	unitless			3.7	3.8	3.8	3.9	4.1	3.9	3.9	3.9
Solids, Total Dissolved TDS @ 180 C	mg/L		500	970	1000	970	960	980	990	950	1100
Major Ions											
Alkalinity, Total as CaCO3	mg/L			204	202	192	206	206	202	202	202
Bicarbonate as HCO3	mg/L			249	246	234	251	251	246	246	246
Calcium, Dissolved	mg/L			91.6	97	103	103	92	103	101	98.8
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	11	9	9	9	9	9	9	9
Fluoride	mg/L	4	2	0.3	0.2	0.3	0.3	0.4	0.4	0.4	0.2
Magnesium, Dissolved	mg/L			35.4	37.6	38.6	37.1	36.9	36.9	37.3	36.5
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.3	13	13.1	13.6	17.6	13.4	12.8	12.9
Silica	mg/L			8.1	8.4	4.7	4.6	2.1	4.1	<0.5	9.3
Sodium, Dissolved	mg/L			165	176	180 d	180 d	185	182 d	179	177 d
Sulfate, Total	mg/L		250	531 d	512	493 d	486	528 d	540 d	533 d	519 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.002	0.002	0.001	0.002	<0.001	0.002	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.14	0.15	0.16	0.16	0.1	0.16	0.13	0.16
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0005	0.0005	0.0006	0.0006	0.0007	0.0005	0.0005	0.0006
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.005 d	0.002	0.004	<0.003	0.007	<0.001	0.002	0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.18	0.14	0.16	0.14	0.17	0.15	0.18	0.17
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.2	0.15	0.17	0.16	0.16	0.16	0.15	0.16
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	0.005 d	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.7	2.8	3	2.9	2.7	2.9	2.7	2.8
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0006	0.0006	0.0006	0.0006	0.0005	0.0005	0.0006	0.0006

Dewey-Burdock Hydro ID				696	696	696	696	696	696	696	696
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 10:11:00 AM	4/21/2008 12:24:00 PM	5/21/2008 3:54:00 PM	6/24/2008 3:16:00 PM	7/14/2008 3:30:00 PM	8/20/2008 3:45:00 PM	9/23/2008 10:00:00 AM	10/21/2008 8:25:00 AM
Lab ID				R08030315 -001	R08040250 -001	R08050321 -004	R08060427 -003	R08070244 -005	R08080332 -007	R08090356 -005	R08100295 -013
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	0.02	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		8.8	19.2	10.6	23.7	15.1	12.5	7.4	9.1
Gross Beta, Dissolved	pCi/L			10.3	15.7	12.5	15	11.1	10.7	9.3	11.1
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0 j	0 j	1200
Lead 210, Dissolved	pCi/L			-9.8 j	0 j	-2.3 j	-0.1 j	1.1 j	0 j	-2 j	-1 j
Polonium 210, Dissolved	pCi/L			1.8	1.4	0.6 j	0 j	0.4 j	0 j	0.2 j	0.1 j
Radium 226, Dissolved	pCi/L	5		1.6	4.2	1.9	2.2	2.3	1.8	1.7	1.4
Thorium 230, Dissolved	pCi/L			0.2	0 j	0 j	0.1 j	0 j	0 j	0.1 j	0 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	0 j	1.4 j	4.8 j	0.2 j	-7 j	-1 j	-2 j
Polonium 210, Suspended	pCi/L			0.9 j	0.2 j	-0.1 j	0 j	0 j	0 j	0.17 j	0 j
Radium 226, Suspended	pCi/L	5		1	-0.4 j	-0.2 j	-0.3 j	-0.4 j	-0.1 j	-0.04 j	-0.4 j
Thorium 230, Suspended	pCi/L			0.1 j	0 j	0.3	0 j	0 j	0 j	0 j	0 j
Radionuclides, Total											
Radon 222, Total	pCi/L			313	251	619	611	245	401	296	281
Data Quality Parameters											
A/C Balance (± 5)	%			-1.48	3.2	6.92	6.22	2.38	2.72	2.57	2.88
Anions	meq/l			15.4	15	14.4	14.5	15.4	15.6	15.4	15.1
Cations	meq/l			15	15.9	16.5	16.4	16.2	16.4	16.2	16
Solids, Total Dissolved Calculated	mg/L			990	988	965	965	999	1020	993	999
TDS Balance (0.80 - 1.20)	dec. %			0.98	1.01	1.01	1	0.98	0.97	0.96	1.06

* 1/2 RL used to calculate mean and standard devaiation where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				696	696	696	696	Summary Statistics for Hydro ID 696					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 9:00:00 AM	12/17/2008 3:45:00 PM	1/20/2009 5:00:00 PM	2/24/2009 5:15:00 PM						
Lab ID				R08110211 -003	R08120255 -011	R09010301 -014	R09020293 -014						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1470	1490	1470	1420	12	0	1245	1490	1414.1667	73.153429
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	3	0	0.09	2.6	0.99	1.3975335
Field pH	s.u.		6.5-8.5	7.64	7.62	8.16	7.61	11	0	7.31	8.16	7.5654545	0.2180992
Field Temperature	Deg C			12.7	11.2	10.9	13.1	12	0	10.9	14.15	12.9775	0.9980993
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	2.1	12.9	5.6333333	3.8655746
Water Level Elevation	ft AMSL			3648.44	3649.36	3639.9	3649.59	11	0	3639.9	3649.59	3647.9336	2.7014784
Physical Properties													
Conductivity @ 25 C	umhos/cm			1310	1320	1370	1340	12	0	1070	1570	1370	127.63585
Oxidation-Reduction Potential	mV			280	270	270	150	12	0	140	360	234.16667	63.883179
pH, Laboratory	s.u.		6.5-8.5	7.93	7.7	7.55	7.55	12	0	7.54	7.96	7.7341667	0.1565223
Sodium Adsorption Ratio (SAR)	unitless			4	3.8	3.8	3.7	12	0	3.7	4.1	3.8583333	0.11645
Solids, Total Dissolved TDS @ 180 C	mg/L		500	980	960	960	970	12	0	950	1100	982.5	39.571569
Major Ions													
Alkalinity, Total as CaCO3	mg/L			182	204	208	206	12	0	182	208	201.33333	7.3029674
Bicarbonate as HCO3	mg/L			222	249	254	251	12	0	222	254	245.41667	8.9082019
Calcium, Dissolved	mg/L			101	96.1	86.6	99 d	12	0	86.6	103	97.675	5.2648275
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	9	9	9	9	12	0	9	11	9.1666667	0.5773503
Fluoride	mg/L	4	2	0.3	0.3	0.4	0.4	12	0	0.2	0.4	0.325	0.0753778
Magnesium, Dissolved	mg/L			36.2	36	32.8	35.5	12	0	32.8	38.6	36.4	1.4478825
Nitrogen, Ammonia as N	mg/L			0.2	0.3	0.2	0.2	12	0	0.2	0.3	0.2166667	0.0389249
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			13.3	12.9	12.3	13.6	12	0	12.3	17.6	13.4	1.3902256
Silica	mg/L			9.3	9.5	7.6	8.7	12	1	<0.5	9.5	6.3875	3.1302138
Sodium, Dissolved	mg/L			184 d	172 d	162	171	12	0	162	185	176.08333	7.2670906
Sulfate, Total	mg/L		250	484 d	507 d	508 d	518 d	12	0	484	540	513.25	18.513509
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	0.001	12	2	<0.001	0.002	0.0014167	0.0006337
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	12	11	<0.03	0.05	0.0179167	0.0101036
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.15	0.16	0.15	0.15	12	0	0.1	0.16	0.1475	0.0176455
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0006	0.0005	0.0006	0.0005	12	0	0.0005	0.0007	0.0005583	6.686E-05
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.1	0.0541667	0.0144338
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	12	<0.0003	<0.0009	<0.0009	<0.0009
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.002	0.002	0.001	12	2	<0.001	0.007	0.0025833	0.0018443
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	0.1	<0.1	<0.2	12	11	<0.1	0.1	0.0583333	0.0194625
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.19	0.19	0.15 d	0.11	12	0	0.11	0.19	0.1608333	0.0239159
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.15	0.15	0.15	0.17	12	0	0.15	0.2	0.1608333	0.0144338
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.005	0.0009167	0.0012939
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.6	2.7	2.7	2.7	12	0	2.6	3	2.7666667	0.1154701
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0005	0.0005	0.0006	0.0005	12	0	0.0005	0.0006	0.0005583	5.149E-05

Dewey-Burdock Hydro ID				696	696	696	696	Summary Statistics for Hydro ID 696					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 9:00:00 AM	12/17/2008 3:45:00 PM	1/20/2009 5:00:00 PM	2/24/2009 5:15:00 PM						
Lab ID				R08110211 -003	R08120255 -011	R09010301 -014	R09020293 -014						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	10	<0.01	0.02	0.0066667	0.0044381
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		9.2	9.3	25.9	8.3	12	0	7.4	25.9	13.258333	6.3488665
Gross Beta, Dissolved	pCi/L			5.9	7.7	16.8	10.9	12	0	5.9	16.8	11.416667	3.1951194
Gross Gamma, Dissolved	pCi/L			0 j	850	1000	1600	12	0	0	1600	387.5	597.00959
Lead 210, Dissolved	pCi/L			-0.1 j	2.2 j	-0.9 j	1.3 j	12	0	-9.8	2.2	-0.966667	3.070189
Polonium 210, Dissolved	pCi/L			0 j	0 j	0.045 j	-0.031 j	12	0	-0.031	1.8	0.3761667	0.6086475
Radium 226, Dissolved	pCi/L	5		1.7	1.5	1.7	2.2	12	0	1.4	4.2	2.0166667	0.7444746
Thorium 230, Dissolved	pCi/L			0.1 j	0 j	0 j	0.05 j	12	0	0	0.2	0.0458333	0.0655686
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-4 j	1.7 j	-1 j	-0.2 j	12	0	-7	4.8	-0.591667	2.9351966
Polonium 210, Suspended	pCi/L			-0.04 j	0.4 j	0.056 j	0.31 j	12	0	-0.1	0.9	0.158	0.2780072
Radium 226, Suspended	pCi/L	5		-0.4 j	-0.3 j	-0.2 j	-0.1 j	12	0	-0.4	1	-0.153333	0.3860601
Thorium 230, Suspended	pCi/L			0 j	0.1 j	-0.1 j	-0.09 j	12	0	-0.1	0.3	0.0258333	0.1044865
Radionuclides, Total													
Radon 222, Total	pCi/L			331	215	270	235	12	0	215	619	339	138.07574
Data Quality Parameters													
A/C Balance (± 5)	%			7.92	2.21	-2.05	1.67	12	0	-2.05	7.92	2.93	2.9931801
Anions	meq/l			14	14.9	15	15.2	12	0	14	15.6	14.991667	0.4776045
Cations	meq/l			16.4	15.6	14.4	15.7	12	0	14.4	16.5	15.891667	0.6388318
Solids, Total Dissolved Calculated	mg/L			962	981	956	994	12	0	956	1020	984.33333	19.013552
TDS Balance (0.80 - 1.20)	dec. %			1.01	0.98	1	0.98	12	0	0.96	1.06	0.995	0.0264575

* 1/2 RL used to calculate mean and standard devaiation where non-detect data occur

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				697	697	697	697	697	697	697	697
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 4:36:00 PM	4/22/2008 4:02:00 PM	5/21/2008 4:44:00 PM	6/24/2008 6:20:00 PM	7/14/2008 3:52:00 PM	8/20/2008 5:10:00 PM	9/23/2008 11:45:00 AM	10/21/2008 9:45:00 AM
Lab ID				R08030315 -006	R08040287 -005	R08050321 -005	R08060427 -005	R08070244 -006	R08080332 -008	R08090356 -004	R08100295 -011
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1131	1258	1239	1267	1286	1164	1300	1310
Field Dissolved Oxygen	mg/L			0.2	0.15	0.29	0.16	NM	0.29	NM	NM
Field pH	s.u.		6.5-8.5	7.8	7.8	7.77	7.56	7.72	7.44	7.76	7.75
Field Temperature	Deg C			13.78	13.91	13.9	13.87	14.43	13.91	14.6	13.9
Field Turbidity	NTUs			-0.2	3.2	0.1	3.9	4.9	3.9	NM	NM
Water Level Elevation	ft AMSL			3679.14	3679.85	3679.6	3680.8	3680.66	3680.59	3679.83	3679.6
Physical Properties											
Conductivity @ 25 C	umhos/cm			1250	1230	1380	1230	1290	1330	951	1280
Oxidation-Reduction Potential	mV			200	320	200	140	160	210	160	210
pH, Laboratory	s.u.		6.5-8.5	7.83	8.07	7.9	8.25	7.93	8.03	7.83	8.15
Sodium Adsorption Ratio (SAR)	unitless			6.2	6.6	6.5	6.6	6.9	6.7	6.4	6.4
Solids, Total Dissolved TDS @ 180 C	mg/L		500	800	810	790	810	830	840	810	1000
Major Ions											
Alkalinity, Total as CaCO3	mg/L			166	166	168	168	166	172	168	166
Bicarbonate as HCO3	mg/L			202	202	205	205	202	210	205	202
Calcium, Dissolved	mg/L			49.2	50.6	52.8	53.4	48.7	53.5	53.1	52.9
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	10	8	8	8	8	8	8	8
Fluoride	mg/L	4	2	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5
Magnesium, Dissolved	mg/L			16.9	17.3	18	17.7	17.5	17.5	17.5	17.3
Nitrogen, Ammonia as N	mg/L			0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.1	8.5	8.5	8.8	11.8	8.6	8.2	8.4
Silica	mg/L			7.4	4	4.6	4.6	2	4.1	8.6	9.3
Sodium, Dissolved	mg/L			197	215 d	216 d	218 d	221	219 d	210	210 d
Sulfate, Total	mg/L		250	452 d	430	456 d	409	470 d	452 d	435 d	560 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.001	0.002	0.002	0.002	<0.001	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.05	0.06	0.06	0.05	0.06	0.05	0.06
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	0.0007	<0.0003	<0.0003	<0.0003	<0.0003	0.0006
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.003	0.002	0.002	0.003 d	0.004	<0.001	0.001	0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.06	0.05	0.04	0.08	0.06	0.07	0.05	0.06
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.05	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.001	<0.001	<0.001	0.005 d	0.003 d	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.1	1.3	1.2	1.2	1.1	1.2	1.1	1.1
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	0.0003	<0.0003	<0.0003	<0.0003

Dewey-Burdock Hydro ID				697	697	697	697	697	697	697	697
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 4:36:00 PM	4/22/2008 4:02:00 PM	5/21/2008 4:44:00 PM	6/24/2008 6:20:00 PM	7/14/2008 3:52:00 PM	8/20/2008 5:10:00 PM	9/23/2008 11:45:00 AM	10/21/2008 9:45:00 AM
Lab ID				R08030315 -006	R08040287 -005	R08050321 -005	R08060427 -005	R08070244 -006	R08080332 -008	R08090356 -004	R08100295 -011
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		6.1	8.4	4.1	11.9	6.9	5.3	6.3	7.3
Gross Beta, Dissolved	pCi/L			6.8	8.4	5.4	8.1	4.6	8.6	5.7	3.6 j
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	850	0 j	1700
Lead 210, Dissolved	pCi/L			-23 j	-0.7 j	-4.3 j	0.5 j	-2 j	-2 j	-2 j	-2 j
Polonium 210, Dissolved	pCi/L			1.1	0 j	0 j	-0.1 j	-0.4 j	0.4 j	-0.5 j	0.1 j
Radium 226, Dissolved	pCi/L	5		1.5	1.7	1.1	0.8	0.9	1.2	1	0.6
Thorium 230, Dissolved	pCi/L			0.4	0 j	0 j	0 j	0 j	0.1 j	0 j	0 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			-2.8 j	0 j	0 j	2.9 j	3.6 j	-10 j	-1 j	-2 j
Polonium 210, Suspended	pCi/L			0.9 j	0 j	1.2	0 j	0.4 j	-0.2 j	0.027 j	0.1 j
Radium 226, Suspended	pCi/L	5		0.6	-0.1 j	3.8	-0.4 j	-0.1 j	-0.4 j	0.2 j	0.05 j
Thorium 230, Suspended	pCi/L			0.1 j	0.1 j	0.3	0.2	0 j	0 j	-0.1 j	-0.1 j
Radionuclides, Total											
Radon 222, Total	pCi/L			323	284	570	413	295	367	313	319
Data Quality Parameters											
A/C Balance (± 5)	%			-1.53	3.91	2.35	6.52	1.61	2.84	2.88	-6.31
Anions	meq/l			13	12.5	13.1	12.1	13.4	13.1	12.7	15.2
Cations	meq/l			12.6	13.5	13.7	13.8	13.8	13.9	13.4	13.4
Solids, Total Dissolved Calculated	mg/L			853	840	873	829	884	874	857	983
TDS Balance (0.80 - 1.20)	dec. %			0.93	0.97	0.91	0.97	0.94	0.96	0.95	1.03

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				697	697	697	697	Summary Statistics for Hydro ID 697					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 1:35:00 PM	12/17/2008 2:45:00 PM	1/20/2009 12:35:00 PM	2/24/2009 4:45:00 PM						
Lab ID				R08110211 -010	R08120255 -009	R09010301 -006	R09020293 -012						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1280	1340	1300	1280	12	0	1131	1340	1262.9167	60.17015
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	5	0	0.15	0.29	0.218	0.0683374
Field pH	s.u.		6.5-8.5	7.74	7.97	7.81	8	12	0	7.44	8	7.76	0.1513575
Field Temperature	Deg C			15.5	12.4	13.3	13.5	12	0	12.4	15.5	13.916667	0.7454752
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	-0.2	4.9	2.6333333	2.1500388
Water Level Elevation	ft AMSL			3679.6	3678.67	3707.28	3679.83	12	0	3678.67	3707.28	3682.1208	7.9470732
Physical Properties													
Conductivity @ 25 C	umhos/cm			1180	1190	1220	1210	12	0	951	1380	1228.4167	105.05882
Oxidation-Reduction Potential	mV			280	250	270	140	12	0	140	320	211.66667	58.127342
pH, Laboratory	s.u.		6.5-8.5	8.24	7.98	7.73	7.9	12	0	7.73	8.25	7.9866667	0.1657673
Sodium Adsorption Ratio (SAR)	unitless			6.6	6.4	6.5	6.2	12	0	6.2	6.9	6.5	0.2
Solids, Total Dissolved TDS @ 180 C	mg/L		500	820	810	820	820	12	0	790	1000	830	55.103209
Major Ions													
Alkalinity, Total as CaCO3	mg/L			164	166	168	166	12	0	164	172	167	2
Bicarbonate as HCO3	mg/L			200	202	205	202	12	0	200	210	203.5	2.6457513
Calcium, Dissolved	mg/L			54.5	53.4	49.7	52 d	12	0	48.7	54.5	51.983333	1.9319483
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	9	8	8	8	12	0	8	10	8.25	0.6215816
Fluoride	mg/L	4	2	0.5	0.5	0.7	0.6	12	0	0.5	0.7	0.55	0.06742
Magnesium, Dissolved	mg/L			17.7	17.4	16.4	16.8	12	0	16.4	18	17.333333	0.4417596
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.2	12	0	0.1	0.2	0.1666667	0.0492366
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.05	0.1	0.0520833	0.0167139
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.5	8.4	8.6	9.2	12	0	8.1	11.8	8.8	0.9853472
Silica	mg/L			9.3	9.5	7.9	8	12	0	2	9.5	6.6083333	2.5840273
Sodium, Dissolved	mg/L			219 d	210 d	206	201	12	0	197	221	211.83333	7.5898657
Sulfate, Total	mg/L		250	430 d	442 d	444 d	436 d	12	0	409	560	451.33333	37.567717
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	<0.001	12	3	<0.001	0.002	0.001125	0.0005691
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.04	<0.03	<0.03	<0.03	12	3	<0.03	0.04	0.0329167	0.0111719
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.06	0.05	0.05	12	0	0.05	0.06	0.0541667	0.0051493
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	12	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.01	<0.01	<0.01	12	11	<0.01	0.01	0.0054167	0.0014434
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	10	<0.0003	0.0007	0.0002583	0.0002032
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.001	0.001	0.001	0.001	12	2	<0.001	0.004	0.0016667	0.0010075
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.2	0.0625	0.0433013
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	12	<0.1	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.04	0.34	<0.04	0.09	12	1	<0.04	0.34	0.08	0.0839913
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.05	0.05	0.05	12	0	0.05	0.06	0.055	0.0052223
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	9	<0.001	0.005	0.001125	0.0014162
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.1	1.1	1.2	1.1	12	0	1.1	1.3	1.15	0.06742
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	11	<0.0003	0.0003	0.0001625	4.33E-05

Dewey-Burdock Hydro ID				697	697	697	697	Summary Statistics for Hydro ID 697					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 1:35:00 PM	12/17/2008 2:45:00 PM	1/20/2009 12:35:00 PM	2/24/2009 4:45:00 PM						
Lab ID				R08110211 -010	R08120255 -009	R09010301 -006	R09020293 -012						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	0.02	<0.01	0.03	12	9	<0.01	0.03	0.00875	0.0080128
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		12.7	7.7	21.7	18.2	12	0	4.1	21.7	9.7166667	5.4323665
Gross Beta, Dissolved	pCi/L			11.4	7.1	12.5	11	12	0	3.6	12.5	7.7666667	2.7945835
Gross Gamma, Dissolved	pCi/L			1100	820	0 j	1100	12	0	0	1700	464.16667	611.96343
Lead 210, Dissolved	pCi/L			-0.8 j	1.6 j	0.6 j	1 j	12	0	-23	1.6	-2.758333	6.5884828
Polonium 210, Dissolved	pCi/L			0 j	0.2 j	-0.027 j	0.034 j	12	0	-0.5	1.1	0.06725	0.4031258
Radium 226, Dissolved	pCi/L	5		1.7	1.2	0.9	5.6	12	0	0.6	5.6	1.5166667	1.3313242
Thorium 230, Dissolved	pCi/L			0 j	0.1 j	0 j	-0.03 j	12	0	-0.03	0.4	0.0475	0.1182543
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-0.6 j	2.8 j	2.9 j	-2 j	12	0	-10	3.6	-0.516667	3.7125912
Polonium 210, Suspended	pCi/L			-0.0042 j	0.2 j	-0.0097 j	-0.019 j	12	0	-0.2	1.2	0.216175	0.4200024
Radium 226, Suspended	pCi/L	5		-0.4 j	-0.07 j	-0.2 j	-0.2 j	12	0	-0.4	3.8	0.2316667	1.1592853
Thorium 230, Suspended	pCi/L			0.1 j	-0.2 j	-0.2 j	0.05 j	12	0	-0.2	0.3	0.0208333	0.1529384
Radionuclides, Total													
Radon 222, Total	pCi/L			412	200	299	236	12	0	200	570	335.91667	96.605532
Data Quality Parameters													
A/C Balance (± 5)	%			5.48	2.6	0.64	1.29	12	0	-6.31	6.52	1.8566667	3.3293142
Anions	meq/l			12.5	12.8	12.9	12.6	12	0	12.1	15.2	12.991667	0.7763063
Cations	meq/l			14	13.5	13	13	12	0	12.6	14	13.466667	0.4206777
Solids, Total Dissolved Calculated	mg/L			863	866	856	845	12	0	829	983	868.58333	39.18594
TDS Balance (0.80 - 1.20)	dec. %			0.95	0.93	0.96	0.98	12	0	0.91	1.03	0.9566667	0.0305505

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				698	698	698	698	698	698	698	698
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 2:04:00 PM	4/22/2008 11:30:00 AM	5/28/2008 12:35:00 PM	6/24/2008 11:55:00 AM	7/14/2008 6:43:00 PM	8/19/2008 5:35:00 PM	9/22/2008 1:05:00 PM	10/20/2008 1:52:00 PM
Lab ID				R08030315 -002	R08040287 -004	R08050406 -001	R08060427 -001	R08070244 -010	R08080301 -003	R08090314 -003	R08100295 -004
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			2024	2492	2426	2475	2519	2327	2303	2400
Field Dissolved Oxygen	mg/L			0.27	0.25	0.19	0.09	0.18	NM	0.48	NM
Field pH	s.u.		6.5-8.5	6.83	6.87	6.76	6.49	6.66	6.62	NM	6.71
Field Temperature	Deg C			11.38	11.61	11.52	11.73	11.69	11.91	11.56	12.4
Field Turbidity	NTUs			7.3	7.5	16.1	19	23.2	9.1	9.8	NM
Water Level Elevation	ft AMSL			3680.02	3679.98	3679.68	3679.88	3679.87	3679.89	3679.94	3679.73
Physical Properties											
Conductivity @ 25 C	umhos/cm			2390	2420	2280	2530	2530	2840	2300	2480
Oxidation-Reduction Potential	mV			280	110	200	94	47	44	-38.3	64
pH, Laboratory	s.u.		6.5-8.5	6.91	7.15	6.78	7.09	7.72	7.27	7.02	7.34
Sodium Adsorption Ratio (SAR)	unitless			1	1	0.98	0.98	0.95	0.99	0.94	0.96
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2200	2300	2200	2100	2300	2300	2200	2300
Major Ions											
Alkalinity, Total as CaCO3	mg/L			124	120	114	114	122	122	122	114
Bicarbonate as HCO3	mg/L			151	146	139	139	149	149	149	139
Calcium, Dissolved	mg/L			338	366	382	393	356	385	370	366
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	12	9	9	9	10	10	9	10
Fluoride	mg/L	4	2	0.2	0.3	0.5	0.3	0.4	0.4	0.4	0.2
Magnesium, Dissolved	mg/L			125	129	137	141	139	139	133	128
Nitrogen, Ammonia as N	mg/L			0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.09	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			14.6	15.6	15.5	15.9	22.2	16	14.4	15.1
Silica	mg/L			9.5	4.8	5.2	5.5	2.6	5	11.5	10.5
Sodium, Dissolved	mg/L			84.6	89 d	88 d	89 d	84 d	89 d	83	84 d
Sulfate, Total	mg/L		250	1300 d	1450	1270 d	1470	1530 d	1290 d	1470 d	1380 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	1.56	2.49	1.69	1.6	3.38	4.36	3.87	2.67
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.18	2.39	2.31	2.56	2.44	2.55	2.41	2.37
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.109	0.11	0.101	0.104	0.119	0.113	0.103	0.103
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.01	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		0.0024	0.0006	0.0038	0.0043	0.0055	0.0023	0.0006	0.0036
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.004 d	<0.001	0.002	0.005 d	0.002 d	<0.004	<0.001	0.006 l
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	4.06	4.53	4.6	5.48	5.66	4.78	5.15	4.86
Lead, Total	mg/L			<0.001	<0.001	<0.001	0.001	0.001 b	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	2.31	2.5	2.32	2.66	2.53	2.54	2.57	2.47
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.002	<0.001	<0.001	<0.002	0.005 d	<0.003	<0.005	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005
Strontium, Total	mg/L			4.9	5.2	4.8	5.2	4.7	4.6	4.9	4.9
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.123	0.119	0.116	0.113	0.116	0.101 d	0.102	0.132

Dewey-Burdock Hydro ID				698	698	698	698	698	698	698	698
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 2:04:00 PM	4/22/2008 11:30:00 AM	5/28/2008 12:35:00 PM	6/24/2008 11:55:00 AM	7/14/2008 6:43:00 PM	8/19/2008 5:35:00 PM	9/22/2008 1:05:00 PM	10/20/2008 1:52:00 PM
Lab ID				R08030315 -002	R08040287 -004	R08050406 -001	R08060427 -001	R08070244 -010	R08080301 -003	R08090314 -003	R08100295 -004
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		1750	2110	1210	1790	1790	1560	36.3	1330
Gross Beta, Dissolved	pCi/L			657	604	380	470	599	488	19.8	399
Gross Gamma, Dissolved	pCi/L			790	680	4100	170	1500	1300	240	1700
Lead 210, Dissolved	pCi/L			-14 j	-3.5 j	5.5 j	-1.7 j	-0.4 j	3.1 j	2.2 j	6.8
Polonium 210, Dissolved	pCi/L			1	1.4	0.2 j	1.1	1.6	0.4 j	0 j	0.3 j
Radium 226, Dissolved	pCi/L	5		387	370	413	429	423	372	410	347
Thorium 230, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0.1 j	0 j	<0.2	0 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	0 j	2.6 j	7.4 j	-0.7 j	1.1 j	0.5 j	4.7 j
Polonium 210, Suspended	pCi/L			1.2	-0.2 j	1.4	1.2	1.5	0.5 j	0.059 j	1
Radium 226, Suspended	pCi/L	5		15.3	6.4	14	11.6	6.3	1.7	0.2 j	7.4
Thorium 230, Suspended	pCi/L			0.4	0.2	0.7	0.7	0.9	0.5	0 j	0.2 j
Radionuclides, Total											
Radon 222, Total	pCi/L			32200	25800	25600	40700	27900	38200	29500	38200
Data Quality Parameters											
A/C Balance (± 5)	%			2.58	0.92	9.13	3.88	-1.21	8.93	0.65	2.91
Anions	meq/l			29.9	32.8	28.9	33.1	34.6	29.5	33.2	31.2
Cations	meq/l			31.4	33.4	34.8	35.8	33.7	35.3	33.7	33.1
Solids, Total Dissolved Calculated	mg/L			1970	2140	1980	2200	2220	2010	2180	2080
TDS Balance (0.80 - 1.20)	dec. %			1.13	1.05	1.09	0.97	1.03	1.13	1.02	1.1

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				698	698	698	698	Summary Statistics for Hydro ID 698					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 12:00:00 PM	12/17/2008 1:00:00 PM	1/20/2009 2:07:00 PM	2/24/2009 12:10:00 PM						
Lab ID				R08110211 -008	R08120255 -005	R09010301 -009	R09020293 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			2500	2800	2500	2400	12	0	2024	2800	2430.5	179.36175
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	6	0	0.09	0.48	0.2433333	0.1320101
Field pH	s.u.		6.5-8.5	6.76	6.78	6.77	6.83	11	0	6.49	6.87	6.7345455	0.1096689
Field Temperature	Deg C			12.1	10.9	11.8	11.9	12	0	10.9	12.4	11.708333	0.3749869
Field Turbidity	NTUs			NM	NM	NM	NM	7	0	7.3	23.2	13.142857	6.2941394
Water Level Elevation	ft AMSL			3679.75	3679.88	3679.66	3679.8	12	0	3679.66	3680.02	3679.84	0.1161504
Physical Properties													
Conductivity @ 25 C	umhos/cm			2300	2290	2410	2360	12	0	2280	2840	2427.5	157.66045
Oxidation-Reduction Potential	mV			300	160	300	110	12	0	-38.3	300	139.225	110.4292
pH, Laboratory	s.u.		6.5-8.5	7.42	6.92	6.74	6.82	12	0	6.74	7.72	7.0983333	0.295599
Sodium Adsorption Ratio (SAR)	unitless			0.95	0.95	1.1	0.99	12	0	0.94	1.1	0.9825	0.0426668
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2200	2200	1700	2200	12	0	1700	2300	2183.3333	164.22453
Major Ions													
Alkalinity, Total as CaCO3	mg/L			112	114	118	110	12	0	110	124	117.16667	4.7065396
Bicarbonate as HCO3	mg/L			137	139	144	134	12	0	134	151	142.91667	5.7439032
Calcium, Dissolved	mg/L			388	374	341	357 d	12	0	338	393	368	17.714914
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	10	10	10	9	12	0	9	12	9.75	0.8660254
Fluoride	mg/L	4	2	0.2	0.2	0.4	0.4	12	0	0.2	0.5	0.325	0.105529
Magnesium, Dissolved	mg/L			141	135	127	131	12	0	125	141	133.75	5.7068539
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.1	0.2	12	0	0.1	0.2	0.1583333	0.0514929
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.09	0.0533333	0.011547
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			15.5	15.5	16	15.5	12	0	14.4	22.2	15.983333	2.0211758
Silica	mg/L			11.1	11.3	10.2	10.2	12	0	2.6	11.5	8.1166667	3.2087475
Sodium, Dissolved	mg/L			86 d	84 d	92.1	86.5	12	0	83	92.1	86.6	2.8139264
Sulfate, Total	mg/L		250	1360 d	1340 d	1340 d	1240 d	12	0	1240	1530	1370	91.55227
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.2	0.0666667	0.0443813
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	2.54	2.99	1.74	2.03	12	0	1.56	4.36	2.5766667	0.9273259
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.25	2.58	2.39	2.45	12	0	2.18	2.58	2.4066667	0.122202
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.001	0.0005417	0.0001443
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.106	0.0998	0.1	0.108	12	0	0.0998	0.119	0.1063167	0.005778
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	9	<0.01	0.01	0.00625	0.0022613
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.001	0.0005417	0.0001443
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0042	0.0028 d	0.0021	0.005	12	0	0.0006	0.0055	0.0031	0.0015806
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.001	0.004 l	<0.002	0.003 l	12	5	<0.001	0.006	0.0025417	0.0018642
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	11	<0.1	0.1	0.0583333	0.0194625
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	4.42	4.66	4.6	4.37	12	0	4.06	5.66	4.7641667	0.463435
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.001	0.0005833	0.0001946
Manganese, Total	mg/L		0.05	2.31	2.54	2.37	2.7 d	12	0	2.31	2.7	2.485	0.1329046
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.002	<0.002	0.001	12	9	<0.001	0.005	0.0014167	0.0012939
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			4.4	4.9	4.8	4.7	12	0	4.4	5.2	4.8333333	0.2269695
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.103	0.112	0.108	0.113	12	0	0.101	0.132	0.1131667	0.0090738

Dewey-Burdock Hydro ID				698	698	698	698	Summary Statistics for Hydro ID 698					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 12:00:00 PM	12/17/2008 1:00:00 PM	1/20/2009 2:07:00 PM	2/24/2009 12:10:00 PM						
Lab ID				R08110211 -008	R08120255 -005	R09010301 -009	R09020293 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.0054167	0.0014434
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		1680	1570	1960	1270	12	0	36.3	2110	1504.6917	536.26262
Gross Beta, Dissolved	pCi/L			619	664	547	357	12	0	19.8	664	483.65	181.41118
Gross Gamma, Dissolved	pCi/L			1700	620	1400	420	12	0	170	4100	1218.3333	1062.2346
Lead 210, Dissolved	pCi/L			1.4 j	4.7	0.1 j	1.5 j	12	0	-14	6.8	0.475	5.4426138
Polonium 210, Dissolved	pCi/L			0.3 j	0.3 j	0.42 j	0.4 j	12	0	0	1.6	0.6183333	0.5177194
Radium 226, Dissolved	pCi/L	5		403	363	386	355	12	0	347	429	388.16667	27.335735
Thorium 230, Dissolved	pCi/L			0.1 j	0.1 j	0.1 j	0.03 j	12	1	<0.2	0.1	0.0441667	0.0499924
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			4.4 j	3.2 j	0.9 j	4.5 j	12	0	-0.7	7.4	2.3833333	2.487362
Polonium 210, Suspended	pCi/L			1.6	1	2	0.78	12	0	-0.2	2	1.00325	0.6377342
Radium 226, Suspended	pCi/L	5		9	4.7	7.3	11	12	0	0.2	15.3	7.9083333	4.5713452
Thorium 230, Suspended	pCi/L			0.2 j	0.2 j	1.9	1	12	0	0	1.9	0.575	0.5224505
Radionuclides, Total													
Radon 222, Total	pCi/L			37400	37600	32100	38400	12	0	25600	40700	33633.333	5431.7808
Data Quality Parameters													
A/C Balance (± 5)	%			6.79	5.82	2.51	7.55	12	0	-1.21	9.13	4.205	3.3993114
Anions	meq/l			30.9	30.4	30.6	28.4	12	0	28.4	34.6	31.125	1.9179179
Cations	meq/l			35.4	34.2	32.2	33	12	0	31.4	35.8	33.833333	1.3343935
Solids, Total Dissolved Calculated	mg/L			2100	2060	2030	1940	12	0	1940	2220	2075.8333	94.046249
TDS Balance (0.80 - 1.20)	dec. %			1.05	1.07	0.82	1.15	12	0	0.82	1.15	1.0508333	0.0893876

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				703	Summary Statistics for Hydro ID 703					
Month Sampled				Jan-09						
Date and Time Collected				1/20/2009 3:05:00 PM						
Lab ID				R09010302 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2500	1	0	2500	2500	2500	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	11.13	1	0	11.13	11.13	11.13	---
Field Temperature	Deg C			11.9	1	0	11.9	11.9	11.9	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2420	1	0	2420	2420	2420	---
Oxidation-Reduction Potential	mV			88	1	0	88	88	88	---
pH, Laboratory	s.u.		6.5-8.5	11.4	1	0	11.4	11.4	11.4	---
Sodium Adsorption Ratio (SAR)	unitless			12	1	0	12	12	12	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1400	1	0	1400	1400	1400	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			148	1	0	148	148	148	---
Bicarbonate as HCO3	mg/L			180	1	0	180	180	180	---
Calcium, Dissolved	mg/L			72.6	1	0	72.6	72.6	72.6	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	16	1	0	16	16	16	---
Fluoride	mg/L	4	2	0.3	1	0	0.3	0.3	0.3	---
Magnesium, Dissolved	mg/L			<0.5	1	1	<0.5	<0.5	<0.5	---
Nitrogen, Ammonia as N	mg/L			1.6	1	0	1.6	1.6	1.6	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			9.3	1	0	9.3	9.3	9.3	---
Silica	mg/L			4.2	1	0	4.2	4.2	4.2	---
Sodium, Dissolved	mg/L			370	1	0	370	370	370	---
Sulfate, Total	mg/L		250	828 d	1	0	828	828	828	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.3	1	0	0.3	0.3	0.3	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	0.05	1	0	0.05	0.05	0.05	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0003	1	0	0.0003	0.0003	0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	0.03	1	0	0.03	0.03	0.03	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.4	1	0	0.4	0.4	0.4	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.68 d	1	0	0.68	0.68	0.68	---
Lead, Total	mg/L			0.007	1	0	0.007	0.007	0.007	---
Manganese, Total	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			2.2	1	0	2.2	2.2	2.2	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---

Dewey-Burdock Hydro ID				703	Summary Statistics for Hydro ID 703					
Month Sampled				Jan-09						
Date and Time Collected				1/20/2009 3:05:00 PM						
Lab ID				R09010302 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		42.6	1	0	42.6	42.6	42.6	---
Gross Beta, Dissolved	pCi/L			14.2	1	0	14.2	14.2	14.2	---
Gross Gamma, Dissolved	pCi/L			1100	1	0	1100	1100	1100	---
Lead 210, Dissolved	pCi/L			1 j	1	0	1	1	1	---
Polonium 210, Dissolved	pCi/L			-0.015 j	1	0	-0.015	-0.015	-0.015	---
Radium 226, Dissolved	pCi/L	5		0.4	1	0	0.4	0.4	0.4	---
Thorium 230, Dissolved	pCi/L			0.1 j	1	0	0.1	0.1	0.1	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			1.1 j	1	0	1.1	1.1	1.1	---
Polonium 210, Suspended	pCi/L			0.047 j	1	0	0.047	0.047	0.047	---
Radium 226, Suspended	pCi/L	5		-0.4 j	1	0	-0.4	-0.4	-0.4	---
Thorium 230, Suspended	pCi/L			-0.2 j	1	0	-0.2	-0.2	-0.2	---
Radionuclides, Total										
Radon 222, Total	pCi/L			153	1	0	153	153	153	---
Data Quality Parameters										
A/C Balance (± 5)	%			-1.35	1	0	-1.35	-1.35	-1.35	---
Anions	meq/l			20.7	1	0	20.7	20.7	20.7	---
Cations	meq/l			20.1	1	0	20.1	20.1	20.1	---
Solids, Total Dissolved Calculated	mg/L			1400	1	0	1400	1400	1400	---
TDS Balance (0.80 - 1.20)	dec. %			1.01	1	0	1.01	1.01	1.01	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				704	Summary Statistics for Hydro ID 704 Unkpapa					
Screened Interval				Unkpapa						
Date and Time Collected				9/23/2008 12:30:00 PM						
Lab ID				R08090356 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2100	1	0	2100	2100	2100	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.37	1	0	9.37	9.37	9.37	---
Field Temperature	Deg C			20.1	1	0	20.1	20.1	20.1	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1570	1	0	1570	1570	1570	---
Oxidation-Reduction Potential	mV			160	1	0	160	160	160	---
pH, Laboratory	s.u.		6.5-8.5	9.46	1	0	9.46	9.46	9.46	---
Sodium Adsorption Ratio (SAR)	unitless			17	1	0	17	17	17	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1300	1	0	1300	1300	1300	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			74	1	0	74	74	74	---
Bicarbonate as HCO3	mg/L			66	1	0	66	66	66	---
Calcium, Dissolved	mg/L			23	1	0	23	23	23	---
Carbonate as CO3	mg/L			12	1	0	12	12	12	---
Chloride	mg/L		250	70 d	1	0	70	70	70	---
Fluoride	mg/L	4	2	0.8	1	0	0.8	0.8	0.8	---
Magnesium, Dissolved	mg/L			14.8	1	0	14.8	14.8	14.8	---
Nitrogen, Ammonia as N	mg/L			0.5	1	0	0.5	0.5	0.5	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			6.8	1	0	6.8	6.8	6.8	---
Silica	mg/L			<0.2	1	1	<0.2	<0.2	<0.2	---
Sodium, Dissolved	mg/L			437	1	0	437	437	437	---
Sulfate, Total	mg/L		250	872 d	1	0	872	872	872	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.9	1	0	0.9	0.9	0.9	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.9	1	0	0.9	0.9	0.9	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.87	1	0	0.87	0.87	0.87	---
Lead, Total	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Total	mg/L		0.05	0.04	1	0	0.04	0.04	0.04	---
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			2.5	1	0	2.5	2.5	2.5	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---

Dewey-Burdock Hydro ID				704	Summary Statistics for Hydro ID 704 Unkpapa					
Screened Interval				Unkpapa						
Date and Time Collected				9/23/2008 12:30:00 PM						
Lab ID				R08090356 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		-3 j	1	0	-3	0	-3	---
Gross Beta, Dissolved	pCi/L			-5 j	1	0	-5	0	-5	---
Gross Gamma, Dissolved	pCi/L			830	1	0	830	830	830	---
Lead 210, Dissolved	pCi/L			1.1 j	1	0	1.1	1.1	1.1	---
Polonium 210, Dissolved	pCi/L			0.3 j	1	0	0.3	0.3	0.3	---
Radium 226, Dissolved	pCi/L	5		0.04 j	1	0	0.04	0.04	0.04	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-3 j	1	0	-3	0	-3	---
Polonium 210, Suspended	pCi/L			-0.015 j	1	0	-0.015	0	-0.015	---
Radium 226, Suspended	pCi/L	5		-0.2 j	1	0	-0.2	0	-0.2	---
Thorium 230, Suspended	pCi/L			0.3	1	0	0.3	0.3	0.3	---
Radionuclides, Total										
Radon 222, Total	pCi/L			188	1	0	188	188	188	---
Data Quality Parameters										
A/C Balance (± 5)	%			-0.14	1	0	-0.14	0	-0.14	---
Anions	meq/l			21.6	1	0	21.6	21.6	21.6	---
Cations	meq/l			21.6	1	0	21.6	21.6	21.6	---
Solids, Total Dissolved Calculated	mg/L			1470	1	0	1470	1470	1470	---
TDS Balance (0.80 - 1.20)	dec. %			0.9	1	0	0.9	0.9	0.9	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				704	Summary Statistics for Hydro ID 704 Chilson					
Screened Interval				Chilson						
Date and Time Collected				2/24/2009 9:40:00 AM						
Lab ID				R09020293 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1360	1	0	1360	1360	1360	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	8.02	1	0	8.02	8.02	8.02	---
Field Temperature	Deg C			13.2	1	0	13.2	13.2	13.2	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1300	1	0	1300	1300	1300	---
Oxidation-Reduction Potential	mV			200	1	0	200	200	200	---
pH, Laboratory	s.u.		6.5-8.5	7.78	1	0	7.78	7.78	7.78	---
Sodium Adsorption Ratio (SAR)	unitless			6.1	1	0	6.1	6.1	6.1	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	890	1	0	890	890	890	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			168	1	0	168	168	168	---
Bicarbonate as HCO3	mg/L			205	1	0	205	205	205	---
Calcium, Dissolved	mg/L			55 d	1	0	55	55	55	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	10	1	0	10	10	10	---
Fluoride	mg/L	4	2	0.5	1	0	0.5	0.5	0.5	---
Magnesium, Dissolved	mg/L			18.6	1	0	18.6	18.6	18.6	---
Nitrogen, Ammonia as N	mg/L			0.1	1	0	0.1	0.1	0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			9.3	1	0	9.3	9.3	9.3	---
Silica	mg/L			7.1	1	0	7.1	7.1	7.1	---
Sodium, Dissolved	mg/L			205	1	0	205	205	205	---
Sulfate, Total	mg/L		250	487 d	1	0	487	487	487	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.08	1	1	0.08	0.08	0.08	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.001	1	1	0.001	0.001	0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.55	1	0	1.55	1.55	1.55	---
Lead, Total	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Total	mg/L		0.05	0.09	1	0	0.09	0.09	0.09	---
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			1	1	0	1	1	1	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---

Dewey-Burdock Hydro ID				704	Summary Statistics for Hydro ID 704 Chilson					
Screened Interval				Chilson						
Date and Time Collected				2/24/2009 9:40:00 AM						
Lab ID				R09020293 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		2.5 j	1	0	2.5	2.5	2.5	---
Gross Beta, Dissolved	pCi/L			8.8	1	0	8.8	8.8	8.8	---
Gross Gamma, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Lead 210, Dissolved	pCi/L			-1 j	1	0	-1	-1	-1	---
Polonium 210, Dissolved	pCi/L			0.15 j	1	0	0.15	0.15	0.15	---
Radium 226, Dissolved	pCi/L	5		1.6	1	0	1.6	1.6	1.6	---
Thorium 230, Dissolved	pCi/L			0.04 j	1	0	0.04	0.04	0.04	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-0.2 j	1	0	-0.2	-0.2	-0.2	---
Polonium 210, Suspended	pCi/L			0.068 j	1	0	0.068	0.068	0.068	---
Radium 226, Suspended	pCi/L	5		-0.03 j	1	0	-0.03	-0.03	-0.03	---
Thorium 230, Suspended	pCi/L			-0.007 j	1	0	-0.007	-0.007	-0.007	---
Radionuclides, Total										
Radon 222, Total	pCi/L			200	1	0	200	200	200	---
Data Quality Parameters										
A/C Balance (± 5)	%			-1.29	1	0	-1.29	-1.29	-1.29	---
Anions	meq/l			13.8	1	0	13.8	13.8	13.8	---
Cations	meq/l			13.4	1	0	13.4	13.4	13.4	---
Solids, Total Dissolved Calculated	mg/L			905	1	0	905	905	905	---
TDS Balance (0.80 - 1.20)	dec. %			0.98	1	0	0.98	0.98	0.98	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

Dewey-Burdock Hydro ID				705	705	705	705	705	705	705
Month Sampled				Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10
Date and Time Collected				1/18/2010 12:00:00 AM	2/22/2010 12:00:00 AM	3/15/2010 12:00:00 AM	4/21/2010 12:00:00 AM	5/17/2010 12:00:00 AM	6/22/2010 12:00:00 AM	7/27/2010 12:00:00 AM
Lab ID				R10010180 -001	R10020266 -001	R10030205 -001	R10040303 -001	R10050253 -001	R10060444 -001	R10070459 -001
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Field Parameters										
Field Conductivity	umhos/cm			1260	1260	1300	1320	1360	1380	1360
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.83	9.98	8.97	8.83	7.99	7.76	7.68
Field Temperature	Deg C			13.8	13.4	12.9	13.7	14.6	15.3	15.2
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	3709.57
Physical Properties										
Conductivity @ 25 C	umhos/cm			1150	1570	1360	1300	1300 b	1320	1320
Oxidation-Reduction Potential	mV			210	220	200	230	260	330	180
pH, Laboratory	s.u.		6.5-8.5	9.03	9.34	7.93	8.04	7.91	7.86	7.84
Sodium Adsorption Ratio (SAR)	unitless			4.6	4.7	3.6	4.2	4	3.6	3.8
Solids, Total Dissolved TDS @ 180 C	mg/L		500	770	840	1000	970	840	910 d	950 d
Major Ions										
Alkalinity, Total as CaCO3	mg/L			40	36	160 h	104	130	152	168
Bicarbonate as HCO3	mg/L			44	39	195 h	127	158	185	205
Calcium, Dissolved	mg/L			61 d	54 d	88 d	76 d	81 d	92 d	94 d
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	7	7.2	8	7	8	7	7
Fluoride	mg/L	4	2	0.3	0.2	0.3	0.3	0.4	0.4	0.4
Magnesium, Dissolved	mg/L			21.7	22.5	31.8	28	29.4	33.6	34.9
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.1	0.6	0.2	<0.1	0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1
Potassium, Dissolved	mg/L			13.6	12.9	11.5	12.7	11.7	11.8	11.3
Silica	mg/L			7.1	7.8	8.3	10.3	7.5	8.2	9.3
Sodium, Dissolved	mg/L			166 d	162 d	154 d	168 d	166 d	159 d	169 d
Sulfate, Total	mg/L		250	513	495	509	521	542	524 d	534 d
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.01	<0.01	0.04	0.02	0.03	0.05	0.05
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0007
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	0.0015 b	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.001	<0.001	0.001	0.001	0.001	0.004	0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	0.1	<0.1	0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.1	<0.03	0.34 d	0.11 d	0.22	0.31	0.25
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.02	<0.01	0.05	0.02	0.03	0.05	0.05
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.6	2.2	2.8	2.6	2.4	2.8	2.8
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		3 j	1.1 j	8.6	7.5	3.9 j	6.2 j	6.7
Gross Beta, Dissolved	pCi/L			11.3	6.7	13.7	12.8	8.4	13.4	17.1
Gross Gamma, Dissolved	pCi/L			1100	<20	810	1000	420	500	500
Lead 210, Dissolved	pCi/L			0.3 j	-0.1 j	2 j	-2 j	0.02 j	0.8 j	0.4 j
Polonium 210, Dissolved	pCi/L			0.05 j	0.05 j	-0.02 j	-0.039 j	-0.06 j	0.11 j	0.076 j

Dewey-Burdock Hydro ID				705	705	705	705	705	705	705
Month Sampled				Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10
Date and Time Collected				1/18/2010 12:00:00 AM	2/22/2010 12:00:00 AM	3/15/2010 12:00:00 AM	4/21/2010 12:00:00 AM	5/17/2010 12:00:00 AM	6/22/2010 12:00:00 AM	7/27/2010 12:00:00 AM
Lab ID				R10010180 -001	R10020266 -001	R10030205 -001	R10040303 -001	R10050253 -001	R10060444 -001	R10070459 -001
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Radium 226, Dissolved	pCi/L	5		0.6	0.8	2.1	1.8	1.6	1.8	1.8
Thorium 230, Dissolved	pCi/L			0.02 j	0.01 j	0.002 j	0.1 j	0.03 j	1.2	0.04 j
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			1.9 j	0.2 j	0.06 j	-0.1 j	-0.3 j	2.7 j	-1 j
Polonium 210, Suspended	pCi/L			-0.056 j	0.069 j	-0.013 j	0.18 j	0.077 j	-0.036 j	-0.1 j
Radium 226, Suspended	pCi/L	5		-0.2 j	0.03 j	0.2	-0.01 j	0.3 j	-0.3 j	-0.1 j
Thorium 230, Suspended	pCi/L			-0.1 j	-0.07 j	-0.08 j	-0.1 j	-0.4 j	-0.4 j	0.2 j
Radionuclides, Total										
Radon 222, Total	pCi/L			206	<100	260	<100	157	243	247
Data Quality Parameters										
A/C Balance (± 5)	%			2.96	2.9	0.03	2.2	-0.47	1.5	1.76
Anions	meq/l			11.7	11.2	14	13.2	14.1	14.2	14.7
Cations	meq/l			12.4	11.9	14	13.7	14	14.6	15.2
Solids, Total Dissolved Calculated	mg/L			825	1130	922	903	937	944	977
TDS Balance (0.80 - 1.20)	dec. %			0.93	1.06	1.08	1.07	0.9	0.96	0.97

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.
NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				705	705	705	705	705	Summary Statistics for Hydro ID 705					
Month Sampled				Aug-10	Sep-10	Oct-10	Nov-10	Dec-10						
Date and Time Collected				8/23/2010 12:00:00 AM	9/28/2010 12:00:00 AM	10/25/2010 12:00:00 AM	11/15/2010 12:00:00 AM	12/14/2010 12:00:00 AM						
Lab ID				R10080398 -001	R10090519 -001	R10100355 -001	R10110179 -001	R10120179 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			1370	1380	1380	1390	1390	12	0	1260	1390	1345.833	48.51585
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.73	7.7	7.77	7.74	7.7	12	0	7.68	9.98	8.306667	0.868859
Field Temperature	Deg C			14.8	14.8	14.1	13.8	13.8	12	0	12.9	15.3	14.18333	0.748129
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3709.55	NM	3710.03	3709.71	3709.77	5	0	3709.55	3710.03	3709.726	0.193598
Physical Properties														
Conductivity @ 25 C	umhos/cm			1330	1390	1310	1300	1350	12	0	1150	1570	1333.333	94.42008
Oxidation-Reduction Potential	mV			270	260	270	210	190	12	0	180	330	235.8333	43.16108
pH, Laboratory	s.u.		6.5-8.5	7.88	7.77	7.77	7.63	7.59	12	0	7.59	9.34	8.049167	0.548758
Sodium Adsorption Ratio (SAR)	unitless			3.7	3.8	3.6	3.6	3.6	12	0	3.6	4.7	3.9	0.397721
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1100 d	990 d	940 d	990 d	990 d	12	0	770	1100	940.8333	89.18401
Major Ions														
Alkalinity, Total as CaCO3	mg/L			168	166	170	166	166	12	0	36	170	135.5	49.55163
Bicarbonate as HCO3	mg/L			205	202	207	202	202	12	0	39	207	164.25	62.06613
Calcium, Dissolved	mg/L			97 d	95.3	93.8	91.4	95.8	12	0	54	97	84.94167	14.32762
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	8 b	8 b	7	8	8	12	0	7	8	7.516667	0.507818
Fluoride	mg/L	4	2	0.5	0.4	0.3	0.5	0.4	12	0	0.2	0.5	0.366667	0.088763
Magnesium, Dissolved	mg/L			35.4	34.8	33.7	33.4	34.4	12	0	21.7	35.4	31.13333	4.777853
Nitrogen, Ammonia as N	mg/L			0.1	0.2	0.2	0.1	0.2	12	1	<0.1	0.6	0.1875	0.141622
Nitrogen, Nitrate as N	mg/L	10		<0.1	<2	<0.1	<0.1	<0.1	12	12	<0.1	<2	<2	<2
Nitrogen, Nitrite as N	mg/L	1		<0.1	<2	<0.1	<0.1	<0.1	12	11	<0.1	0.3	0.15	0.277161
Potassium, Dissolved	mg/L			11.7	11.6	11.3	11.8	11.7	12	0	11.3	13.6	11.96667	0.712656
Silica	mg/L			8.5	9.3	8.2	8.8	10.4	12	0	7.1	10.4	8.641667	1.029085
Sodium, Dissolved	mg/L			169 d	169 d	162 d	157 d	163 d	12	0	154	169	163.6667	5.051252
Sulfate, Total	mg/L		250	575 d	545 d	524 d	548 d	538 d	12	0	495	575	530.6667	21.10723
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	0.001	0.001	<0.001	12	9	<0.001	0.001	0.000625	0.000226
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.2	0.066667	0.044381
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	0.03	12	11	<0.03	0.03	0.01625	0.00433
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.05	0.04	0.05	0.05	12	1	<0.01	0.05	0.037083	0.016849
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	0.002	12	11	<0.001	0.002	0.000625	0.000433
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	12	11	<0.0003	0.0007	0.000196	0.000159
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.005417	0.001443
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	0.002	12	11	<0.001	0.002	0.000625	0.000433
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	12	11	<0.0003	0.0015	0.000263	0.00039
Metals, Total														
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.003	0.002 b	0.001	0.002	0.003 b	12	1	<0.001	0.004	0.001708	0.001097
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	9	<0.1	0.1	0.0625	0.022613
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.28	0.23	0.21	0.26	0.2	12	1	<0.03	0.34	0.210417	0.093722
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.05	0.05	0.05	0.05	12	1	<0.01	0.05	0.039583	0.016301
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	0.001	<0.001	<0.001	12	11	<0.001	0.001	0.000542	0.000144
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.7	2.7	2.8	2.6	2.7	12	0	2.2	2.8	2.641667	0.183196
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	0.0003	<0.0003	12	11	<0.0003	0.0003	0.000163	4.33E-05
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved														
Gross Alpha, Dissolved	pCi/L	15		8.9	-3 j	-0.6 j	0.7 j	-0.3 j	12	0	-3	8.9	3.558333	4.001922
Gross Beta, Dissolved	pCi/L			15.5	8.6	9.7	10.7	11	12	0	6.7	17.1	11.575	3.054988
Gross Gamma, Dissolved	pCi/L			710	390	670	650	390	12	1	<20	1100	595.8333	295.7412
Lead 210, Dissolved	pCi/L			0.01 j	1.8 j	-0.5 j	1 j	-0.2 j	12	0	-2	2	0.294167	1.061392
Polonium 210, Dissolved	pCi/L			0.088 j	-0.024 j	-0.035 j	-0.012 j	0.1 j	12	0	-0.06	0.11	0.023667	0.061322

Dewey-Burdock Hydro ID				705	705	705	705	705	Summary Statistics for Hydro ID 705					
Month Sampled				Aug-10	Sep-10	Oct-10	Nov-10	Dec-10						
Date and Time Collected				8/23/2010 12:00:00 AM	9/28/2010 12:00:00 AM	10/25/2010 12:00:00 AM	11/15/2010 12:00:00 AM	12/14/2010 12:00:00 AM						
Lab ID				R10080398 -001	R10090519 -001	R10100355 -001	R10110179 -001	R10120179 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 226, Dissolved	pCi/L	5		1.8	1.8	2.4	2	1.9	12	0	0.6	2.4	1.7	0.509902
Thorium 230, Dissolved	pCi/L			0.09 j	0.04 j	0.02 j	-0.03 j	0.05 j	12	0	-0.03	1.2	0.131	0.338522
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			-0.08 j	-0.07 j	0.7 j	1.3 j	0.6 j	12	0	-1	2.7	0.4925	1.030632
Polonium 210, Suspended	pCi/L			0.069 j	-0.0041 j	-0.013 j	0.078 j	0 j	12	0	-0.1	0.18	0.020908	0.075964
Radium 226, Suspended	pCi/L	5		-0.2 j	-0.06 j	0.1 j	0.2	-0.2 j	12	0	-0.3	0.3	-0.02	0.190645
Thorium 230, Suspended	pCi/L			-0.03 j	0.03 j	-0.3 j	-0.2 j	-0.2 j	12	0	-0.4	0.2	-0.1375	0.174831
Radionuclides, Total														
Radon 222, Total	pCi/L			238	232	202	532	269	12	2	<100	532	223.8333	122.5426
Data Quality Parameters														
A/C Balance (± 5)	%			-0.5	1.23	0.85	-1.85	0.94	12	0	-1.85	2.96	0.9625	1.454011
Anions	meq/l			15.6	14.9	14.5	15	14.8	12	0	11.2	15.6	13.99167	1.333797
Cations	meq/l			15.4	15.3	14.8	14.4	15	12	0	11.9	15.4	14.225	1.116101
Solids, Total Dissolved Calculated	mg/L			1020	988	940	974	979	12	0	825	1130	961.5833	72.74046
TDS Balance (0.80 - 1.20)	dec. %			1.04	1	0.98	1.02	1.01	12	0	0.9	1.08	1.001667	0.056219

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.
NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL
Secondary Standard

Dewey-Burdock Hydro ID				706	706	706	706	706	706	706
Month Sampled				Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10
Date and Time Collected				1/18/2010 12:00:00 AM	2/22/2010 12:00:00 AM	3/15/2010 12:00:00 AM	4/21/2010 12:00:00 AM	5/17/2010 12:00:00 AM	6/22/2010 12:00:00 AM	7/27/2010 12:00:00 AM
Lab ID				R10010180 -002	R10020266 -002	R10030205 -003	R10040303 -002	R10050253 -002	R10060444 -002	R10070459 -002
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Field Parameters										
Field Conductivity	umhos/cm			1620	1600	1610	1610	1600	1590	1560
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.61	7.6	7.5	7.5	7.45	7.39	7.28
Field Temperature	Deg C			13.2	11.7	12.6	13	14	14.3	14.3
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	3725.27
Physical Properties										
Conductivity @ 25 C	umhos/cm			1620	1160	1570	1600	1520 b	1520	1540
Oxidation-Reduction Potential	mV			220	230	220	290	260	340	220
pH, Laboratory	s.u.		6.5-8.5	7.63	7.57	7.48	7.5	7.47	7.5	7.51
Sodium Adsorption Ratio (SAR)	unitless			2.2	2.2	2.2	2.3	2.3	2.3	2.4
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1200	1300	1200	1200	1100	1100 d	1200 d
Major Ions										
Alkalinity, Total as CaCO3	mg/L			196	190	200 h	198	200	210	200
Bicarbonate as HCO3	mg/L			239	232	244 h	241	244	256	244
Calcium, Dissolved	mg/L			172 d	166 d	166 d	173 d	168 d	165 d	163 d
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	10	9.9	10	9	10	9	9
Fluoride	mg/L	4	2	0.4	0.4	0.5	0.5	0.5	0.5	0.5
Magnesium, Dissolved	mg/L			49	48	46.6	48.6	47.2	47.4	47.4
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.4	12.3	11.3	11.9	11.7	11.8	11.5
Silica	mg/L			9.1	8.8	8.3	9	6.7	7.6	8.5
Sodium, Dissolved	mg/L			127 d	126 d	124 d	134 d	130 d	130 d	132 d
Sulfate, Total	mg/L		250	714	677	666	659	694	640 d	658 d
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.003	0.003	0.001	0.001	0.001	0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.52	0.48	0.53	0.56	0.54	0.56	0.56
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0089	0.0079	0.0078	0.0084	0.0086	0.0087	0.0069
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	0.0011 b	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.003	0.003	0.001	0.002	0.001	0.001	0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.03	0.07	0.15 d	<0.04	<0.03	<0.03	<0.03
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.54	0.5	0.56	0.57	0.55	0.57	0.56
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	0.001	<0.001	<0.001	0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.4	2.5	2.4	2.4	2.3	2.4	2.3
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0087	0.008	0.0088	0.0083	0.0088	0.0081	0.008
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		39.7	37.9	11.2	56.3	40.1	34	31.6
Gross Beta, Dissolved	pCi/L			18.3	27.5	19.7	32.7	25.7	19.6	27.2
Gross Gamma, Dissolved	pCi/L			820	<20	990	960	<20	1300	980
Lead 210, Dissolved	pCi/L			1.1 j	-0.1 j	0.7 j	-2 j	2.2 j	0.7 j	-1 j
Polonium 210, Dissolved	pCi/L			0.074 j	0.23 j	0 j	-0.0025 j	-0.06 j	-0.042 j	0.062 j

Dewey-Burdock Hydro ID				706	706	706	706	706	706	706
Month Sampled				Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10
Date and Time Collected				1/18/2010 12:00:00 AM	2/22/2010 12:00:00 AM	3/15/2010 12:00:00 AM	4/21/2010 12:00:00 AM	5/17/2010 12:00:00 AM	6/22/2010 12:00:00 AM	7/27/2010 12:00:00 AM
Lab ID				R10010180 -002	R10020266 -002	R10030205 -003	R10040303 -002	R10050253 -002	R10060444 -002	R10070459 -002
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Radium 226, Dissolved	pCi/L	5		2.7	2.3	2.9	4.3	1.9	2.5	2.6
Thorium 230, Dissolved	pCi/L			0.01 j	-0.01 j	-0.01 j	0.004 j	0.006 j	0.8	0.04 j
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			2.6 j	0.3 j	0.7 j	0.7 j	-1 j	0.05 j	-2 j
Polonium 210, Suspended	pCi/L			0.12 j	-0.096 j	0.061 j	0.14 j	0.061 j	-0.047 j	0 j
Radium 226, Suspended	pCi/L	5		-0.2 j	0.07 j	0.2	0.03 j	0.6	-0.2 j	-0.1 j
Thorium 230, Suspended	pCi/L			0.06 j	-0.07 j	-0.001 j	0.1 j	-0.1 j	-0.2 j	-0.2 j
Radionuclides, Total										
Radon 222, Total	pCi/L			270	313	319	303	303	338	373
Data Quality Parameters										
A/C Balance (± 5)	%			-1.62	-0.44	-0.99	2.25	-1.36	0.9	0.4
Anions	meq/l			19.1	18.2	18.2	18	18.8	17.8	18
Cations	meq/l			18.5	18	17.8	18.8	18.3	18.2	18.1
Solids, Total Dissolved Calculated	mg/L			1230	1540	1170	1180	1200	1150	1160
TDS Balance (0.80 - 1.20)	dec. %			0.96	1.08	1.06	1.06	0.93	0.96	1

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.
NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				706	706	706	706	706	Summary Statistics for Hydro ID 706					
Month Sampled				Aug-10	Sep-10	Oct-10	Nov-10	Dec-10						
Date and Time Collected				8/23/2010 12:00:00 AM	9/28/2010 12:00:00 AM	10/25/2010 12:00:00 AM	11/15/2010 12:00:00 AM	12/14/2010 12:00:00 AM						
Lab ID				R10080398 -002	R10090519 -002	R10100355 -002	R10110179 -002	R10120179 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			1550	1570	1580	1590	1590	12	0	1550	1620	1589.17	21.08784
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.37	7.35	7.45	7.38	7.38	12	0	7.28	7.61	7.44	0.100076
Field Temperature	Deg C			14	13.9	13.2	13.4	13.2	12	0	11.7	14.3	13.40	0.76277
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3724.82	NM	3724.8	3725.29	3725.19	5	0	3724.8	3725.29	3725.07	0.243988
Physical Properties														
Conductivity @ 25 C	umhos/cm			1540	1560	1510	1470	1540	12	0	1160	1620	1512.50	118.0235
Oxidation-Reduction Potential	mV			280	290	320	220	200	12	0	200	340	257.50	45.7513
pH, Laboratory	s.u.		6.5-8.5	7.53	7.44	7.59	7.35	7.3	12	0	7.3	7.63	7.49	0.093853
Sodium Adsorption Ratio (SAR)	unitless			2.3	2.3	2.3	2.2	2.2	12	0	2.2	2.4	2.27	0.065134
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1300 d	1200 d	1200 d	1200 d	1200 d	12	0	1100	1300	1200.00	60.30227
Major Ions														
Alkalinity, Total as CaCO3	mg/L			194	192	192	194	194	12	0	190	210	196.67	5.416026
Bicarbonate as HCO3	mg/L			236	234	234	236	236	12	0	232	256	239.67	6.665151
Calcium, Dissolved	mg/L			170 d	166	167	163	167	12	0	163	173	167.17	3.157483
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	10 b	10 b	9	10	10	12	0	9	10	9.66	0.487029
Fluoride	mg/L	4	2	0.6	0.5	0.5	0.6	0.6	12	0	0.4	0.6	0.51	0.066856
Magnesium, Dissolved	mg/L			48.7	47.9	47.7	45.2	47.8	12	0	45.2	49	47.63	1.020806
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	0.1	<0.1	<0.1	12	11	<0.1	0.1	0.05	0.014434
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.2	0.06	0.043301
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.2	11.6	11.6	12	11.9	12	0	11.3	12.4	11.85	0.334392
Silica	mg/L			7.9	8.6	7.9	8.3	9.3	12	0	6.7	9.3	8.33	0.730297
Sodium, Dissolved	mg/L			133 d	132 d	132 d	125 d	128 d	12	0	124	134	129.42	3.34279
Sulfate, Total	mg/L		250	708 d	687 d	648 d	689 d	682 d	12	0	640	714	676.83	23.16672
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.001	0.001	<0.001	<0.001	12	3	<0.001	0.003	0.00	0.000865
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.1	0.05	0.014434
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	12	12	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.57	0.53	0.49	0.57	0.58	12	0	0.48	0.58	0.54	0.032039
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	0.002	12	11	<0.001	0.002	0.001	0.000433
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0087	0.0081	0.0086	0.0082	0.0083	12	0	0.0069	0.0089	0.01	0.000545
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.02	0.01	0.00433
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	0.002	12	11	<0.001	0.002	0.001	0.000433
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	12	11	<0.0003	0.0011	0.0002	0.000274
Metals, Total														
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.001	0.002 b	0.003	0.002	0.001	12	0	0.001	0.003	0.00	0.000866
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.1	0.05	0.014434
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	<0.03	0.03	0.06	0.04	0.04	12	5	<0.03	0.15	0.04	0.038691
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.58	0.57	0.56	0.59	0.52	12	0	0.5	0.59	0.56	0.025391
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.001	0.00	0.000195
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.3	2.3	2	2.3	2.2	12	0	2	2.5	2.32	0.12673
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0083	0.0085	0.0089	0.0098	0.0084	12	0	0.008	0.0098	0.01	0.000504
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved														
Gross Alpha, Dissolved	pCi/L	15		21.9	20.5	19.3	24.5	18.2	12	0	11.2	56.3	29.60	12.64954
Gross Beta, Dissolved	pCi/L			25.2	21.3	25.8	21.1	22.4	12	0	18.3	32.7	23.88	4.201326
Gross Gamma, Dissolved	pCi/L			610	470	490	490	<162.4	12	3	<20	1300	600.93	423.3033
Lead 210, Dissolved	pCi/L			-0.7 j	1.5 j	0.1 j	-0.08 j	-0.8 j	12	0	-2	2.2	0.14	1.176192
Polonium 210, Dissolved	pCi/L			-0.04 j	-0.075 j	-0.012 j	-0.011 j	0.096 j	12	0	-0.075	0.23	0.02	0.08543

Dewey-Burdock Hydro ID				706	706	706	706	706	Summary Statistics for Hydro ID 706					
Month Sampled				Aug-10	Sep-10	Oct-10	Nov-10	Dec-10						
Date and Time Collected				8/23/2010 12:00:00 AM	9/28/2010 12:00:00 AM	10/25/2010 12:00:00 AM	11/15/2010 12:00:00 AM	12/14/2010 12:00:00 AM						
Lab ID				R10080398 -002	R10090519 -002	R10100355 -002	R10110179 -002	R10120179 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detects)	Minimum	Maximum	Mean*	StDev*
Radium 226, Dissolved	pCi/L	5		2.7	2	2.2	2.4	2.5	12	0	1.9	4.3	2.58	0.614718
Thorium 230, Dissolved	pCi/L			-0.02 j	0.008 j	0.001 j	0.03 j	0.04 j	12	0	-0.02	0.8	0.07	0.229142
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			-0.02 j	-0.6 j	1.5 j	2.5 j	0.3 j	12	0	-2	2.6	0.42	1.337382
Polonium 210, Suspended	pCi/L			0.068 j	-0.0047 j	0.081 j	-0.032 j	0 j	12	0	-0.096	0.14	0.03	0.070591
Radium 226, Suspended	pCi/L	5		-0.1 j	-0.02 j	0.2	0.1 j	-0.1 j	12	0	-0.2	0.6	0.04	0.222996
Thorium 230, Suspended	pCi/L			-0.03 j	0.05 j	-0.1 j	-0.2 j	-0.1 j	12	0	-0.2	0.1	-0.07	0.104342
Radionuclides, Total														
Radon 222, Total	pCi/L			342	300	254	683	241	12	0	241	683	336.58	115.2905
Data Quality Parameters														
A/C Balance (± 5)	%			-0.75	-0.4	2.02	-2.58	-0.56	12	0	-2.58	2.25	-0.26	1.434532
Anions	meq/l			18.9	18.4	17.6	18.6	18.4	12	0	17.6	19.1	18.33	0.455937
Cations	meq/l			18.6	18.3	18.3	17.6	18.2	12	0	17.6	18.8	18.23	0.330633
Solids, Total Dissolved Calculated	mg/L			1220	1190	1190	1180	1190	12	0	1150	1540	1216.67	104.3014
TDS Balance (0.80 - 1.20)	dec. %			1.09	1	1.03	1.01	0.99	12	0	0.93	1.09	1.01	0.050894

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				3026	3026	3026	3026	3026	3026	3026	3026
Quarter Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 6:45:00 PM	4/22/2008 2:30:00 PM	5/28/2008 3:15:00 PM	6/24/2008 8:06:00 PM	7/13/2008 3:28:00 PM	8/19/2008 4:25:00 PM	9/23/2008 3:10:00 PM	10/20/2008 1:15:00 PM
Lab ID				R08030315 -009	R08040287 -003	R08050406 -003	R08060427 -006	R08070220 -001	R08080301 -001	R08090356 -007	R08100295 -007
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			2250	2818	2821	3069	3098	2843	2700	2700
Field Dissolved Oxygen	mg/L			3.83	NM	NM	0.15	0.17	0.71	NM	NM
Field pH	s.u.		6.5-8.5	10.79	8.95	6.91	6.58	6.5	6.09	6.86	6.8
Field Temperature	Deg C			10.89	12	12.03	12.41	12.36	12.37	13.8	12.2
Field Turbidity	NTUs			19.9	17.5	1.2	5	10.7	9.1	NM	NM
Water Level Elevation	ft AMSL			3681.89	3681.77	3681.73	3681.85	3681.78	3681.63	3681.78	3681.83
Physical Properties											
Conductivity @ 25 C	umhos/cm			2770	2730	2610	2970	3070	3480	2060	2660
Oxidation-Reduction Potential	mV			200	240	210	85	-15.5	130	-97.9	210
pH, Laboratory	s.u.		6.5-8.5	7.63	8.49	6.95	6.82	6.57	7.07	6.92	7.12
Sodium Adsorption Ratio (SAR)	unitless			3.7	3.6	2.4	1.8	1.8	1.7	2	2.1
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2300	2300	2400	2700	2800	2800	2300	1700
Major Ions											
Alkalinity, Total as CaCO3	mg/L			130	126	166	172	184	208	196	194
Bicarbonate as HCO3	mg/L			158	134	202	210	224	254	239	236
Calcium, Dissolved	mg/L			284	331	407	461	466	499	347	331
Carbonate as CO3	mg/L			<5	10	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	37 d	16	15	15	15	15	15	17
Fluoride	mg/L	4	2	0.6	0.4	0.4	0.4	0.5	0.4	0.5	0.3
Magnesium, Dissolved	mg/L			67.9	86.8	105	137	138	152	113	104
Nitrogen, Ammonia as N	mg/L			1.2	0.8	0.7	0.6	0.7	0.6	0.5	0.4
Nitrogen, Nitrate as N	mg/L	10		0.1	0.09	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			21.3	23.7	25.3	22.3	30.6	21.9	18.6	19
Silica	mg/L			5.7	2.1	2.3	1.9	1.4	2.2	<0.5	9.9
Sodium, Dissolved	mg/L			271	284 d	209 d	171 d	168	172 d	171	168 d
Sulfate, Total	mg/L		250	1470 d	1520	1480 d	1790	1700 d	1870 d	1560 d	1360 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.004	0.012	0.002	<0.001	0.016	0.017	<0.001	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.2	0.2	0.1	0.2	0.2	0.2
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.1	2.67	0.23	0.04	21.2	25.4	1.26	3.36
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.42	0.36	0.82	1.42	1.47	1.6	0.84	0.92
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			0.2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0151	0.015	0.0281	0.0183	0.0128	0.0106	0.0059	0.0045
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.01	<0.01	<0.01	0.01	0.02	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001
Selenium-VI, Dissolved	mg/L			0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		0.004	0.001	0.0013	0.0015	<0.0003	<0.0003	<0.0008	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.023	0.022	0.028	0.025	0.044	0.022	0.016	0.01 l
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	0.2	0.3	0.1	0.2	0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.75	5.38	11.1	21.8	22	25.8	17.9	14.3
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.13	0.46	0.87	1.46	1.57	1.64	1.18	1.01
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	<0.0001	NM	NM	NM
Molybdenum, Total	mg/L			0.3	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.007	0.002	<0.001	0.005 d	<0.001	0.001	0.002	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			4.8	6.3	7	7.4	7.7	7.2	6.5	5.9
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				3026	3026	3026	3026	3026	3026	3026	3026
Quarter Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 6:45:00 PM	4/22/2008 2:30:00 PM	5/28/2008 3:15:00 PM	6/24/2008 8:06:00 PM	7/13/2008 3:28:00 PM	8/19/2008 4:25:00 PM	9/23/2008 3:10:00 PM	10/20/2008 1:15:00 PM
Lab ID				R08030315 -009	R08040287 -003	R08050406 -003	R08060427 -006	R08070220 -001	R08080301 -001	R08090356 -007	R08100295 -007
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.0097	0.0196	0.0322	0.0216	0.0151	0.0105	0.0085	0.0055
Zinc, Total	mg/L		5	<0.01	0.01	0.01	0.01	0.03	0.02	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		47.6	43.8	92.4	116	80.1	77.5	44	36
Gross Beta, Dissolved	pCi/L			21.1	24.4	28.3	33.9	32.6	30.2	16	20.2
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	0 j	1000	840	960	840
Lead 210, Dissolved	pCi/L			<1	0 j	-0.7 j	-5.3 j	3.1 j	2.1 j	0.1 j	-1 j
Polonium 210, Dissolved	pCi/L			0.4 j	0.2 j	0 j	0.2 j	0.2 j	0.2 j	0.2 j	0 j
Radium 226, Dissolved	pCi/L	5		3.6	2.8	9.6	4.7	10.1	9.5	10.4	3.5
Thorium 230, Dissolved	pCi/L			0 j	0.1 j	0.1 j	0 j	0.1 j	0 j	0.1 j	0.1 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			-3 j	-8.2 j	4 j	6.9 j	-10 j	-5 j	-2 j	-3 j
Polonium 210, Suspended	pCi/L			1.9	0 j	-0.1 j	0.2 j	0.1 j	0 j	0.066 j	0.2 j
Radium 226, Suspended	pCi/L	5		3.3	0.1 j	1.2	-0.1 j	-0.2 j	-0.3 j	0.9	-0.8 j
Thorium 230, Suspended	pCi/L			1	0.3	0.2 j	0 j	0 j	0 j	0.5	-0.1 j
Radionuclides, Total											
Radon 222, Total	pCi/L			440	304	213	950	560	836	357	254
Data Quality Parameters											
A/C Balance (± 5)	%			-2.96	3.12	5.9	1.44	5.04	3.22	-3.03	0.62
Anions	meq/l			34.2	34.6	34.5	41.2	39.4	43.6	36.8	32.7
Cations	meq/l			32.2	36.8	38.8	42.4	43.6	46.5	34.6	33.1
Solids, Total Dissolved Calculated	mg/L			2240	2340	2340	2710	2630	2860	2340	2140
TDS Balance (0.80 - 1.20)	dec. %			1.03	0.99	1.03	1.01	1.06	0.98	0.97	0.78

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				3026	3026	3026	3026	Summary Statistics for Hydro ID 3026					
Quarter Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 11:19:00 AM	12/17/2008 12:46:00 PM	1/20/2009 2:25:00 PM	2/24/2009 11:35:00 AM						
Lab ID				R08110211 -007	R08120255 -004	R09010301 -010	R09020293 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			2800	2700	2500	2700	12	0	2250	3098	2749.9167	226.87179
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	4	0	0.15	3.83	1.215	1.7625266
Field pH	s.u.		6.5-8.5	6.72	6.74	7.04	6.76	12	0	6.09	10.79	7.2283333	1.3166199
Field Temperature	Deg C			12.3	11.1	11.2	11.9	12	0	10.89	13.8	12.046667	0.767017
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	1.2	19.9	10.566667	7.1564423
Water Level Elevation	ft AMSL			3681.85	3682.5	3682.53	3682.5	12	0	3681.63	3682.53	3681.97	0.3324291
Physical Properties													
Conductivity @ 25 C	umhos/cm			2310	2490	2600	2510	12	0	2060	3480	2688.3333	367.2956
Oxidation-Reduction Potential	mV			290	310	240	170	12	0	-97.9	310	164.3	121.54901
pH, Laboratory	s.u.		6.5-8.5	7.44	6.83	6.67	6.63	12	0	6.57	8.49	7.095	0.5412528
Sodium Adsorption Ratio (SAR)	unitless			2	1.9	1.9	1.8	12	0	1.7	3.7	2.225	0.6903556
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2300	2300	2100	2300	12	0	1700	2800	2358.3333	305.87678
Major Ions													
Alkalinity, Total as CaCO3	mg/L			184	180	174	176	12	0	126	208	174.16667	24.472
Bicarbonate as HCO3	mg/L			224	219	212	215	12	0	134	254	210.58333	33.703138
Calcium, Dissolved	mg/L			375	377	350	334 d	12	0	284	499	380.16667	65.368652
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	11	<5	10	3.125	2.1650635
Chloride	mg/L		250	17	16	16	16	12	0	15	37	17.5	6.1864956
Fluoride	mg/L	4	2	0.3	0.4	0.6	0.6	12	0	0.3	0.6	0.45	0.1087115
Magnesium, Dissolved	mg/L			117	120	114	108	12	0	67.9	152	113.55833	22.71305
Nitrogen, Ammonia as N	mg/L			0.5	0.5	0.5	0.4	12	0	0.4	1.2	0.6166667	0.2208798
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.1	0.0575	0.0176455
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			19.3	19.7	20.6	17.5	12	0	17.5	30.6	21.65	3.5955781
Silica	mg/L			9.1	9.6	8.5	8.1	12	1	<0.5	9.9	5.0875	3.7283999
Sodium, Dissolved	mg/L			170 d	164 d	161	147	12	0	147	284	188	44.199959
Sulfate, Total	mg/L		250	1370 d	1290 d	1310 d	1390 d	12	0	1290	1870	1509.1667	189.27893
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.002	0.001	0.001	12	2	<0.001	0.017	0.005	0.0062048
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.2	0.2	<0.1	0.2	12	3	<0.1	0.2	0.1541667	0.0689477
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	3.59	6.93	6.85	2.98	12	0	0.04	25.4	6.2175	8.3530007
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	1.04	1.18	1.16	1.1	12	0	0.36	1.6	1.0275	0.3847343
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.2	0.0666667	0.0443813
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.006	0.0009583	0.0015877
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0048	0.0045	0.0039	0.0022	12	0	0.0022	0.0281	0.010475	0.0077189
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.1	0.0541667	0.0144338
Zinc, Dissolved	mg/L		5	<0.01	<0.01	0.02	<0.01	12	8	<0.01	0.02	0.0083333	0.0057735
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.001	0.0005417	0.0001443
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.006	0.0009583	0.0015877
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	0.0003	<0.0003	12	7	<0.0003	0.004	0.0013708	0.0011145
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.006	0.009	0.01	0.006	12	0	0.006	0.044	0.0184167	0.0112044
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.001	0.0005417	0.0001443
Boron, Total	mg/L			0.2	0.2	0.2	0.2	12	2	<0.1	0.3	0.1666667	0.0748736
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.0054167	0.0014434
Iron, Total	mg/L		0.3	14.5	17	17 d	15.1	12	0	1.75	25.8	15.3025	6.817483
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	1	1.08	1.2	1.35	12	0	0.13	1.64	1.0791667	0.4408351
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.3	0.075	0.0722999
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	0.003	<0.001	12	6	<0.001	0.007	0.0019167	0.0021195
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			5.7	5.9	6	5.8	12	0	4.8	7.7	6.35	0.8393721
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001

Dewey-Burdock Hydro ID				3026	3026	3026	3026	Summary Statistics for Hydro ID 3026					
Quarter Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 11:19:00 AM	12/17/2008 12:46:00 PM	1/20/2009 2:25:00 PM	2/24/2009 11:35:00 AM						
Lab ID				R08110211 -007	R08120255 -004	R09010301 -010	R09020293 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0044	0.0047	0.0047	0.0025	12	0	0.0025	0.0322	0.0115833	0.008955
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	7	<0.01	0.03	0.0095833	0.0078214
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		19.7	23.9	51.6	15.4	12	0	15.4	116	54	31.187468
Gross Beta, Dissolved	pCi/L			3.4 j	19	24.9	18.1	12	0	3.4	33.9	22.675	8.4197954
Gross Gamma, Dissolved	pCi/L			0 j	0 j	1000	0 j	12	0	0	1000	386.66667	480.40387
Lead 210, Dissolved	pCi/L			-2 j	2.3 j	-0.9 j	0.4 j	12	1	<1	3.1	-0.116667	2.2147577
Polonium 210, Dissolved	pCi/L			0 j	0.2 j	0.053 j	0.14 j	12	0	0	0.4	0.1494167	0.1185154
Radium 226, Dissolved	pCi/L	5		3.9	2.7	3.5	2.9	12	0	2.7	10.4	5.6	3.2271575
Thorium 230, Dissolved	pCi/L			0 j	0.1 j	0 j	-0.03 j	12	0	-0.03	0.1	0.0475	0.0554527
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-2 j	4 j	-0.5 j	2.9 j	12	0	-10	6.9	-1.325	5.0940473
Polonium 210, Suspended	pCi/L			-0.031 j	0 j	-0.058 j	0.098 j	12	0	-0.1	1.9	0.1979167	0.5442453
Radium 226, Suspended	pCi/L	5		0.8	0.2 j	0.6	0.1 j	12	0	-0.8	3.3	0.4833333	1.0521263
Thorium 230, Suspended	pCi/L			-0.1 j	0.1 j	-0.1 j	-0.07 j	12	0	-0.1	1	0.1441667	0.3268989
Radionuclides, Total													
Radon 222, Total	pCi/L			505	355	295	484	12	0	213	950	462.75	227.8409
Data Quality Parameters													
A/C Balance (± 5)	%			5.27	8.46	5.42	-0.59	12	0	-3.03	8.46	2.6591667	3.6297995
Anions	meq/l			32.8	31	31.2	33	12	0	31	43.6	35.416667	4.0287226
Cations	meq/l			36.4	36.7	34.8	32.6	12	0	32.2	46.5	37.375	4.6045679
Solids, Total Dissolved Calculated	mg/L			2210	2120	2100	2140	12	0	2100	2860	2347.5	252.91483
TDS Balance (0.80 - 1.20)	dec. %			1.03	1.08	0.99	1.05	12	0	0.78	1.08	1	0.0769888

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				4002	4002	4002	4002	Summary Statistics for Hydro ID 4002					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/27/2007 2:35:00 PM	11/14/2007 11:45:00 AM	2/12/2008 11:47:00 AM	5/19/2008 1:00:00 PM						
Lab ID				R07090385 -003	R07110184 -002	R08020130 -004	R08050251 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			747	1185	1230	1214	4	0	747	1230	1094	232.08188
Field Dissolved Oxygen	mg/L			0.43	NM	NM	1.39	2	0	0.43	1.39	0.91	0.6788225
Field pH	s.u.		6.5-8.5	8.32	8.17	7.83	7.92	4	0	7.83	8.32	8.06	0.2252406
Field Temperature	Deg C			NM	11.21	8.34	12.08	3	0	8.34	12.08	10.543333	1.9570982
Field Turbidity	NTUs			NM	3.2	0.3	0.7	3	0	0.3	3.2	1.4	1.5716234
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			1190	1130	1230	1340	4	0	1130	1340	1222.5	88.45903
Oxidation-Reduction Potential	mV			NM	140	190	250	3	0	140	250	193.33333	55.075705
pH, Laboratory	s.u.		6.5-8.5	7.81	7.65	7.83	8.02	4	0	7.65	8.02	7.8275	0.1515201
Sodium Adsorption Ratio (SAR)	unitless			NM	6.7	6.7	6.8	3	0	6.7	6.8	6.7333333	0.057735
Solids, Total Dissolved TDS @ 180 C	mg/L		500	820	850	830	790	4	0	790	850	822.5	25
Major Ions													
Alkalinity, Total as CaCO3	mg/L			140	140	138	144	4	0	138	144	140.5	2.5166115
Bicarbonate as HCO3	mg/L			171	171	168	176	4	0	168	176	171.5	3.3166248
Calcium, Dissolved	mg/L			36.8	41.4	42.4	46.6	4	0	36.8	46.6	41.8	4.0232657
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	7	7	7	6	4	0	6	7	6.75	0.5
Fluoride	mg/L	4	2	0.3	0.4	0.4	0.4	4	0	0.3	0.4	0.375	0.05
Magnesium, Dissolved	mg/L			11.9	13.9	14.2	15.8	4	0	11.9	15.8	13.95	1.6010413
Nitrogen, Ammonia as N	mg/L			0.3	<0.1	<0.1	<0.1	4	3	<0.1	0.3	0.1125	0.125
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	0.1	4	3	<0.1	0.1	0.0625	0.025
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.2	7.3	7.4	7.1	4	0	7.1	7.4	7.25	0.1290994
Silica	mg/L			6.6	7.6	7.3	3.8	4	0	3.8	7.6	6.325	1.734695
Sodium, Dissolved	mg/L			170 d	197 d	198 d	211 d	4	0	170	211	194	17.224014
Sulfate, Total	mg/L		250	454 d	448 d	470	450 d	4	0	448	470	455.5	9.9833194
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.08	0.08	0.08	0.08	4	0	0.08	0.08	0.08	0
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0026	0.0026	0.0026	0.0023	4	0	0.0023	0.0026	0.002525	0.00015
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	<0.001	0.002	2	1	<0.001	0.002	0.00125	0.0010607
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.001	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	2.23	2.29	2	0	2.23	2.29	2.26	0.0424264
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.08	0.08	2	0	0.08	0.08	0.08	0
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	0.8	0.9	2	0	0.8	0.9	0.85	0.0707107
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0025 d	0.0025	2	0	0.0025	0.0025	0.0025	0

Dewey-Burdock Hydro ID				4002	4002	4002	4002	Summary Statistics for Hydro ID 4002					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/27/2007 2:35:00 PM	11/14/2007 11:45:00 AM	2/12/2008 11:47:00 AM	5/19/2008 1:00:00 PM						
Lab ID				R07090385 -003	R07110184 -002	R08020130 -004	R08050251 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		120	227	314	127	4	0	120	314	197	92.047089
Gross Beta, Dissolved	pCi/L			45.5	87.9	101	30.1	4	0	30.1	101	66.125	33.732316
Gross Gamma, Dissolved	pCi/L			120	2200	650	210	4	0	120	2200	795	964.86614
Lead 210, Dissolved	pCi/L			2	6.2	<1	-2.6 j	4	1	<1	6.2	1.525	3.6582099
Polonium 210, Dissolved	pCi/L			<1	<1	2.1	0 j	4	2	<1	2.1	0.775	0.9142392
Radium 226, Dissolved	pCi/L	5		63.6	54.2	57	52.3	4	0	52.3	63.6	56.775	4.942587
Thorium 230, Dissolved	pCi/L			0.5	<0.2	0.2	0 j	4	1	<0.2	0.5	0.2	0.2160247
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			9.7	<1	<1	1.4 j	4	2	<1	9.7	3.025	4.470179
Polonium 210, Suspended	pCi/L			<1	<1	<1	0.1 j	4	3	<1	0.1	0.4	0.2
Radium 226, Suspended	pCi/L	5		<0.2	2.4	37	8.4	4	1	<0.2	37	11.975	17.046285
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total													
Lead 210, Total	pCi/L			12	NM	NM	NM	1	0	12	12	12	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		62.7	NM	NM	NM	1	0	62.7	62.7	62.7	---
Radon 222, Total	pCi/L			NM	8010	9890 h	8780	3	0	8010	9890	8893.3333	945.11022
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.1	-1.56	-2.61	2.11	4	0	-4.1	2.11	-1.54	2.647099
Anions	meq/l			11.3	12.3	12.8	12.4	4	0	11.3	12.8	12.2	0.6377042
Cations	meq/l			10.4	12	12.1	13	4	0	10.4	13	11.875	1.0812801
Solids, Total Dissolved Calculated	mg/L			716	799	842	834	4	0	716	842	797.75	57.61004
TDS Balance (0.80 - 1.20)	dec. %			1.15	1.06	0.98	0.94	4	0	0.94	1.15	1.0325	0.0928709

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				7002	7002	7002	7002	Summary Statistics for Hydro ID 7002					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 5:48:00 PM	11/12/2007 8:10:00 AM	2/20/2008 8:30:00 AM	5/29/2008 10:44:00 AM						
Lab ID				R07100002 -008	R07110146 -001	R08020220 -001	R08050419 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1815	2275	2113	2258	4	0	1815	2275	2115.25	212.95755
Field Dissolved Oxygen	mg/L			NM	1.11	1.21	NM	2	0	1.11	1.21	1.16	0.0707107
Field pH	s.u.		6.5-8.5	6.99	7.89	7.19	7.5	4	0	6.99	7.89	7.3925	0.3924602
Field Temperature	Deg C			11.99	11.37	11.02	12.03	4	0	11.02	12.03	11.6025	0.4920281
Field Turbidity	NTUs			NM	1.9	0.7	2.2	3	0	0.7	2.2	1.6	0.7937254
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			2200	2210	2420	2480	4	0	2200	2480	2327.5	143.61407
Oxidation-Reduction Potential	mV			NM	190	170	230	3	0	170	230	196.66667	30.550505
pH, Laboratory	s.u.		6.5-8.5	7.29	7.22	7.56	7.36	4	0	7.22	7.56	7.3575	0.1466004
Sodium Adsorption Ratio (SAR)	unitless			NM	2.7	2.4	2.6	3	0	2.4	2.7	2.5666667	0.1527525
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1900	1900	1900	1800	4	0	1800	1900	1875	50
Major Ions													
Alkalinity, Total as CaCO3	mg/L			280	250	260	254	4	0	250	280	261	13.316656
Bicarbonate as HCO3	mg/L			341	305	317	310	4	0	305	341	318.25	15.945219
Calcium, Dissolved	mg/L			206 d	237	213	264	4	0	206	264	230	26.267851
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	10	11	9	9	4	0	9	11	9.75	0.9574271
Fluoride	mg/L	4	2	0.2	0.2	0.5	0.3	4	0	0.2	0.5	0.3	0.1414214
Magnesium, Dissolved	mg/L			77.7	90.4	81.7	103	4	0	77.7	103	88.2	11.200893
Nitrogen, Ammonia as N	mg/L			0.3	0.3	0.2	0.2	4	0	0.2	0.3	0.25	0.057735
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			19.9	22.2	21	21.7	4	0	19.9	22.2	21.2	0.9966611
Silica	mg/L			7.3	8.2	7.8	3.4	4	0	3.4	8.2	6.675	2.214159
Sodium, Dissolved	mg/L			152 d	192 d	162 d	197 d	4	0	152	197	175.75	22.12653
Sulfate, Total	mg/L		250	1160 d	1040 d	1080 d	1020 d	4	0	1020	1160	1075	61.913919
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.001	0.001	<0.001	4	1	<0.001	0.001	0.000875	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.25	0.28	0.06	4	1	<0.03	0.28	0.15125	0.13319
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.39	0.37	0.38	0.41	4	0	0.37	0.41	0.3875	0.0170783
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.001	<0.001	0.001	<0.001	4	2	<0.001	0.001	0.00075	0.0002887
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0007	0.0006	0.0006	0.0005	4	0	0.0005	0.0007	0.0006	8.165E-05
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.004 d	2	0	0.001	0.004	0.0025	0.0021213
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	1.25	1.32	2	0	1.25	1.32	1.285	0.0494975
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.37	0.4	2	0	0.37	0.4	0.385	0.0212132
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	6.6	7.7	2	0	6.6	7.7	7.15	0.7778175
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0005	0.0006	2	0	0.0005	0.0006	0.00055	7.071E-05

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				7002	7002	7002	7002	Summary Statistics for Hydro ID 7002					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 5:48:00 PM	11/12/2007 8:10:00 AM	2/20/2008 8:30:00 AM	5/29/2008 10:44:00 AM						
Lab ID				R07100002 -008	R07110146 -001	R08020220 -001	R08050419 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		45.6	39.8	91.4	29.5	4	0	29.5	91.4	51.575	27.372051
Gross Beta, Dissolved	pCi/L			29.7	34.1	41.4	28.4	4	0	28.4	41.4	33.4	5.864583
Gross Gamma, Dissolved	pCi/L			1200	1600	370	0 j	4	0	0	1600	792.5	735.90647
Lead 210, Dissolved	pCi/L			<1	<1	13	-0.6 j	4	2	<1	13	3.35	6.4541976
Polonium 210, Dissolved	pCi/L			1.3	4.1	<1	0.1 j	4	1	<1	4.1	1.5	1.8036999
Radium 226, Dissolved	pCi/L	5		8.5	8.1	8.8	8	4	0	8	8.8	8.35	0.3696846
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	7.9	-1.1 j	4	2	<1	7.9	1.95	4.0377386
Polonium 210, Suspended	pCi/L			<1	<1	<1	0.2 j	4	3	<1	0.2	0.425	0.15
Radium 226, Suspended	pCi/L	5		<0.2	<0.2	<0.9	0 j	4	3	<0.2	0	0.1625	0.1973787
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		6.3	NM	NM	NM	1	0	6.3	6.3	6.3	---
Radon 222, Total	pCi/L			NM	938	752	1270	3	0	752	1270	986.66667	262.40681
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.65	2.47	-5.62	7.56	4	0	-5.62	7.56	-0.06	6.230222
Anions	meq/l			26.3	26.9	28	26.5	4	0	26.3	28	26.925	0.7588368
Cations	meq/l			23.9	28.2	25	30.9	4	0	23.9	30.9	27	3.1759513
Solids, Total Dissolved Calculated	mg/L			1620	1750	1750	1780	4	0	1620	1780	1725	71.414284
TDS Balance (0.80 - 1.20)	dec. %			1.19	1.09	1.07	1.03	4	0	1.03	1.19	1.095	0.0680686

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard