POWERTECH (USA) INC.

APPENDIX 2.7-G

GROUNDWATER QUALITY DATA

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #2				
Analyte	9/26/2007 12:46	11/12/2007 9:25	2/12/2008 10:21	5/30/2008 15:21
A/C Balance (± 5) (%)	-2.46	0.663	-3.82	3.25
Alkalinity-Total as CaCO3 (mg/L)	214	208	208	212
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	0.4	0.4	0.3
Anions (meq/L)	16.7	16.5	17.8	16.6
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			0.001	0.004
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	261	254	254	258
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.1
Boron-Total (mg/L)			<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005
Calcium-Dissolved (mg/L)	48.5	51.7	54	57.8
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	15.9	16.7	16.5	17.7
Chloride (mg/L)	10	11	11	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1570	1500	1580	1670
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.2	0.2	0.3	0.3
Gross Alpha-Dissolved (pCi/L)	1.4	8.7	6.7	8.2
Gross Beta-Dissolved (pCi/L)	9.3	12.4	22.1	10.3
Gross Gamma-Dissolved (pCi/L)	<20	260	<20	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)			1.48	1.54
Lead 210-Dissolved (pCi/L)	<1	<1	<1	3.1
Lead 210-Suspended (pCi/L)	<1	<1	<1	1.4
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.05	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001
Magnesium-Dissolved (mg/L)	15.8	16.6	17.6	19
Manganese-Dissolved (mg/L)	0.08	0.08	0.09	0.08
Manganese-Total (mg/L)			0.09	0.09
Mercury-Dissolved (mg/L)	<0.0002	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05

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Well #2				
Analyte	9/26/2007 12:46	11/12/2007 9:25	2/12/2008 10:21	5/30/2008 15:21
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		140	190	190
pH	7.91	7.85	7.93	7.92
Polonium 210-Dissolved (pCi/L)	<1	2	2.1	0.1
Polonium 210-Suspended (pCi/L)	<1	<1	<1	
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	11.5	11.4	11.5	11
Radium 226-Dissolved (pCi/L)	<0.2	1.3	1.1	2.1
Radium 226-Suspended (pCi/L)	2.2	<0.2	<0.2	0.2
Radium 226-Total (pCi/L)	2.2			
Radon 222-Total (pCi/L)		674	792	727
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	8	8.1	8.7	4.3
Silver-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		8.8	8.3	8.7
Sodium-Dissolved (mg/L)	273	286	276	297
Solids-Total Dissolved Calculated (mg/L)	1070	1090	1160	1110
Solids-Total Dissolved TDS @ 180 C (mg/L)	1100	1100	1100	1100
Strontium-Total (mg.L)			1.7	1.8
Sulfate (mg/L)	583	577	639	579
TDS Balance (0.80 - 1.20) (dec.%)	1	0.97	0.94	0.96
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	<0.2	0.1
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.001	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.0004		<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #2								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.59	3.18	-2.8	-0.90	1.31	-3.82	3.25	4
Alkalinity-Total as CaCO3 (mg/L)	210.5	3	208	210	212.5	208	214	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.29	0.17	0.24	0.35	0.4	0.05	0.4	4
Anions (meq/L)	16.9	0.6	16.6	16.65	17.0	16.5	17.8	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.0025	0.002	0.00175	0.0025	0.00325	0.001	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	2
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	256.8	3.4	254	256	258.8	254	261	4
Boron-Dissolved (mg/L)	0.063	0.025	0.05	0.05	0.063	0.05	0.1	4
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.003	0.00125	0.0025	0.0025	0.003	0.0025	0.005	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	2
Calcium-Dissolved (mg/L)	53	3.9	50.9	52.9	55.0	48.5	57.8	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cations (meq/L)	16.7	0.75	16.35	16.6	16.95	15.9	17.7	4
Chloride (mg/L)	10.25	0.96	9.75	10.5	11	9	11	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1580	69.8	1552.5	1575	1602.5	1500	1670	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	2
Fluoride (mg/L)	0.25	0.06	0.2	0.25	0.3	0.2	0.3	4
Gross Alpha-Dissolved (pCi/L)	6.3	3.3	5.4	7.5	8.3	1.4	8.7	4
Gross Beta-Dissolved (pCi/L)	13.5	5.9	10.1	11.4	14.8	9.3	22.1	4
Gross Gamma-Dissolved (pCi/L)	93	144	10	10	135	10	260	3
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	1.51	0.04	1.50	1.51	1.53	1.48	1.54	2
Lead 210-Dissolved (pCi/L)	1.15	1.3	0.5	0.5	1.15	0.5	3.1	4
Lead 210-Suspended (pCi/L)	0.725	0.45	0.5	0.5	0.725	0.5	1.4	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Lead-Dissolved (mg/L)	0.0066	0.0123	0.0005	0.0005	0.0066	0.0005	0.025	4
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	2
Magnesium-Dissolved (mg/L)	17.25	1.4	16.4	17.1	18.0	15.8	19	4
Manganese-Dissolved (mg/L)	0.0825	0.005	0.08	0.08	0.0825	0.08	0.09	4
Manganese-Total (mg/L)	0.09		0.09	0.09	0.09	0.09	0.09	2
Mercury-Dissolved (mg/L)	0.0004	0.0002	0.0004	0.0005	0.0005	0.0001	0.0005	4
Mercury-Total (mg/L)	0.00039	0.00023	0.00039	0.0005	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	173.3	28.9	165	190	190	140	190	3
pH	7.90	0.04	7.90	7.92	7.92	7.85	7.93	4
Polonium 210-Dissolved (pCi/L)	1.18	1.02	0.4	1.25	2.03	0.1	2.1	4
Polonium 210-Suspended (pCi/L)	0.5		0.5	0.5	0.5	0.5	0.5	3
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	11.35	0.24	11.3	11.45	11.5	11	11.5	4

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Appendix 2.7-G - Groundwater Quality Data

Well #2								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Radium 226-Dissolved (pCi/L)	1.15	0.82	0.85	1.2	1.5	0.1	2.1	4
Radium 226-Suspended (pCi/L)	0.65	1.03	0.1	0.15	0.7	0.1	2.2	4
Radium 226-Total (pCi/L)	2.2			2.2		2.2	2.2	1
Radon 222-Total (pCi/L)	731	59.1	700.5	727	759.5	674	792	3
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	7.28	2.01	7.08	8.05	8.25	4.30	8.70	4
Silver-Dissolved (mg/L)	0.0031	0.0013	0.0025	0.0025	0.003125	0.0025	0.005	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	2
Sodium Adsorption Ratio (SAR) (meq/L)	8.6	0.26	8.5	8.7	8.75	8.3	8.8	3
Sodium-Dissolved (mg/L)	283	10.9	275.3	281	288.8	273	297	4
Solids-Total Dissolved Calculated (mg/L)	1107.5	38.6	1085	1100	1122.5	1070	1160	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	1100		1100	1100	1100	1100	1100	4
Strontium-Total (mg.L)	1.75	0.07	1.73	1.75	1.78	1.7	1.8	2
Sulfate (mg/L)	594.5	29.8	578.5	581	597	577	639	4
TDS Balance (0.80 - 1.20) (dec.%)	0.97	0.025	0.96	0.97	0.98	0.94	1	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.1	1.7E-17	0.1	0.1	0.1	0.1	0.1	3
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.002	0.001	0.002	0.0025	0.0025	0.0005	0.0025	4
Uranium-Dissolved (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Suspended (mg/L)	0.00019	0.00008	0.00015	0.00015	0.0001875	0.00015	0.0003	4
Uranium-Total (mg/L)	0.0002	0.0001	0.00015	0.00015	0.000275	0.00015	0.0004	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	2

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Appendix 2.7-G - Groundwater Quality Data

Well #7				
Analyte	10/3/2006 11:12	9/28/2007 17:28	11/12/2007 8:20	2/20/2008 8:45
A/C Balance (± 5) (%)		-3.73	1.13	-2.5
Actinium 228-Dissolved (pCi/L)	<20			
Alkalinity-Total as CaCO3 (mg/L)	170	176	170	170
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20			
Ammonia (mg/L)	0.4	0.3	0.4	0.3
Anions (meq/L)		14.1	15.6	15.9
Antimony-Total (mg/L)				<0.003
Arsenic-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)				<0.001
Barium 133-Dissolved (pCi/L)	<20			
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1
Beryllium-Total (mg/L)				<0.001
Bicarbonate as HCO3 (mg/L)	210	215	207	207
Bismuth 212-Dissolved (pCi/L)	<20			
Bismuth 214-Dissolved (pCi/L)	300			
Bismuth precision (±) (pCi/L)	18			
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)				<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005
Calcium-Dissolved (mg/L)	37	30	36	32.9
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)		13	15.9	15.1
Cesium 134-Dissolved (pCi/L)	<20			
Cesium 137-Dissolved (pCi/L)	<20			
Chloride (mg/L)	13	12	12	11
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05
Cobalt 60-Dissolved (pCi/L)	<20			
Conductivity @ 25 C (umhos/cm)	1530	1490	1440	1600
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01
Fluoride (mg/L)	0.37	0.3	0.4	0.3
Gross Alpha precision (±) (pCi/L)	0.8			
Gross Alpha-Dissolved (pCi/L)	17	4.4	7.2	15.5
Gross Beta precision (±) (pCi/L)	1.6			
Gross Beta-Dissolved (pCi/L)	16	5	14.9	10.1
Gross Gamma-Dissolved (pCi/L)	<20	1200	130	77
Iodine 125-Dissolved (pCi/L)	<20			
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				0.41
Lead 210-Dissolved (pCi/L)		<1	<1	24
Lead 210-Suspended (pCi/L)		<1	<1	<1

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Well #7				
Analyte	10/3/2006 11:12	9/28/2007 17:28	11/12/2007 8:20	2/20/2008 8:45
Lead 210-Total (pCi/L)		<1		
Lead 212-Dissolved (pCi/L)	<20			
Lead 214 precision (±) (pCi/L)	30			
Lead 214-Dissolved (pCi/L)	350			
Lead-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001
Magnesium-Dissolved (mg/L)	16	11.5	15.3	14
Manganese 54-Dissolved (pCi/L)	<20			
Manganese-Dissolved (mg/L)	0.03	0.03	0.03	0.03
Manganese-Total (mg/L)				0.03
Mercury-Dissolved (mg/L)		<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0002	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)				<0.01
Nickel-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05
Nitrogen, Nitrate as N (mg/L)		<0.1	0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5			
Oxidation-Reduction Potential (mV)			210	180
pH	8.08	8.13	8.05	8.14
Polonium 210-Dissolved (pCi/L)		<1	2.1	<1
Polonium 210-Suspended (pCi/L)		<1	<1	<1
Polonium 210-Total (pCi/L)		<1		
Potassium 40-Dissolved (pCi/L)	<20			
Potassium-Dissolved (mg/L)	10	11	11.1	10.8
Radium 223-Dissolved (pCi/L)	<20			
Radium 224-Dissolved (pCi/L)	<20			
Radium 226 precision (±) (pCi/L)	0.6			
Radium 226-Dissolved (pCi/L)	2.6	0.6	1.1	0.7
Radium 226-Suspended (pCi/L)		<0.2	<0.2	<0.9
Radium 226-Total (pCi/L)		<0.2		
Radium 228-Dissolved (pCi/L)	<1			
Radon 222-Total (pCi/L)			206	242
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001
Selenium-Total (mg/L)				<0.001
Selenium-VI-Dissolved (mg/L)			<0.001	<0.001
Silica-Dissolved (mg/L)	7	7.5	7.8	7.5
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005
Sodium Adsorption Ratio (SAR) (meq/L)			10	10
Sodium-Dissolved (mg/L)	270	237	289	276
Solids-Total Dissolved Calculated (mg/L)		896	1040	1050
Solids-Total Dissolved TDS @ 180 C (mg/L)	1000	1000	1000	990

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Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #7				
Analyte	10/3/2006 11:12	9/28/2007 17:28	11/12/2007 8:20	2/20/2008 8:45
Strontium-Total (mg.L)				1
Sulfate (mg/L)	546	586	567	583
TDS Balance (0.80 - 1.20) (dec.%)		1.16	0.98	0.94
Thallium 208-Dissolved (pCi/L)	<20			
Thallium-Total (mg/L)				<0.001
Thorium 228-Dissolved (pCi/L)	<20			
Thorium 230-Dissolved (pCi/L)		<0.2	<0.2	<0.2
Thorium 230-Suspended (pCi/L)		<0.2	<0.2	0.2
Thorium 230-Total (pCi/L)		<0.2		
Thorium 232-Dissolved (pCi/L)		<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20			
Uranium 238-Dissolved (pCi/L)	<20			
Uranium-Dissolved (mg/L)	<0.001	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)		<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)				<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	48			
Zinc 65-Dissolved (pCi/L)	<20			
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)				<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #7								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
A/C Balance (± 5) (%)	0.7525	5.321243	-3.4225	-0.685	6.365	-3.73	8.11	4
Alkalinity-Total as CaCO3 (mg/L)	171.5	3	170	170	174.5	170	176	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.325	0.05	0.3	0.3	0.375	0.3	0.4	4
Anions (meq/L)	15	0.883176	14.175	15	15.825	14.1	15.9	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.00175	0.001768		0.00175		0.0005	0.003	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	209	4	207	207	213	207	215	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	35.25	5.182342	30.725	34.45	40.575	30	42.1	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	15.25	1.690168	13.525	15.5	16.725	13	17	4
Chloride (mg/L)	11.5	0.57735	11	11.5	12	11	12	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1545	96.78154	1452.5	1545	1637.5	1440	1650	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.35	0.057735	0.3	0.35	0.4	0.3	0.4	4
Gross Alpha-Dissolved (pCi/L)	7.6	5.516641	3.575	5.8	13.425	3.3	15.5	4
Gross Beta-Dissolved (pCi/L)	9.9	4.047221	6.15	9.85	13.7	5	14.9	4
Gross Gamma-Dissolved (pCi/L)	351.75	568.0131	19.25	103.5	932.5		1200	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.41			0.41		0.41	0.41	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	6.375	11.75	0.5	0.5	18.125	0.5	24	4
Lead 210-Suspended (pCi/L)	-1.475	3.95	-5.425	0.5	0.5	-7.4	0.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	14.75	2.788668	12.125	14.65	17.475	11.5	18.2	4
Manganese-Dissolved (mg/L)	0.03		0.03	0.03	0.03	0.03	0.03	4
Manganese-Total (mg/L)	0.03			0.03		0.03	0.03	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00024	0.000238	0.00005	0.0001	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	200	17.32051	180	210	210	180	210	3
pH	8.1225	0.051235	8.07	8.135	8.1625	8.05	8.17	4

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Appendix 2.7-G - Groundwater Quality Data

Well #7								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Polonium 210-Dissolved (pCi/L)	0.775	0.914239	0.125	0.5	1.7		2.1	4
Polonium 210-Suspended (pCi/L)	0.35	0.3	0.05	0.5	0.5	-0.1	0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	10.975	0.125831	10.85	11	11.075	10.8	11.1	4
Radium 226-Dissolved (pCi/L)	0.825	0.221736	0.625	0.8	1.05	0.6	1.1	4
Radium 226-Suspended (pCi/L)	0.0875	0.306526	-0.2	0.1	0.3625	-0.3	0.45	4
Radium 226-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	299.6667	132.2888	206	242	451	206	451	3
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.725	1.755705	4.95	7.5	7.725	4.1	7.8	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	275.5	27.47726	246.75	282.5	297.25	237	300	4
Sodium Adsorption Ratio (SAR) (meq/L)	9.9	0.173205	9.7	10	10	9.7	10	3
Solids-Total Dissolved Calculated (mg/L)	999	70.73896	924.5	1025	1047.5	896	1050	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	987.5	18.92969	967.5	995	1000	960	1000	4
Strontium-Total (mg.L)	1.05	0.070711		1.05		1	1.1	2
Sulfate (mg/L)	562.5	33.39162	527.25	575	585.25	514	586	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0075	0.103078	0.9425	0.965	1.115	0.94	1.16	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	0.15	0.057735	0.1	0.15	0.2	0.1	0.2	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.00015			0.00015		0.00015	0.00015	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

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Appendix 2.7-G - Groundwater Quality Data

Well #8					
Analyte	9/26/2007 14:33	11/27/2007 16:30	11/27/2007 16:40	2/5/2008 10:20	5/29/2008 11:41
A/C Balance (± 5) (%)	-2.44	-3.23	-4.83	5.03	5.33
Alkalinity-Total as CaCO3 (mg/L)	168	178	156	166	164
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	0.2	0.3	0.3	0.2
Anions (meq/L)	15	14.8	15.4	13.1	14.3
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001	0.001
Arsenic-Total (mg/L)				<0.001	0.003
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	205	217	190	202	200
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.005
Calcium-Dissolved (mg/L)	48.5	56.4	55.1	52.6	58.9
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	14.3	13.9	13.9	14.5	15.9
Chloride (mg/L)	13	12	12	12	11
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1420	1420	1420	1430	1560
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.4	0.4	0.4	0.5	0.4
Gross Alpha-Dissolved (pCi/L)	5	8.7	9	5.4	3.2
Gross Beta-Dissolved (pCi/L)	15.9	25	29.1	21	16.2
Gross Gamma-Dissolved (pCi/L)	650	970	1200	<20	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				0.21	0.23
Lead 210-Dissolved (pCi/L)	<1	4	<1	3	0.8
Lead 210-Suspended (pCi/L)	<1	<1	<1	1.9	4.9
Lead 210-Total (pCi/L)	<1				
Lead-Dissolved (mg/L)	<0.05	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001	<0.001
Magnesium-Dissolved (mg/L)	21.2	24.6	24.5	22.6	26.3
Manganese-Dissolved (mg/L)	0.08	0.11	0.11	0.08	0.09
Manganese-Total (mg/L)				0.08	0.09
Mercury-Dissolved (mg/L)	<0.0002	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)				<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		150	150	220	210

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Appendix 2.7-G - Groundwater Quality Data

Well #8					
Analyte	9/26/2007 14:33	11/27/2007 16:30	11/27/2007 16:40	2/5/2008 10:20	5/29/2008 11:41
pH	7.93	7.95	7.94	7.94	7.97
Polonium 210-Dissolved (pCi/L)	<1	<1	<1	1.6	-0.2
Polonium 210-Suspended (pCi/L)	<1	<1	<1	<1	-0.1
Polonium 210-Total (pCi/L)	<1				
Potassium-Dissolved (mg/L)	14.2	15.7	15.2	14.7	13.7
Radium 226-Dissolved (pCi/L)	<0.2	2.7	1.9	1.5	1.2
Radium 226-Suspended (pCi/L)	3.5	<0.2	<0.2	2.8	-0.4
Radium 226-Total (pCi/L)	3.5				
Radon 222-Total (pCi/L)		123	197	329	514
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	0.002	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)				<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	0.001	<0.001
Silica-Dissolved (mg/L)	6.9	6.7	6.6	7.3	3.5
Silver-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		5.6	5.7	6.4	6.5
Sodium-Dissolved (mg/L)	224	199	201	222	240
Solids-Total Dissolved Calculated (mg/L)	962	939	973	879	973
Solids-Total Dissolved TDS @ 180 C (mg/L)	960	1000	1100	1000	940
Strontium-Total (mg.L)				1.6	1.6
Sulfate (mg/L)	540	594	570	455	514
TDS Balance (0.80 - 1.20) (dec.%)	1	1.12	1.09	1.15	0.97
Thallium-Total (mg/L)				<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	<0.2	0.1
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	<0.2	<0.2	
Thorium 230-Total (pCi/L)	<0.2				
Thorium 232-Dissolved (pCi/L)	<0.001	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	<0.0003			<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	0.1
Zinc-Dissolved (mg/L)	<0.01	0.02	0.01	0.02	<0.01
Zinc-Total (mg/L)				<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #8								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.028	4.832734	-4.03	-2.44	5.18	-4.83	5.33	5
Alkalinity-Total as CaCO3 (mg/L)	166.4	7.924645	160	166	173	156	178	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.21	0.10247	0.125	0.2	0.3	0.05	0.3	5
Anions (meq/L)	14.52	0.88713	13.7	14.8	15.2	13.1	15.4	5
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0007	0.000274	0.0005	0.0005	0.001	0.0005	0.001	5
Arsenic-Total (mg/L)	0.00175	0.001768		0.00175		0.0005	0.003	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	202.8	9.731393	195	202	211	190	217	5
Boron-Dissolved (mg/L)	0.06	0.022361	0.05	0.05	0.075	0.05	0.1	5
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.003	0.001118	0.0025	0.0025	0.00375	0.0025	0.005	5
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	54.3	3.960429	50.55	55.1	57.65	48.5	58.9	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	14.5	0.824621	13.9	14.3	15.2	13.9	15.9	5
Chloride (mg/L)	12	0.707107	11.5	12	12.5	11	13	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1450	61.64414	1420	1420	1495	1420	1560	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.42	0.044721	0.4	0.4	0.45	0.4	0.5	5
Gross Alpha-Dissolved (pCi/L)	6.26	2.507588	4.1	5.4	8.85	3.2	9	5
Gross Beta-Dissolved (pCi/L)	21.44	5.69412	16.05	21	27.05	15.9	29.1	5
Gross Gamma-Dissolved (pCi/L)	566	548.115	5	650	1085		1200	5
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	5
Iron-Total (mg/L)	0.22	0.014142		0.22		0.21	0.23	2
Lead-Dissolved (mg/L)	0.0054	0.010957	0.0005	0.0005	0.01275	0.0005	0.025	5
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	1.76	1.63187	0.5	0.8	3.5	0.5	4	5
Lead 210-Suspended (pCi/L)	1.66	1.909974	0.5	0.5	3.4	0.5	4.9	5
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	23.84	1.973069	21.9	24.5	25.45	21.2	26.3	5
Manganese-Dissolved (mg/L)	0.094	0.015166	0.08	0.09	0.11	0.08	0.11	5
Manganese-Total (mg/L)	0.085	0.007071		0.085		0.08	0.09	2
Mercury-Dissolved (mg/L)	0.00042	0.000179	0.0003	0.0005	0.0005	0.0001	0.0005	5
Mercury-Total (mg/L)	0.00035	0.000232	0.00005	0.0005	0.0005	0.00005	0.0005	6
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Oxidation-Reduction Potential (mV)	182.5	37.74917	150	180	217.5	150	220	4
pH	7.946	0.015166	7.935	7.94	7.96	7.93	7.97	5

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Appendix 2.7-G - Groundwater Quality Data

Well #8								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Polonium 210-Dissolved (pCi/L)	0.58	0.645755	0.15	0.5	1.05	-0.2	1.6	5
Polonium 210-Suspended (pCi/L)	0.38	0.268328	0.2	0.5	0.5	-0.1	0.5	5
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	14.7	0.790569	13.95	14.7	15.45	13.7	15.7	5
Radium 226-Dissolved (pCi/L)	1.48	0.954987	0.65	1.5	2.3	0.1	2.7	5
Radium 226-Suspended (pCi/L)	1.22	1.79081	-0.15	0.1	3.15	-0.4	3.5	5
Radium 226-Total (pCi/L)	3.5			3.5		3.5	3.5	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	290.75	171.4961	141.5	263	467.75	123	514	4
Selenium-Dissolved (mg/L)	0.0008	0.000671	0.0005	0.0005	0.00125	0.0005	0.002	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Silica-Dissolved (mg/L)	6.2	1.532971	5.05	6.7	7.1	3.5	7.3	5
Silver-Dissolved (mg/L)	0.003	0.001118	0.0025	0.0025	0.00375	0.0025	0.005	5
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	217.2	17.19593	200	222	232	199	240	5
Sodium Adsorption Ratio (SAR) (meq/L)	6.05	0.465475	5.625	6.05	6.475	5.6	6.5	4
Solids-Total Dissolved Calculated (mg/L)	945.2	39.52468	909	962	973	879	973	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	1000	61.64414	950	1000	1050	940	1100	5
Strontium-Total (mg.L)	1.6			1.6		1.6	1.6	2
Sulfate (mg/L)	534.6	53.78476	484.5	540	582	455	594	5
TDS Balance (0.80 - 1.20) (dec.%)	1.066	0.077653	0.985	1.09	1.135	0.97	1.15	5
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	5
Thorium 230-Suspended (pCi/L)	0.08	0.044721	0.05	0.1	0.1		0.1	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0021	0.000894	0.0015	0.0025	0.0025	0.0005	0.0025	5
Uranium-Dissolved (mg/L)	0.00018	0.0000671	0.00015	0.00015	0.000225	0.00015	0.0003	5
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	5
Uranium-Total (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	3
Vanadium-Dissolved (mg/L)	0.06	0.022361	0.05	0.05	0.075	0.05	0.1	5
Zinc-Dissolved (mg/L)	0.012	0.007583	0.005	0.01	0.02	0.005	0.02	5
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #13					
Analyte	**10/3/2006 11:36**	**9/27/2007 15:45**	**11/12/2007 12:15**	**2/20/2008 14:41**	**5/19/2008 12:20**
A/C Balance (± 5) (%)		-1.26	-3.53	-4.96	6.97
Actinium 228-Dissolved (pCi/L)	<20				
Alkalinity-Total as CaCO3 (mg/L)	170	168	142	160	156
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20				
Ammonia (mg/L)	0.2	0.6	0.1	<0.1	<0.1
Anions (meq/L)		12.3	14	13.9	12.6
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)				<0.001	0.001
Barium 133-Dissolved (pCi/L)	<20				
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	200	205	173	195	190
Bismuth 212-Dissolved (pCi/L)	<20				
Bismuth 214-Dissolved (pCi/L)	<20				
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.001
Calcium-Dissolved (mg/L)	61	57.4	61.3	58	72.4
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)		12	13.1	12.6	14.5
Cesium 134-Dissolved (pCi/L)	<20				
Cesium 137-Dissolved (pCi/L)	<20				
Chloride (mg/L)	11	11	11	10	10
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Cobalt 60-Dissolved (pCi/L)	<20				
Conductivity @ 25 C (umhos/cm)	1290	1280	1140	1330	1420
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.43	0.4	0.4	0.5	0.5
Gross Alpha precision (±) (pCi/L)	0.7				
Gross Alpha-Dissolved (pCi/L)	12	8.9	7.5	19.5	4.2
Gross Beta precision (±) (pCi/L)	1.7				
Gross Beta-Dissolved (pCi/L)	17	9.6	11.7	11.4	10.3
Gross Gamma-Dissolved (pCi/L)	<20	<20	4300	<20	
Iodine 125-Dissolved (pCi/L)	<20				
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				3.11	4.56
Lead 210-Dissolved (pCi/L)		<1	<1	4.7	4.1
Lead 210-Suspended (pCi/L)		<1	<1	<1	-0.2
Lead 210-Total (pCi/L)		<1			
Lead 212-Dissolved (pCi/L)	<20				
Lead 214-Dissolved (pCi/L)	<20				
Lead-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001	<0.001
Magnesium-Dissolved (mg/L)	22	21	25.1	22.4	29.5
Manganese 54-Dissolved (pCi/L)	<20				
Manganese-Dissolved (mg/L)	0.11	0.1	0.2	0.16	0.2
Manganese-Total (mg/L)				0.16	0.2
Mercury-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)				<0.01	<0.01
Nickel-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05	<0.05

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #13					
Analyte	**10/3/2006 11:36**	**9/27/2007 15:45**	**11/12/2007 12:15**	**2/20/2008 14:41**	**5/19/2008 12:20**
Nitrogen, Nitrate as N (mg/L)		<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5				
Oxidation-Reduction Potential (mV)			230	200	260
pH	7.93	7.83	7.75	8.05	7.96
Polonium 210-Dissolved (pCi/L)		<1	2.6	1.1	-0.6
Polonium 210-Suspended (pCi/L)		5.2	<1	<1	
Polonium 210-Total (pCi/L)		5.2			
Potassium 40-Dissolved (pCi/L)	<20				
Potassium-Dissolved (mg/L)	9	11.3	11.7	11.8	11.5
Radium 223-Dissolved (pCi/L)	<20				
Radium 224-Dissolved (pCi/L)	<20				
Radium 226 precision (±) (pCi/L)	0.5				
Radium 226-Dissolved (pCi/L)	2.1	1.8	1.6	1.1	1.6
Radium 226-Suspended (pCi/L)		<0.2	<0.2	1.6	0.01
Radium 226-Total (pCi/L)		1.1			
Radium 228-Dissolved (pCi/L)	<1				
Radon 222 precision (±) (pCi/L)	63.2				
Radon 222-Total (pCi/L)	335		305	258	412
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.001	<0.005
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001	<0.001
Selenium-Total (mg/L)				<0.001	<0.001
Selenium-VI-Dissolved (mg/L)			<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7	7.7	6.2	6.5	3.6
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)			4.7	4.9	4.7
Sodium-Dissolved (mg/L)	180	163	175	173	188
Solids-Total Dissolved Calculated (mg/L)		781	898	888	857
Solids-Total Dissolved TDS @ 180 C (mg/L)	880	890	890	850	880
Strontium-Total (mg.L)				1.5	1.7
Sulfate (mg/L)	460	488	520	499	442
TDS Balance (0.80 - 1.20) (dec.%)		1.14	0.99	0.96	1.02
Thallium 208-Dissolved (pCi/L)	<20				
Thallium-Total (mg/L)				<0.001	<0.001
Thorium 228-Dissolved (pCi/L)	<20				
Thorium 230-Dissolved (pCi/L)		0.4	<0.2	<0.2	
Thorium 230-Suspended (pCi/L)		<0.2	<0.2	0.4	0.2
Thorium 230-Total (pCi/L)		<0.2			
Thorium 232-Dissolved (pCi/L)		<0.005	<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20				
Uranium 238-Dissolved (pCi/L)	<20				
Uranium-Dissolved (mg/L)	<0.001	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)		<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)				<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	51				
Zinc 65-Dissolved (pCi/L)	<20				
Zinc-Dissolved (mg/L)	<0.01	<0.01	0.04	<0.01	0.01
Zinc-Total (mg/L)				0.07	0.04

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Appendix 2.7-G - Groundwater Quality Data

Well #13								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.695	5.332257	-4.6025	-2.395	4.9125	-4.96	6.97	4
Alkalinity-Total as CaCO3 (mg/L)	156.5	10.87811	145.5	158	166	142	168	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.2	0.267706	0.05	0.075	0.475	0.05	0.6	4
Anions (meq/L)	13.2	0.875595	12.375	13.25	13.975	12.3	14	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.00075	0.000354		0.00075		0.0005	0.001	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	190.75	13.37597	177.25	192.5	202.5	173	205	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0015	0.001414		0.0015		0.0005	0.0025	2
Calcium-Dissolved (mg/L)	62.275	6.964374	57.55	59.65	69.625	57.4	72.4	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	13.05	1.066146	12.15	12.85	14.15	12	14.5	4
Chloride (mg/L)	10.5	0.57735	10	10.5	11	10	11	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1292.5	117.0114	1175	1305	1397.5	1140	1420	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.45	0.057735	0.4	0.45	0.5	0.4	0.5	4
Gross Alpha-Dissolved (pCi/L)	10.025	6.616835	5.025	8.2	16.85	4.2	19.5	4
Gross Beta-Dissolved (pCi/L)	10.75	0.974679	9.775	10.85	11.625	9.6	11.7	4
Gross Gamma-Dissolved (pCi/L)	1080	2146.672	2.5	10	3227.5		4300	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	3.835	1.025305		3.835		3.11	4.56	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	2.45	2.26495	0.5	2.3	4.55	0.5	4.7	4
Lead 210-Suspended (pCi/L)	0.325	0.35	-0.025	0.5	0.5	-0.2	0.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	24.5	3.742548	21.35	23.75	28.4	21	29.5	4
Manganese-Dissolved (mg/L)	0.165	0.047258	0.115	0.18	0.2	0.1	0.2	4
Manganese-Total (mg/L)	0.18	0.028284		0.18		0.16	0.2	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000288	0.000246	0.0000625	0.0003	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.005			0.005		0.005	0.005	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	230	30	200	230	260	200	260	3
pH	7.8975	0.13351	7.77	7.895	8.0275	7.75	8.05	4

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #13								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Polonium 210-Dissolved (pCi/L)	0.9	1.334166	-0.325	0.8	2.225	-0.6	2.6	4
Polonium 210-Suspended (pCi/L)	1.55	2.444722	0.125	0.5	4.025		5.2	4
Polonium 210-Total (pCi/L)	5.2			5.2		5.2	5.2	1
Potassium-Dissolved (mg/L)	11.575	0.221736	11.35	11.6	11.775	11.3	11.8	4
Radium 226-Dissolved (pCi/L)	1.525	0.298608	1.225	1.6	1.75	1.1	1.8	4
Radium 226-Suspended (pCi/L)	0.4525	0.766176	0.0325	0.1	1.225	0.01	1.6	4
Radium 226-Total (pCi/L)	1.1			1.1		1.1	1.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	325	78.92401	258	305	412	258	412	3
Selenium-Dissolved (mg/L)	0.001	0.001	0.0005	0.0005	0.002	0.0005	0.0025	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6	1.726268	4.25	6.35	7.4	3.6	7.7	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	174.75	10.27538	165.5	174	184.75	163	188	4
Sodium Adsorption Ratio (SAR) (meq/L)	4.766667	0.11547	4.7	4.7	4.9	4.7	4.9	3
Solids-Total Dissolved Calculated (mg/L)	856	52.9591	800	872.5	895.5	781	898	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	877.5	18.92969	857.5	885	890	850	890	4
Strontium-Total (mg.L)	1.6	0.141421		1.6		1.5	1.7	2
Sulfate (mg/L)	487.25	32.95831	453.5	493.5	514.75	442	520	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0275	0.078899	0.9675	1.005	1.11	0.96	1.14	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.15	0.173205	0.025	0.1	0.325		0.4	4
Thorium 230-Suspended (pCi/L)	0.2	0.141421	0.1	0.15	0.35	0.1	0.4	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.00015			0.00015		0.00015	0.00015	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.015	0.016833	0.005	0.0075	0.0325	0.005	0.04	4
Zinc-Total (mg/L)	0.055	0.021213		0.055		0.04	0.07	2

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Appendix 2.7-G - Groundwater Quality Data

Well #16					
Analyte	10/3/2006 12:00	9/27/2007 19:18	11/12/2007 16:05	3/30/2008 15:19	6/30/2008 13:45
A/C Balance (± 5) (%)		-2.85	-1.55	-2	4.63
Actinium 228-Dissolved (pCi/L)	<20				
Alkalinity-Total as CaCO3 (mg/L)	160	158	148	148	150
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20				
Ammonia (mg/L)	<0.1	0.4	<0.1	<0.1	<0.1
Anions (meq/L)		11.8	11	12.5	11.5
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.01	0.001	<0.001	<0.001	0.001
Arsenic-Total (mg/L)				0.004	<0.002
Barium 133-Dissolved (pCi/L)	<20				
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	200	193	180	180	183
Bismuth 212-Dissolved (pCi/L)	<20				
Bismuth 214-Dissolved (pCi/L)	770				
Bismuth precision (±) (pCi/L)	35				
Boron-Dissolved (mg/L)	0.12	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.005
Calcium-Dissolved (mg/L)	140	108	103	113	125
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)		11.1	10.7	12	12.6
Cesium 134-Dissolved (pCi/L)	<20				
Cesium 137-Dissolved (pCi/L)	<20				
Chloride (mg/L)	6.2	5	5	5	4
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Cobalt 60-Dissolved (pCi/L)	<20				
Conductivity @ 25 C (umhos/cm)	1260	1080	925	1050	1000
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.37	0.4	0.4	0.4	0.5
Gross Alpha precision (±) (pCi/L)	1.5				
Gross Alpha-Dissolved (pCi/L)	110	62.7	12.2	85.7	28.3
Gross Beta precision (±) (pCi/L)	2				
Gross Beta-Dissolved (pCi/L)	50	33.1	24	47.2	19.3
Gross Gamma precision(±) (pCi/L)	70				
Gross Gamma-Dissolved (pCi/L)	1600	<20	2300	600	760
Iodine 125-Dissolved (pCi/L)	<20				
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				0.25	0.26
Lead 210-Dissolved (pCi/L)		<1	2.2	-27	2
Lead 210-Suspended (pCi/L)		<1	1.2		-0.4
Lead 210-Total (pCi/L)		<1			
Lead 212-Dissolved (pCi/L)	<20				
Lead 214 precision (±) (pCi/L)	35				
Lead 214-Dissolved (pCi/L)	810				
Lead-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001	<0.003
Magnesium-Dissolved (mg/L)	55	40.7	39.4	46.8	47
Manganese 54-Dissolved (pCi/L)	<20				
Manganese-Dissolved (mg/L)	0.19	0.16	<0.01	0.13	0.14
Manganese-Total (mg/L)				0.14	0.13
Mercury-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0002	<0.001	<0.001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1	<0.1

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Appendix 2.7-G - Groundwater Quality Data

Well #16					
Analyte	**10/3/2006 12:00**	**9/27/2007 19:18**	**11/12/2007 16:05**	**3/30/2008 15:19**	**6/30/2008 13:45**
Molybdenum-Total (mg/L)				<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)		<0.1	0.2	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5				
Oxidation-Reduction Potential (mV)			240	200	230
pH	7.44	7.43	7.48	7.57	7.38
Polonium 210-Dissolved (pCi/L)		<1	<1	0.2	
Polonium 210-Suspended (pCi/L)		<1	<1	0.8	
Polonium 210-Total (pCi/L)		<1			
Potassium 40-Dissolved (pCi/L)	<20				
Potassium-Dissolved (mg/L)	16	16.6	16	15.1	16.7
Radium 223-Dissolved (pCi/L)	<20				
Radium 224-Dissolved (pCi/L)	<20				
Radium 226 precision (±) (pCi/L)	2.5				
Radium 226-Dissolved (pCi/L)	33.6	26.2	8.1	15.3	6.4
Radium 226-Suspended (pCi/L)		<0.2	<0.2	1.4	-0.3
Radium 226-Total (pCi/L)		17.4			
Radium 228-Dissolved (pCi/L)	<1				
Radon 222 precision (±) (pCi/L)	252				
Radon 222-Total (pCi/L)	39000		1090	28200	3150
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001	<0.001
Selenium-Total (mg/L)				<0.001	0.002
Selenium-VI-Dissolved (mg/L)			<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7	7.3	6.5	7	3.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)			0.94	0.96	0.93
Sodium-Dissolved (mg/L)	53	44	44.1	48	48
Solids-Total Dissolved Calculated (mg/L)		715	686	786	743
Solids-Total Dissolved TDS @ 180 C (mg/L)	940	810	760	780	780
Strontium-Total (mg.L)				2.7	2.7
Sulfate (mg/L)	522	448	428	449	401
TDS Balance (0.80 - 1.20) (dec.%)		1.14	1.11	0.99	1.04
Thallium 208-Dissolved (pCi/L)	<20				
Thallium-Total (mg/L)				<0.001	<0.001
Thorium 228-Dissolved (pCi/L)	<20				
Thorium 230-Dissolved (pCi/L)		0.3	<0.2	0.2	
Thorium 230-Suspended (pCi/L)		<0.2	<0.2	0.1	
Thorium 230-Total (pCi/L)		<0.2			
Thorium 232-Dissolved (pCi/L)		<0.005	<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20				
Uranium 238-Dissolved (pCi/L)	<20				
Uranium-Dissolved (mg/L)	0.002	0.0021	0.0007	0.0007	<0.0003
Uranium-Suspended (mg/L)		<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)				0.0007	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	52				
Zinc 65-Dissolved (pCi/L)	<20				
Zinc-Dissolved (mg/L)	0.04	0.04	0.06	0.01	0.02
Zinc-Total (mg/L)				0.02	<0.03

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Appendix 2.7-G - Groundwater Quality Data

Well #16								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
A/C Balance (± 5) (%)	-0.4425	3.424358	-2.6375	-1.775	3.085	-2.85	4.63	4
Alkalinity-Total as CaCO3 (mg/L)	151	4.760952	148	149	156	148	158	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.1375	0.175	0.05	0.05	0.3125	0.05	0.4	4
Anions (meq/L)	11.7	0.627163	11.125	11.65	12.325	11	12.5	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.00075	0.000289	0.0005	0.00075	0.001	0.0005	0.001	4
Arsenic-Total (mg/L)	0.0025	0.002121		0.0025		0.001	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	184	6.164414	180	181.5	190.5	180	193	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	112.25	9.429563	104.25	110.5	122	103	125	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	11.6	0.860233	10.8	11.55	12.45	10.7	12.6	4
Chloride (mg/L)	4.75	0.5	4.25	5	5	4	5	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1013.75	67.74646	943.75	1025	1072.5	925	1080	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.425	0.05	0.4	0.4	0.475	0.4	0.5	4
Gross Alpha-Dissolved (pCi/L)	47.225	33.1899	16.225	45.5	79.95	12.2	85.7	4
Gross Beta-Dissolved (pCi/L)	30.9	12.28414	20.475	28.55	43.675	19.3	47.2	4
Gross Gamma-Dissolved (pCi/L)	917.5	976.469	157.5	680	1915	10	2300	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.255	0.007071		0.255		0.25	0.26	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.001	0.000707		0.001		0.0005	0.0015	2
Lead 210-Dissolved (pCi/L)	-5.575	14.30347	-20.125	1.25	2.15	-27	2.2	4
Lead 210-Suspended (pCi/L)	0.325	0.689807	-0.3	0.25	1.025	-0.4	1.2	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	43.475	3.991136	39.725	43.75	46.95	39.4	47	4
Manganese-Dissolved (mg/L)	0.10875	0.070282	0.03625	0.135	0.155	0.005	0.16	4
Manganese-Total (mg/L)	0.135	0.007071		0.135		0.13	0.14	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.0003	0.000231	0.0001	0.0003	0.0005	0.0001	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05			0.05		0.05	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.0875	0.075	0.05	0.05	0.1625	0.05	0.2	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4

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Appendix 2.7-G - Groundwater Quality Data

Well #16								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Oxidation-Reduction Potential (mV)	223.3333	20.81666	200	230	240	200	240	3
pH	7.465	0.081035	7.3925	7.455	7.5475	7.38	7.57	4
Polonium 210-Dissolved (pCi/L)	0.3	0.244949	0.05	0.35	0.5		0.5	4
Polonium 210-Suspended (pCi/L)	0.45	0.331662	0.125	0.5	0.725		0.8	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	16.1	0.734847	15.325	16.3	16.675	15.1	16.7	4
Radium 226-Dissolved (pCi/L)	14	9.001852	6.825	11.7	23.475	6.4	26.2	4
Radium 226-Suspended (pCi/L)	0.325	0.741058	-0.2	0.1	1.075	-0.3	1.4	4
Radium 226-Total (pCi/L)	17.4			17.4		17.4	17.4	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	10813.33	15092.48	1090	3150	28200	1090	28200	3
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.175	1.552149	4.55	6.75	7.225	3.9	7.3	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	46.025	2.280899	44.025	46.05	48	44	48	4
Sodium Adsorption Ratio (SAR) (meq/L)	0.943333	0.015275	0.93	0.94	0.96	0.93	0.96	3
Solids-Total Dissolved Calculated (mg/L)	732.5	42.58717	693.25	729	775.25	686	786	4
Solids-Total Dissolved TDS @ 180 C (mg/L	782.5	20.61553	765	780	802.5	760	810	4
Strontium-Total (mg.L)	2.7			2.7		2.7	2.7	2
Sulfate (mg/L)	431.5	22.51666	407.75	438	448.75	401	449	4
TDS Balance (0.80 - 1.20) (dec.%)	1.07	0.067823	1.0025	1.075	1.1325	0.99	1.14	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.15	0.129099	0.025	0.15	0.275		0.3	4
Thorium 230-Suspended (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.000913	0.000833	0.000288	0.0007	0.00175	0.00015	0.0021	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.000425	0.000389		0.000425		0.00015	0.0007	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.0325	0.022174	0.0125	0.03	0.055	0.01	0.06	4
Zinc-Total (mg/L)	0.0175	0.003536		0.0175		0.015	0.02	2

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Appendix 2.7-G - Groundwater Quality Data

Well #18						
Analyte	**10/3/2006 10:07**	**9/26/2007 10:39**	**11/12/2007 10:15**	**11/12/2007 10:20**	**2/12/2008 11:08**	**5/30/2008 11:12**
A/C Balance (± 5) (%)		0.211	-0.239	-0.843	-1.77	5.45
Actinium 228-Dissolved (pCi/L)	<20					
Alkalinity-Total as CaCO3 (mg/L)	180	184	176	172	180	180
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20					
Ammonia (mg/L)	0.2	0.2	0.2	0.2	0.2	0.1
Anions (meq/L)		14.7	15	15	15.2	14.2
Antimony-Total (mg/L)					<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.01	0.002	0.001	0.001	0.001	0.001
Arsenic-Total (mg/L)					0.002	0.003
Barium 133-Dissolved (pCi/L)	<20					
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)					<0.1	<0.1
Beryllium-Total (mg/L)					<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	220	224	215	210	219	219
Bismuth 212-Dissolved (pCi/L)	<20					
Bismuth 214-Dissolved (pCi/L)	<20					
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)					<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.01	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)					<0.005	<0.005
Calcium-Dissolved (mg/L)	34	31.8	33	32.5	34	38
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5	<5
Cations (meq/L)		14.8	15	14.7	14.7	15.8
Cesium 134-Dissolved (pCi/L)	<20					
Cesium 137-Dissolved (pCi/L)	<20					
Chloride (mg/L)	14	13	13	13	14	12
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)					<0.05	<0.05
Cobalt 60-Dissolved (pCi/L)	<20					
Conductivity @ 25 C (umhos/cm)	1430	1430	1360	1330	1450	1470
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)					<0.01	<0.01
Fluoride (mg/L)	0.38	0.4	0.4	0.4	0.5	0.4
Gross Alpha precision (±) (pCi/L)	1					
Gross Alpha-Dissolved (pCi/L)	37	15.7	18.9	20	31.7	27.5
Gross Beta precision (±) (pCi/L)	1.6					
Gross Beta-Dissolved (pCi/L)	14	6.7	12.1	13	13	4.8
Gross Gamma-Dissolved (pCi/L)	<20	510	370	330	190	
Iodine 125-Dissolved (pCi/L)	<20					
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)					1.04	1.11
Lead 210-Dissolved (pCi/L)		<1	4.6	<1	<1	-1
Lead 210-Suspended (pCi/L)		<1	<1	<1	<1	29.6
Lead 210-Total (pCi/L)		<1				
Lead 212-Dissolved (pCi/L)	<20					
Lead 214-Dissolved (pCi/L)	<20					
Lead-Dissolved (mg/L)	<0.01	<0.05	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)					<0.001	<0.001
Magnesium-Dissolved (mg/L)	12	11.3	11.6	11.4	12.2	13.4
Manganese 54-Dissolved (pCi/L)	<20					
Manganese-Dissolved (mg/L)	0.06	0.06	0.06	0.06	0.07	0.06
Manganese-Total (mg/L)					0.06	0.06
Mercury-Dissolved (mg/L)		<0.0002	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001		<0.001	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)					<0.01	<0.1
Nickel-Dissolved (mg/L)	0.03	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)					<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)		<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5					
Oxidation-Reduction Potential (mV)			80	85	130	200
pH	8.11	8.09	8.02	8.06	8.11	8.1
Polonium 210-Dissolved (pCi/L)		<1	<1	<1	2.2	
Polonium 210-Suspended (pCi/L)		6	<1	<1	<1	1.7

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Appendix 2.7-G - Groundwater Quality Data

Well #18						
Analyte	**10/3/2006 10:07**	**9/26/2007 10:39**	**11/12/2007 10:15**	**11/12/2007 10:20**	**2/12/2008 11:08**	**5/30/2008 11:12**
Polonium 210-Total (pCi/L)		6				
Potassium 40-Dissolved (pCi/L)	<20					
Potassium-Dissolved (mg/L)	7	7.2	7	7	7.3	6.9
Radium 223-Dissolved (pCi/L)	<20					
Radium 224-Dissolved (pCi/L)	<20					
Radium 226 precision (±) (pCi/L)	1.2					
Radium 226-Dissolved (pCi/L)	5.8	<0.2	3.2	3.6	3.2	2.6
Radium 226-Suspended (pCi/L)		4	<0.2	<0.2	1.1	1.1
Radium 226-Total (pCi/L)		4				
Radium 228 precision (±) (pCi/L)	1.2					
Radium 228-Dissolved (pCi/L)	2.3					
Radon 222 precision (±) (pCi/L)	69.3					
Radon 222-Total (pCi/L)	762		945	944	1220	1210
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)					<0.001	<0.001
Selenium-VI-Dissolved (mg/L)			<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7	7.5	7.3	7.3	7.8	4.2
Silver-Dissolved (mg/L)	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)					<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)			11	11	10	10
Sodium-Dissolved (mg/L)	260	278	280	276	270	291
Solids-Total Dissolved Calculated (mg/L)		965	994	988	1000	973
Solids-Total Dissolved TDS @ 180 C (mg/L)	950	990	960	950	960	940
Strontium-Total (mg.L)					0.6	0.7
Sulfate (mg/L)	481	513	534	536	537	492
TDS Balance (0.80 - 1.20) (dec.%)		1.03	0.97	0.97	0.96	0.96
Thallium 208-Dissolved (pCi/L)	<20					
Thallium-Total (mg/L)					<0.001	<0.001
Thorium 228-Dissolved (pCi/L)	<20					
Thorium 230-Dissolved (pCi/L)		<0.2	<0.2	<0.2	0.2	
Thorium 230-Suspended (pCi/L)		<0.2	<0.2	<0.2	<0.2	0.1
Thorium 230-Total (pCi/L)		<0.2				
Thorium 232-Dissolved (pCi/L)		<0.001	<0.005	<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20					
Uranium 238-Dissolved (pCi/L)	<20					
Uranium-Dissolved (mg/L)	0.007	0.0061	0.0066	0.0065	0.0066	0.0059
Uranium-Suspended (mg/L)		0.0017	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)					0.0062	0.0062
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	52					
Zinc 65-Dissolved (pCi/L)	<20					
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)					<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #18								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	0.5618	2.831501	-1.3065	-0.239	2.8305	-1.77	5.45	5
Alkalinity-Total as CaCO3 (mg/L)	178.4	4.560702	174	180	182	172	184	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.18	0.044721	0.15	0.2	0.2	0.1	0.2	5
Anions (meq/L)	14.82	0.389872	14.45	15	15.1	14.2	15.2	5
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0012	0.000447	0.001	0.001	0.0015	0.001	0.002	5
Arsenic-Total (mg/L)	0.0025	0.000707		0.0025		0.002	0.003	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	217.4	5.22494	212.5	219	221.5	210	224	5
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.003	0.001118	0.0025	0.0025	0.00375	0.0025	0.005	5
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	33.86	2.449081	32.15	33	36	31.8	38	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	15	0.463681	14.7	14.8	15.4	14.7	15.8	5
Chloride (mg/L)	13	0.707107	12.5	13	13.5	12	14	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1408	60.16644	1345	1430	1460	1330	1470	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.42	0.044721	0.4	0.4	0.45	0.4	0.5	5
Gross Alpha-Dissolved (pCi/L)	22.76	6.60969	17.3	20	29.6	15.7	31.7	5
Gross Beta-Dissolved (pCi/L)	9.92	3.882911	5.75	12.1	13	4.8	13	5
Gross Gamma-Dissolved (pCi/L)	280	193.6492	95	330	440		510	5
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	5
Iron-Total (mg/L)	1.075	0.049497		1.075		1.04	1.11	2
Lead-Dissolved (mg/L)	0.0054	0.010957	0.0005	0.0005	0.01275	0.0005	0.025	5
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	1.02	2.104044	-0.25	0.5	2.55	-1	4.6	5
Lead 210-Suspended (pCi/L)	6.32	13.01392	0.5	0.5	15.05	0.5	29.6	5
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	11.98	0.867179	11.35	11.6	12.8	11.3	13.4	5
Manganese-Dissolved (mg/L)	0.062	0.004472	0.06	0.06	0.065	0.06	0.07	5
Manganese-Total (mg/L)	0.06			0.06		0.06	0.06	2
Mercury-Dissolved (mg/L)	0.00042	0.000179	0.0003	0.0005	0.0005	0.0001	0.0005	5
Mercury-Total (mg/L)	0.000388	0.000225	0.000163	0.0005	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Oxidation-Reduction Potential (mV)	123.75	55.58402	81.25	107.5	182.5	80	200	4
pH	8.076	0.036469	8.04	8.09	8.105	8.02	8.11	5

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Appendix 2.7-G - Groundwater Quality Data

Well #18								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Polonium 210-Dissolved (pCi/L)	0.74	0.844393	0.25	0.5	1.35		2.2	5
Polonium 210-Suspended (pCi/L)	1.84	2.382855	0.5	0.5	3.85	0.5	6	5
Polonium 210-Total (pCi/L)	6			6		6	6	1
Potassium-Dissolved (mg/L)	7.08	0.164317	6.95	7	7.25	6.9	7.3	5
Radium 226-Dissolved (pCi/L)	2.54	1.409965	1.35	3.2	3.4	0.1	3.6	5
Radium 226-Suspended (pCi/L)	1.28	1.600625	0.1	1.1	2.55	0.1	4	5
Radium 226-Total (pCi/L)	4			4		4	4	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1079.75	156.2271	944.25	1077.5	1217.5	944	1220	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	6.82	1.478851	5.75	7.3	7.65	4.2	7.8	5
Silver-Dissolved (mg/L)	0.003	0.001118	0.0025	0.0025	0.00375	0.0025	0.005	5
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	279	7.681146	273	278	285.5	270	291	5
Sodium Adsorption Ratio (SAR) (meq/L)	10.5	0.57735	10	10.5	11	10	11	4
Solids-Total Dissolved Calculated (mg/L)	984	14.61164	969	988	997	965	1000	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	960	18.70829	945	960	975	940	990	5
Strontium-Total (mg.L)	0.65	0.070711		0.65		0.6	0.7	2
Sulfate (mg/L)	522.4	19.65452	502.5	534	536.5	492	537	5
TDS Balance (0.80 - 1.20) (dec.%)	0.978	0.029496	0.96	0.97	1	0.96	1.03	5
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.1	0.070711	0.05	0.1	0.15		0.2	5
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0021	0.000894	0.0015	0.0025	0.0025	0.0005	0.0025	5
Uranium-Dissolved (mg/L)	0.00634	0.000321	0.006	0.0065	0.0066	0.0059	0.0066	5
Uranium-Suspended (mg/L)	0.00046	0.000693	0.00015	0.00015	0.000925	0.00015	0.0017	5
Uranium-Total (mg/L)	0.0062			0.0062		0.0062	0.0062	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

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Appendix 2.7-G - Groundwater Quality Data

Well #42					
Analyte	**10/3/2006 10:18**	**9/28/2007 11:34**	**11/12/2007 11:20**	**2/5/2008 14:10**	**5/30/2008 11:55**
A/C Balance (± 5) (%)		-1.32	-0.342	3.65	6.08
Actinium 228-Dissolved (pCi/L)	<20				
Alkalinity-Total as CaCO3 (mg/L)	180	180	174	180	176
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20				
Ammonia (mg/L)	0.2	0.1	0.1	0.1	0.1
Anions (meq/L)		13.3	14.7	14.5	13.6
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.01	<0.001	<0.001	0.001	<0.001
Arsenic-Total (mg/L)				0.002	0.004
Barium 133-Dissolved (pCi/L)	<20				
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	220	219	212	219	215
Bismuth 212-Dissolved (pCi/L)	<20				
Bismuth 214-Dissolved (pCi/L)	1600				
Bismuth precision (±) (pCi/L)	64				
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.005
Calcium-Dissolved (mg/L)	35	30	34	35.3	39.4
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)		13	14.6	15.6	15.3
Cesium 134-Dissolved (pCi/L)	<20				
Cesium 137-Dissolved (pCi/L)	<20				
Chloride (mg/L)	14	12	13	12	11
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Cobalt 60-Dissolved (pCi/L)	<20				
Conductivity @ 25 C (umhos/cm)	1410	1390	1310	1420	1510
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.39	0.4	0.4	0.4	0.4
Gross Alpha precision (±) (pCi/L)	3.2				
Gross Alpha-Dissolved (pCi/L)	560	371	375	526	558
Gross Beta precision (±) (pCi/L)	2.7				
Gross Beta-Dissolved (pCi/L)	110	122	173	93.5	159
Gross Gamma precision(±) (pCi/L)	130				
Gross Gamma-Dissolved (pCi/L)	3400	1300	70000	2800	150
Iodine 125-Dissolved (pCi/L)	<20				
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				0.15	0.16
Lead 210-Dissolved (pCi/L)		<1	21	15	17.8
Lead 210-Suspended (pCi/L)		57	<1	17	14
Lead 210-Total (pCi/L)		57			
Lead 212-Dissolved (pCi/L)	<20				
Lead 214 precision (±) (pCi/L)	70				
Lead 214-Dissolved (pCi/L)	1800				
Lead-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001	<0.001
Magnesium-Dissolved (mg/L)	12	9.4	11.8	12.3	13.5
Manganese 54-Dissolved (pCi/L)	<20				
Manganese-Dissolved (mg/L)	0.08	0.06	0.08	0.09	0.08
Manganese-Total (mg/L)				0.08	0.08
Mercury-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0002	<0.001	<0.001	<0.0001

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Appendix 2.7-G - Groundwater Quality Data

Well #42					
Analyte	10/3/2006 10:18	9/28/2007 11:34	11/12/2007 11:20	2/5/2008 14:10	5/30/2008 11:55
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)				<0.01	<0.1
Nickel-Dissolved (mg/L)	0.02	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)		<0.1	0.2	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5				
Oxidation-Reduction Potential (mV)			240	170	200
pH	8.01	8.02	7.95	8.08	8.05
Polonium 210-Dissolved (pCi/L)		<1	<1	5.5	1.6
Polonium 210-Suspended (pCi/L)		13	1.1	2	0.3
Polonium 210-Total (pCi/L)		13			
Potassium 40-Dissolved (pCi/L)	<20				
Potassium-Dissolved (mg/L)	7	7.1	7.2	7.8	6.8
Radium 223-Dissolved (pCi/L)	<20				
Radium 224-Dissolved (pCi/L)	<20				
Radium 226 precision (±) (pCi/L)	3.1				
Radium 226-Dissolved (pCi/L)	87.6	96.5	102	100	100
Radium 226-Suspended (pCi/L)		<0.2	<0.2	5.1	-0.3
Radium 226-Total (pCi/L)		79.7			
Radium 228-Dissolved (pCi/L)	<1				
Radon 222 precision (±) (pCi/L)	581				
Radon 222-Total (pCi/L)	197000		132000	175000	219000
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	0.001	<0.001
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001	<0.001
Selenium-Total (mg/L)				<0.001	<0.001
Selenium-VI-Dissolved (mg/L)			<0.001	0.001	<0.001
Silica-Dissolved (mg/L)	7	7.1	7.2	7.4	4.1
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)			10	11	9.7
Sodium-Dissolved (mg/L)	250	242	270	289	277
Solids-Total Dissolved Calculated (mg/L)		858	969	971	932
Solids-Total Dissolved TDS @ 180 C (mg/L)	940	960	940	980	930
Strontium-Total (mg.L)				0.7	0.7
Sulfate (mg/L)	473	505	519	505	466
TDS Balance (0.80 - 1.20) (dec.%)		1.12	0.97	1.01	1
Thallium 208-Dissolved (pCi/L)	<20				
Thallium-Total (mg/L)				<0.001	<0.001
Thorium 228-Dissolved (pCi/L)	<20				
Thorium 230-Dissolved (pCi/L)		<0.2	0.5	<0.2	0.1
Thorium 230-Suspended (pCi/L)		<0.2	0.2	<0.2	
Thorium 230-Total (pCi/L)		<0.2			
Thorium 232-Dissolved (pCi/L)		<0.005	<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20				
Uranium 238-Dissolved (pCi/L)	<20				
Uranium-Dissolved (mg/L)	0.04	0.015	0.0324	0.0194	0.0142
Uranium-Suspended (mg/L)		0.0029	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)				0.0198	0.0149
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	53				
Zinc 65-Dissolved (pCi/L)	<20				
Zinc-Dissolved (mg/L)	<0.01	0.01	0.03	0.02	0.02
Zinc-Total (mg/L)				0.03	0.02

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Appendix 2.7-G - Groundwater Quality Data

Well #42								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	2.017	3.458088	-1.0755	1.654	5.4725	-1.32	6.08	4
Alkalinity-Total as CaCO3 (mg/L)	177.5	3	174.5	178	180	174	180	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Anions (meq/L)	14.025	0.680074	13.375	14.05	14.65	13.3	14.7	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Arsenic-Total (mg/L)	0.003	0.001414		0.003		0.002	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	216.25	3.40343	212.75	217	219	212	219	4
Boron-Dissolved (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	34.675	3.874167	31	34.65	38.375	30	39.4	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	14.625	1.161536	13.4	14.95	15.525	13	15.6	4
Chloride (mg/L)	12	0.816497	11.25	12	12.75	11	13	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1407.5	82.61356	1330	1405	1487.5	1310	1510	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.4		0.4	0.4	0.4	0.4	0.4	4
Gross Alpha-Dissolved (pCi/L)	457.5	98.45642	372	450.5	550	371	558	4
Gross Beta-Dissolved (pCi/L)	136.875	36.04251	100.625	140.5	169.5	93.5	173	4
Gross Gamma-Dissolved (pCi/L)	18562.5	34308.83	437.5	2050	53200	150	70000	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.155	0.007071		0.155		0.15	0.16	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	13.575	9.054787	4.125	16.4	20.2	0.5	21	4
Lead 210-Suspended (pCi/L)	22.125	24.33233	3.875	15.5	47	0.5	57	4
Lead 210-Total (pCi/L)	57			57		57	57	1
Magnesium-Dissolved (mg/L)	11.75	1.721434	10	12.05	13.2	9.4	13.5	4
Manganese-Dissolved (mg/L)	0.0775	0.012583	0.065	0.08	0.0875	0.06	0.09	4
Manganese-Total (mg/L)	0.08			0.08		0.08	0.08	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000288	0.000246	0.0000625	0.0003	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.0875	0.075	0.05	0.05	0.1625	0.05	0.2	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	203.3333	35.11885	170	200	240	170	240	3
pH	8.025	0.055678	7.9675	8.035	8.0725	7.95	8.08	4

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Appendix 2.7-G - Groundwater Quality Data

Well #42								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Polonium 210-Dissolved (pCi/L)	2.025	2.373991	0.5	1.05	4.525	0.5	5.5	4
Polonium 210-Suspended (pCi/L)	4.1	5.973832	0.5	1.55	10.25	0.3	13	4
Polonium 210-Total (pCi/L)	13			13		13	13	1
Potassium-Dissolved (mg/L)	7.225	0.419325	6.875	7.15	7.65	6.8	7.8	4
Radium 226-Dissolved (pCi/L)	99.625	2.286737	97.375	100	101.5	96.5	102	4
Radium 226-Suspended (pCi/L)	1.25	2.573584	-0.2	0.1	3.85	-0.3	5.1	4
Radium 226-Total (pCi/L)	79.7			79.7		79.7	79.7	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	175333.3	43500.96	132000	175000	219000	132000	219000	3
Selenium-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.000667	0.000289	0.0005	0.0005	0.001	0.0005	0.001	3
Silica-Dissolved (mg/L)	6.45	1.571623	4.85	7.15	7.35	4.1	7.4	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	269.5	19.94158	249	273.5	286	242	289	4
Sodium Adsorption Ratio (SAR) (meq/L)	10.23333	0.680686	9.7	10	11	9.7	11	3
Solids-Total Dissolved Calculated (mg/L)	932.5	52.80467	876.5	950.5	970.5	858	971	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	952.5	22.17356	932.5	950	975	930	980	4
Strontium-Total (mg.L)	0.7			0.7		0.7	0.7	2
Sulfate (mg/L)	498.75	22.80899	475.75	505	515.5	466	519	4
TDS Balance (0.80 - 1.20) (dec.%)	1.025	0.065574	0.9775	1.005	1.0925	0.97	1.12	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.2	0.2	0.1	0.1	0.4	0.1	0.5	4
Thorium 230-Suspended (pCi/L)	0.1	0.08165	0.025	0.1	0.175		0.2	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.02025	0.008416	0.0144	0.0172	0.02915	0.0142	0.0324	4
Uranium-Suspended (mg/L)	0.000838	0.001375	0.00015	0.00015	0.002213	0.00015	0.0029	4
Uranium-Total (mg/L)	0.01735	0.003465		0.01735	-	0.0149	0.0198	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.02	0.008165	0.0125	0.02	0.0275	0.01	0.03	4
Zinc-Total (mg/L)	0.025	0.007071		0.025		0.02	0.03	2

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Appendix 2.7-G - Groundwater Quality Data

Well# 615					
Analyte	4/1/2008 14:34	4/1/2008 14:42	4/21/2008 16:16	5/28/2008 19:20	6/25/2008 13:55
A/C Balance (± 5) (%)	1.45	2.22	4.26	3	2.39
Alkalinity-Total as CaCO3 (mg/L)	136	138	136	138	138
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	10.8	10.7	10.6	11.2	10.6
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.02	0.019	0.02	0.013	0.016
Arsenic-Total (mg/L)	0.024	0.025	0.024	0.024	0.024
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	166	168	166	168	168
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	70.9	71.1	73	79.2	71.8
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	11.1	11.2	11.5	11.9	11.1
Chloride (mg/L)	6	6	4	5	5
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1050	1050	1040	1050	1110
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.5	0.5	0.4	0.5	0.5
Gross Alpha-Dissolved (pCi/L)	18.2	17.7	15.1	15.3	38.3
Gross Beta-Dissolved (pCi/L)	11.6	5.8	12.1	3.7	12.6
Gross Gamma-Dissolved (pCi/L)				170	
Iron-Dissolved (mg/L)	0.7	0.66	0.79	0.1	0.42
Iron-Total (mg/L)	1.35	1.4	1.35	1.4	1.5
Lead 210-Dissolved (pCi/L)	-2.5	-13.8		3.8	1.1
Lead 210-Suspended (pCi/L)	27.1	12.8	-3.2	1.5	3.5
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	0.002	0.002	<0.001	<0.001	0.013
Magnesium-Dissolved (mg/L)	21.7	21.9	22.9	23.2	21.6
Manganese-Dissolved (mg/L)	0.08	0.08	0.07	0.07	0.07
Manganese-Total (mg/L)	0.08	0.08	0.07	0.07	0.07
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	0.06	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	210	210	300	200	140
pH	7.36	7.34	7.43	7.16	7.48
Polonium 210-Dissolved (pCi/L)	0.6	0.8	0.9	-0.1	0.5
Polonium 210-Suspended (pCi/L)	0.4	0.9	0.4		
Potassium-Dissolved (mg/L)	8.7	8.6	8.7	9	8.7
Radium 226-Dissolved (pCi/L)	1.8	2.3	2	2	7.2
Radium 226-Suspended (pCi/L)	0.3		-0.2	0.2	-0.4
Radon 222-Total (pCi/L)	1490	1250	1180	1070	1830
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001

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Appendix 2.7-G - Groundwater Quality Data

Well# 615					
Analyte	4/1/2008 14:34	4/1/2008 14:42	4/21/2008 16:16	5/28/2008 19:20	6/25/2008 13:55
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.6	7.6	7.8	4.4	4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	3.4	3.4	3.5	3.4	3.4
Sodium-Dissolved (mg/L)	127	128	132	134	127
Solids-Total Dissolved Calculated (mg/L)	715	710	715	745	696
Solids-Total Dissolved TDS @ 180 C (mg/L)	670	680	750	710	680
Strontium-Total (mg.L)	1.3	1.3	1.4	1.4	1.4
Sulfate (mg/L)	378	370	371	399	369
TDS Balance (0.80 - 1.20) (dec.%)	0.94	0.95	1.05	0.95	0.97
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.2				
Thorium 230-Suspended (pCi/L)	0.9	0.2	0.1	0.1	0.1
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0026	0.0026	0.0025	0.0024	0.0024
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.0026	0.0025	0.0025	0.0025	0.0023
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	0.02	0.02	<0.01	<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #619				
Analyte	**9/27/2007 17:45**	**11/12/2007 14:25**	**3/24/2008 15:40**	**6/17/2008 18:10**
A/C Balance (± 5) (%)	-1.34	-2.56	3.41	9.08
Alkalinity-Total as CaCO3 (mg/L)	140	98	116	116
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	0.3	0.2	0.2
Anions (meq/L)	28.7	26.8	29.9	28.3
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	0.001
Arsenic-Total (mg/L)			0.002	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	171	119	141	141
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)			<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.001	<0.005
Calcium-Dissolved (mg/L)	304	263	343	375
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	27.9	25.5	32	34
Chloride (mg/L)	9	10	12	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2270	1860	2180	2390
Copper-Dissolved (mg/L)	0.08	<0.01	<0.01	0.01
Copper-Total (mg/L)			<0.01	0.01
Fluoride (mg/L)	0.2	0.2	0.3	0.3
Gross Alpha-Dissolved (pCi/L)	367	341	438	398
Gross Beta-Dissolved (pCi/L)	117	170	175	144
Gross Gamma-Dissolved (pCi/L)	120	4200	25	270
Iron-Dissolved (mg/L)	1.95	4.39	3.22	3.03
Iron-Total (mg/L)			11.9	13
Lead 210-Dissolved (pCi/L)	<1	<1	19	-1.1
Lead 210-Suspended (pCi/L)	<1	<1	11	2
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	0.008	<0.001	<0.001	0.002
Lead-Total (mg/L)			0.005	0.002
Magnesium-Dissolved (mg/L)	106	96.4	125	129
Manganese-Dissolved (mg/L)	1.51	1.15	1.62	1.74
Manganese-Total (mg/L)			1.82	1.65
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		25	-80.2	150
pH	7.03	7.03	7.25	7.82
Polonium 210-Dissolved (pCi/L)	<1	<1	1.9	-0.1

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Appendix 2.7-G - Groundwater Quality Data

Well #619				
Analyte	**9/27/2007 17:45**	**11/12/2007 14:25**	**3/24/2008 15:40**	**6/17/2008 18:10**
Polonium 210-Suspended (pCi/L)	<1	<1	0.1	0.4
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	16.9	16.2	16.5	17.6
Radium 226-Dissolved (pCi/L)	120	100	99.7	110
Radium 226-Suspended (pCi/L)	<0.2	3.5	11.4	8.8
Radium 226-Total (pCi/L)	120			
Radon 222-Total (pCi/L)		2990	5580	5770
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.005	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.5	6	8	4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		1.2	1.1	1
Sodium-Dissolved (mg/L)	80	86.1	90.3	90
Solids-Total Dissolved Calculated (mg/L)	1830	1720	1980	1940
Solids-Total Dissolved TDS @ 180 C (mg/L)	2100	1900	2100	2000
Strontium-Total (mg.L)			5.2	5.4
Sulfate (mg/L)	1440	1180	1310	1230
TDS Balance (0.80 - 1.20) (dec.%)	1.14	1.09	1.05	1.02
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.5	<0.2		
Thorium 230-Suspended (pCi/L)	<0.2	0.2	0.2	
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.002	0.0015	0.0015	0.0016
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)			0.0018	0.0018
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.11	0.07	0.03	0.03
Zinc-Total (mg/L)			0.18	0.08

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Appendix 2.7-G - Groundwater Quality Data

Well #622				
Analyte	**4/1/2008 14:56**	**4/21/2008 15:28**	**5/28/2008 18:26**	**6/25/2008 12:05**
A/C Balance (± 5) (%)	-18.5	3.01	5.53	3.53
Alkalinity-Total as CaCO3 (mg/L)	164	180	178	178
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	13.4	14	14.1	13.9
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Arsenic-Total (mg/L)	0.001	0.006	0.006	0.004
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	0.2	0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	200	219	217	217
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	11.2	87.6	97.5	89.6
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	9.23	14.9	15.8	14.9
Chloride (mg/L)	12	10	10	10
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1260	1330	1220	1410
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.3	0.4	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	15	22.6	32.6	36.4
Gross Beta-Dissolved (pCi/L)	9.2	16.2	11.9	22.5
Gross Gamma-Dissolved (pCi/L)			150	
Iron-Dissolved (mg/L)	<0.03	0.03	<0.03	<0.03
Iron-Total (mg/L)	0.96	7.34	10.7	5.17
Lead 210-Dissolved (pCi/L)	-3.5	-4.1	1.2	-2
Lead 210-Suspended (pCi/L)			-0.9	3.5
Lead-Dissolved (mg/L)	<0.001	0.001	0.001	<0.001
Lead-Total (mg/L)	0.004	0.026	0.023	0.03
Magnesium-Dissolved (mg/L)	7.1	32	32.7	31.2
Manganese-Dissolved (mg/L)	0.02	0.18	0.2	0.19
Manganese-Total (mg/L)	0.02	0.23	0.25	0.22
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	0.08	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	200	340	200	240
pH	8.15	7.85	7.52	7.95

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Appendix 2.7-G - Groundwater Quality Data

Well #622				
Analyte	**4/1/2008 14:56**	**4/21/2008 15:28**	**5/28/2008 18:26**	**6/25/2008 12:05**
Polonium 210-Dissolved (pCi/L)	0.8	1.1	-0.3	0.2
Polonium 210-Suspended (pCi/L)		2.8	2.5	1
Potassium-Dissolved (mg/L)	11.3	10.3	10.6	10.2
Radium 226-Dissolved (pCi/L)	2.3	2.7	3.2	4.1
Radium 226-Suspended (pCi/L)	0.7	0.9	1	-0.2
Radon 222-Total (pCi/L)	501	1090	804	1950
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	1.2	7.5	4	3.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	11	4.1	4.1	4
Sodium-Dissolved (mg/L)	179	175	182	174
Solids-Total Dissolved Calculated (mg/L)	793	931	944	914
Solids-Total Dissolved TDS @ 180 C (mg/L)	800	940	890	900
Strontium-Total (mg.L)	<0.1	1.6	1.6	1.6
Sulfate (mg/L)	470	487	493	481
TDS Balance (0.80 - 1.20) (dec.%)	1.01	1.01	0.95	0.99
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.1			
Thorium 230-Suspended (pCi/L)	0.2	0.1	0.1	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	0.0054	0.0056	0.0051
Uranium-Suspended (mg/L)	<0.0003	0.0008	0.0005	<0.0003
Uranium-Total (mg/L)	<0.0003	0.0065	0.0068	0.0059
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	0.01
Zinc-Total (mg/L)	0.03	0.22	0.25	0.13

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Appendix 2.7-G - Groundwater Quality Data

Well #622								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.6075	11.31394	-13.1225	3.27	5.03	-18.5	5.53	4
Alkalinity-Total as CaCO3 (mg/L)	175	7.393691	167.5	178	179.5	164	180	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	13.85	0.310913	13.525	13.95	14.075	13.4	14.1	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Arsenic-Total (mg/L)	0.00425	0.002363	0.00175	0.005	0.006	0.001	0.006	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.1	0.070711	0.05	0.075	0.175	0.05	0.2	4
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Bicarbonate as HCO3 (mg/L)	213.25	8.883505	204.25	217	218.5	200	219	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	71.475	40.41001	30.3	88.6	95.525	11.2	97.5	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	13.7075	3.015	10.6475	14.9	15.575	9.23	15.8	4
Chloride (mg/L)	10.5	1	10	10	11.5	10	12	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	1305	83.46656	1230	1295	1390	1220	1410	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.375	0.05	0.325	0.4	0.4	0.3	0.4	4
Gross Alpha-Dissolved (pCi/L)	26.65	9.705497	16.9	27.6	35.45	15	36.4	4
Gross Beta-Dissolved (pCi/L)	14.95	5.800287	9.875	14.05	20.925	9.2	22.5	4
Gross Gamma-Dissolved (pCi/L)	37.5	75			112.5		150	4
Iron-Dissolved (mg/L)	0.01875	0.0075	0.015	0.015	0.02625	0.015	0.03	4
Iron-Total (mg/L)	6.0425	4.081212	2.0125	6.255	9.86	0.96	10.7	4
Lead-Dissolved (mg/L)	0.00075	0.000289	0.0005	0.00075	0.001	0.0005	0.001	4
Lead-Total (mg/L)	0.02075	0.011529	0.00875	0.0245	0.029	0.004	0.03	4
Lead 210-Dissolved (pCi/L)	-2.1	2.370654	-3.95	-2.75	0.4	-4.1	1.2	4
Lead 210-Suspended (pCi/L)	0.65	1.946792	-0.675		2.625	-0.9	3.5	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	25.75	12.44843	13.125	31.6	32.525	7.1	32.7	4
Manganese-Dissolved (mg/L)	0.1475	0.085391	0.06	0.185	0.1975	0.02	0.2	4
Manganese-Total (mg/L)	0.18	0.107393	0.07	0.225	0.245	0.02	0.25	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nitrogen, Nitrate as N (mg/L)	0.0575	0.015	0.05	0.05	0.0725	0.05	0.08	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	245	66.08076	200	220	315	200	340	4
pH	7.8675	0.263106	7.6025	7.9	8.1	7.52	8.15	4
Polonium 210-Dissolved (pCi/L)	0.45	0.6245	-0.175	0.5	1.025	-0.3	1.1	4
Polonium 210-Suspended (pCi/L)	1.575	1.31244	0.25	1.75	2.725		2.8	4

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Appendix 2.7-G - Groundwater Quality Data

Well #622								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	10.6	0.496655	10.225	10.45	11.125	10.2	11.3	4
Radium 226-Dissolved (pCi/L)	3.075	0.776209	2.4	2.95	3.875	2.3	4.1	4
Radium 226-Suspended (pCi/L)	0.6	0.547723	0.025	0.8	0.975	-0.2	1	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1086.25	624.0355	576.75	947	1735	501	1950	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.000875	0.00075	0.0005	0.0005	0.001625	0.0005	0.002	4
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	4.15	2.582634	1.875	3.95	6.625	1.2	7.5	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	177.5	3.696846	174.25	177	181.25	174	182	4
Sodium Adsorption Ratio (SAR) (meq/L)	5.8	3.466987	4.025	4.1	9.275	4	11	4
Solids-Total Dissolved Calculated (mg/L)	895.5	69.42862	823.25	922.5	940.75	793	944	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	882.5	59.09033	822.5	895	930	800	940	4
Strontium-Total (mg.L)	1.2125	0.775	0.4375	1.6	1.6	0.05	1.6	4
Sulfate (mg/L)	482.75	9.810708	472.75	484	491.5	470	493	4
TDS Balance (0.80 - 1.20) (dec.%)	0.99	0.028284	0.96	1	1.01	0.95	1.01	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)	0.025	0.05			0.075		0.1	4
Thorium 230-Suspended (pCi/L)	0.1	0.08165	0.025	0.1	0.175		0.2	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.004063	0.002616	0.001388	0.00525	0.00555	0.00015	0.0056	4
Uranium-Suspended (mg/L)	0.0004	0.000314	0.00015	0.000325	0.000725	0.00015	0.0008	4
Uranium-Total (mg/L)	0.004838	0.003147	0.001588	0.0062	0.006725	0.00015	0.0068	4
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.00625	0.0025	0.005	0.005	0.00875	0.005	0.01	4
Zinc-Total (mg/L)	0.1575	0.099121	0.055	0.175	0.2425	0.03	0.25	4

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Appendix 2.7-G - Groundwater Quality Data

Well #628				
Analyte	**9/28/2007 9:23**	**11/14/2007 10:59**	**2/20/2008 18:30**	**5/29/2008 15:02**
A/C Balance (± 5) (%)	-4.9	-1.74	0.362	5.86
Alkalinity-Total as CaCO3 (mg/L)	134	160	162	160
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.6	0.2	0.2	0.2
Anions (meq/L)	23.5	14.4	17.6	15.2
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	0.001	0.001
Arsenic-Total (mg/L)			0.001	0.004
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	154	195	193	195
Boron-Dissolved (mg/L)	0.4	<0.1	0.2	0.2
Boron-Total (mg/L)			<0.1	0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005
Calcium-Dissolved (mg/L)	24	43.2	50	40.1
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	21.3	13.9	17.8	17
Chloride (mg/L)	82	35	29	42
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2490	1800	1510	1640
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.5	0.4	0.4	0.5
Gross Alpha-Dissolved (pCi/L)	29.9	83.9	64.5	39
Gross Beta-Dissolved (pCi/L)	14	47.1	19	11.4
Gross Gamma-Dissolved (pCi/L)	<20	1100	440	260
Iron-Dissolved (mg/L)	0.11	<0.03	<0.03	<0.03
Iron-Total (mg/L)			0.7	0.66
Lead 210-Dissolved (pCi/L)	<1	<1	14	0.1
Lead 210-Suspended (pCi/L)	<1	<1	1.2	0.5
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001
Magnesium-Dissolved (mg/L)	11.4	16.9	20.6	17.5
Manganese-Dissolved (mg/L)	0.06	0.15	0.09	0.08
Manganese-Total (mg/L)			0.09	0.08
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		96	110	180

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Appendix 2.7-G - Groundwater Quality Data

Well #628				
Analyte	**9/28/2007 9:23**	**11/14/2007 10:59**	**2/20/2008 18:30**	**5/29/2008 15:02**
pH	8.66	7.77	8.32	8.21
Polonium 210-Dissolved (pCi/L)	<1	2.7	1.3	-0.5
Polonium 210-Suspended (pCi/L)	6.4	<1	<1	0.1
Polonium 210-Total (pCi/L)	6.4			
Potassium-Dissolved (mg/L)	8.8	8.5	9.3	8.2
Radium 226-Dissolved (pCi/L)	7.4	20.7	9	6.1
Radium 226-Suspended (pCi/L)	<0.2		1.7	-0.3
Radium 226-Total (pCi/L)	6.8			
Radon 222-Total (pCi/L)		2740	4360	5040
Selenium-Dissolved (mg/L)	0.002	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	4.5	7.2	5	4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		7.6	9.2	10
Sodium-Dissolved (mg/L)	435	233	306	307
Solids-Total Dissolved Calculated (mg/L)	1530	923	1180	1040
Solids-Total Dissolved TDS @ 180 C (mg/L)	1800	1300	920	980
Strontium-Total (mg.L)			0.9	0.9
Sulfate (mg/L)	1030	635	651	515
TDS Balance (0.80 - 1.20) (dec.%)	1.15	1.44	0.78	0.95
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	
Thorium 230-Suspended (pCi/L)	<0.2	0.3	<0.2	0.1
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0017	0.0034	0.003	0.0027
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)			0.0031	0.0029
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #628								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.1045	4.526388	-4.11	-0.689	4.4855	-4.9	5.86	4
Alkalinity-Total as CaCO3 (mg/L)	154	13.36663	140.5	160	161.5	134	162	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.3	0.2	0.2	0.2	0.5	0.2	0.6	4
Anions (meq/L)	17.675	4.114507	14.6	16.4	22.025	14.4	23.5	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000875	0.00025	0.000625	0.001	0.001	0.0005	0.001	4
Arsenic-Total (mg/L)	0.0025	0.002121		0.0025		0.001	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	184.25	20.18869	163.75	194	195	154	195	4
Boron-Dissolved (mg/L)	0.2125	0.143614	0.0875	0.2	0.35	0.05	0.4	4
Boron-Total (mg/L)	0.075	0.035355		0.075		0.05	0.1	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	39.325	11.02161	28.025	41.65	48.3	24	50	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	17.5	3.040833	14.675	17.4	20.425	13.9	21.3	4
Chloride (mg/L)	47	23.93045	30.5	38.5	72	29	82	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1860	436.4249	1542.5	1720	2317.5	1510	2490	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.45	0.057735	0.4	0.45	0.5	0.4	0.5	4
Gross Alpha-Dissolved (pCi/L)	54.325	24.56045	32.175	51.75	79.05	29.9	83.9	4
Gross Beta-Dissolved (pCi/L)	22.875	16.45507	12.05	16.5	40.075	11.4	47.1	4
Gross Gamma-Dissolved (pCi/L)	452.5	466.2885	72.5	350	935	10	1100	4
Iron-Dissolved (mg/L)	0.03875	0.0475	0.015	0.015	0.08625	0.015	0.11	4
Iron-Total (mg/L)	0.68	0.028284		0.68		0.66	0.7	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	3.775	6.819274	0.2	0.5	10.625	0.1	14	4
Lead 210-Suspended (pCi/L)	0.675	0.35	0.5	0.5	1.025	0.5	1.2	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	16.6	3.827096	12.775	17.2	19.825	11.4	20.6	4
Manganese-Dissolved (mg/L)	0.095	0.03873	0.065	0.085	0.135	0.06	0.15	4
Manganese-Total (mg/L)	0.085	0.007071		0.085		0.08	0.09	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00024	0.000238	0.00005	0.0001	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	128.6667	45.0037	96	110	180	96	180	3
pH	8.24	0.367242	7.88	8.265	8.575	7.77	8.66	4

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Appendix 2.7-G - Groundwater Quality Data

Well #628								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Polonium 210-Dissolved (pCi/L)	1	1.351542	-0.25	0.9	2.35	-0.5	2.7	4
Polonium 210-Suspended (pCi/L)	1.875	3.022554	0.2	0.5	4.925	0.1	6.4	4
Polonium 210-Total (pCi/L)	6.4			6.4		6.4	6.4	1
Potassium-Dissolved (mg/L)	8.7	0.469042	8.275	8.65	9.175	8.2	9.3	4
Radium 226-Dissolved (pCi/L)	10.8	6.705719	6.425	8.2	17.775	6.1	20.7	4
Radium 226-Suspended (pCi/L)	0.5	1.058301	-0.3	0.1	1.7	-0.3	1.7	3
Radium 226-Total (pCi/L)	6.8			6.8		6.8	6.8	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	4046.667	1181.581	2740	4360	5040	2740	5040	3
Selenium-Dissolved (mg/L)	0.000875	0.00075	0.0005	0.0005	0.001625	0.0005	0.002	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	5.175	1.410378	4.125	4.75	6.65	4	7.2	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	320.25	83.98164	251.25	306.5	403	233	435	4
Sodium Adsorption Ratio (SAR) (meq/L)	8.933333	1.22202	7.6	9.2	10	7.6	10	3
Solids-Total Dissolved Calculated (mg/L)	1168.25	263.0569	952.25	1110	1442.5	923	1530	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	1250	402.8234	935	1140	1675	920	1800	4
Strontium-Total (mg.L)	0.9			0.9		0.9	0.9	2
Sulfate (mg/L)	707.75	223.2418	545	643	935.25	515	1030	4
TDS Balance (0.80 - 1.20) (dec.%)	1.08	0.283666	0.8225	1.05	1.3675	0.78	1.44	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	0.15	0.1	0.1	0.1	0.25	0.1	0.3	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.0027	0.000726	0.00195	0.00285	0.0033	0.0017	0.0034	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.003	0.000141		0.003		0.0029	0.0031	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.00625	0.0025	0.005	0.005	0.00875	0.005	0.01	4
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

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Appendix 2.7-G - Groundwater Quality Data

Well #631				
Analyte	**9/26/2007 16:40**	**11/14/2007 15:20**	**2/20/2008 13:55**	**5/19/2008 11:06**
A/C Balance (± 5) (%)	-4.28	-3.03	-4.87	5.08
Alkalinity-Total as CaCO3 (mg/L)	168	160	158	164
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	26.9	28.9	29.5	29.7
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			<0.001	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	205	195	193	200
Boron-Dissolved (mg/L)	0.2	<0.1	0.1	0.2
Boron-Total (mg/L)			0.1	0.2
Cadmium-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.001
Calcium-Dissolved (mg/L)	268	307	324	375
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	24.7	27.2	26.8	32.8
Chloride (mg/L)	10	10	8	10
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2180	2170	2420	2530
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.2	0.5
Gross Alpha-Dissolved (pCi/L)	51	46.5	162	60.7
Gross Beta-Dissolved (pCi/L)	20.9	29.4	52.1	26.2
Gross Gamma-Dissolved (pCi/L)	520	1900	510	130
Iron-Dissolved (mg/L)	<0.03	0.84	0.57	0.39
Iron-Total (mg/L)			1.06	0.98
Lead 210-Dissolved (pCi/L)	<1	<1	6.1	0.5
Lead 210-Suspended (pCi/L)	<1	<1	7.5	-1.4
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.05	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001
Magnesium-Dissolved (mg/L)	82.9	89.3	82.6	110
Manganese-Dissolved (mg/L)	0.28	0.29	0.3	0.33
Manganese-Total (mg/L)			0.28	0.32
Mercury-Dissolved (mg/L)	<0.0002	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.01
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		<0	180	230

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Appendix 2.7-G - Groundwater Quality Data

Well #631				
Analyte	**9/26/2007 16:40**	**11/14/2007 15:20**	**2/20/2008 13:55**	**5/19/2008 11:06**
pH	7.76	7.23	7.6	7.54
Polonium 210-Dissolved (pCi/L)	<1	3.5	<1	0.2
Polonium 210-Suspended (pCi/L)	<1	<1	<1	0.1
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	15.9	15.7	15.7	16.3
Radium 226-Dissolved (pCi/L)	12.9	9.5	19.4	22.1
Radium 226-Suspended (pCi/L)	2.3		<0.9	-0.3
Radium 226-Total (pCi/L)	15.2			
Radon 222-Total (pCi/L)		4220	3920	4430
Selenium-Dissolved (mg/L)	0.002	<0.001	<0.001	<0.005
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			0.002	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.2	7.8	6.9	3.5
Silver-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		1.2	0.99	1.2
Sodium-Dissolved (mg/L)	92.4	92.9	77.1	107
Solids-Total Dissolved Calculated (mg/L)	1690	1830	1880	1980
Solids-Total Dissolved TDS @ 180 C (mg/L)	1900	2000	2000	2000
Strontium-Total (mg.L)			5.6	6.8
Sulfate (mg/L)	1240	1220	1250	1250
TDS Balance (0.80 - 1.20) (dec.%)	1.11	1.09	1.05	1.02
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0.1
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	0.6	
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.001	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0027	0.0029	0.0027	0.0026
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.003		0.0026	0.0028
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #631								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.775	4.633936	-4.7225	-3.655	3.0525	-4.87	5.08	4
Alkalinity-Total as CaCO3 (mg/L)	162.5	4.434712	158.5	162	167	158	168	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	28.75	1.279323	27.4	29.2	29.65	26.9	29.7	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Arsenic-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	198.25	5.377422	193.5	197.5	203.75	193	205	4
Boron-Dissolved (mg/L)	0.1375	0.075	0.0625	0.15	0.2	0.05	0.2	4
Boron-Total (mg/L)	0.15	0.070711		0.15		0.1	0.2	2
Cadmium-Dissolved (mg/L)	0.003125	0.00125	0.0025	0.0025	0.004375	0.0025	0.005	4
Cadmium-Total (mg/L)	0.0015	0.001414		0.0015		0.0005	0.0025	2
Calcium-Dissolved (mg/L)	318.5	44.3659	277.75	315.5	362.25	268	375	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	27.875	3.461575	25.225	27	31.4	24.7	32.8	4
Chloride (mg/L)	9.5	1	8.5	10	10	8	10	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	2325	178.9786	2172.5	2300	2502.5	2170	2530	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.325	0.125831	0.225	0.3	0.45	0.2	0.5	4
Gross Alpha-Dissolved (pCi/L)	80.05	54.95371	47.625	55.85	136.675	46.5	162	4
Gross Beta-Dissolved (pCi/L)	32.15	13.75415	22.225	27.8	46.425	20.9	52.1	4
Gross Gamma-Dissolved (pCi/L)	765	778.1388	225	515	1555	130	1900	4
Iron-Dissolved (mg/L)	0.45375	0.346058	0.10875	0.48	0.7725	0.015	0.84	4
Iron-Total (mg/L)	1.02	0.056569		1.02		0.98	1.06	2
Lead-Dissolved (mg/L)	0.006625	0.01225	0.0005	0.0005	0.018875	0.0005	0.025	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	1.9	2.8	0.5	0.5	4.7	0.5	6.1	4
Lead 210-Suspended (pCi/L)	1.775	3.920353	-0.925	0.5	5.75	-1.4	7.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	91.2	12.90865	82.675	86.1	104.825	82.6	110	4
Manganese-Dissolved (mg/L)	0.3	0.021602	0.2825	0.295	0.3225	0.28	0.33	4
Manganese-Total (mg/L)	0.3	0.028284		0.3		0.28	0.32	2
Mercury-Dissolved (mg/L)	0.0004	0.0002	0.0002	0.0005	0.0005	0.0001	0.0005	4
Mercury-Total (mg/L)	0.000388	0.000225	0.000163	0.0005	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.005			0.005		0.005	0.005	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #631								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	136.6667	120.9683		180	230		230	3
pH	7.5325	0.222017	7.3075	7.57	7.72	7.23	7.76	4
Polonium 210-Dissolved (pCi/L)	1.175	1.556438	0.275	0.5	2.75	0.2	3.5	4
Polonium 210-Suspended (pCi/L)	0.4	0.2	0.2	0.5	0.5	0.1	0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	15.9	0.282843	15.7	15.8	16.2	15.7	16.3	4
Radium 226-Dissolved (pCi/L)	15.975	5.791589	10.35	16.15	21.425	9.5	22.1	4
Radium 226-Suspended (pCi/L)	0.816667	1.33822	-0.3	0.45	2.3	-0.3	2.3	3
Radium 226-Total (pCi/L)	15.2			15.2		15.2	15.2	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	4190	256.3201	3920	4220	4430	3920	4430	3
Selenium-Dissolved (mg/L)	0.001375	0.001031	0.0005	0.00125	0.002375	0.0005	0.0025	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.35	1.936492	4.35	7.05	7.65	3.5	7.8	4
Silver-Dissolved (mg/L)	0.003125	0.00125	0.0025	0.0025	0.004375	0.0025	0.005	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	92.35	12.21324	80.925	92.65	103.475	77.1	107	4
Sodium Adsorption Ratio (SAR) (meq/L)	1.13	0.121244	0.99	1.2	1.2	0.99	1.2	3
Solids-Total Dissolved Calculated (mg/L)	1845	120.6924	1725	1855	1955	1690	1980	4
Solids-Total Dissolved TDS @ 180 C (mg/L	1975	50	1925	2000	2000	1900	2000	4
Strontium-Total (mg.L)	6.2	0.848528		6.2		5.6	6.8	2
Sulfate (mg/L)	1240	14.14214	1225	1245	1250	1220	1250	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0675	0.040311	1.0275	1.07	1.105	1.02	1.11	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Thorium 230-Suspended (pCi/L)	0.2	0.270801	0.025	0.1	0.475		0.6	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.002	0.001	0.001	0.0025	0.0025	0.0005	0.0025	4
Uranium-Dissolved (mg/L)	0.002725	0.000126	0.002625	0.0027	0.00285	0.0026	0.0029	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.0028	0.0002	0.0026	0.0028	0.003	0.0026	0.003	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.0075	0.003536		0.0075		0.005	0.01	2

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Appendix 2.7-G - Groundwater Quality Data

Well #635				
Analyte	**9/26/2007 18:08**	**11/27/2007 8:25**	**2/10/2008 14:55**	**4/29/2008 19:00**
A/C Balance (± 5) (%)	-1.14	-0.831	-0.25	3.52
Alkalinity-Total as CaCO3 (mg/L)	124	118	120	118
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.1	0.4	0.5	0.5
Anions (meq/L)	30.4	31.6	33.7	32.8
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			<0.001	0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	151	144	146	144
Boron-Dissolved (mg/L)	0.4	0.4	0.5	0.4
Boron-Total (mg/L)			0.5	0.4
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005
Calcium-Dissolved (mg/L)	110	120	132	136
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	29.8	31.1	33.5	35.2
Chloride (mg/L)	24	23	26	20
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2890	2830	2950	2810
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	2.5	4.4	14.8	13.2
Gross Beta-Dissolved (pCi/L)	4.3	6.3	10	-8
Gross Gamma-Dissolved (pCi/L)	960	1000	91	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)			1.11	1.08
Lead 210-Dissolved (pCi/L)	<1	1.7	<1	
Lead 210-Suspended (pCi/L)	<1	5.1	<1	-9.6
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.001	0.003	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001
Magnesium-Dissolved (mg/L)	44.3	49	52.3	54.1
Manganese-Dissolved (mg/L)	0.06	0.07	0.06	0.06
Manganese-Total (mg/L)			0.06	0.05
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.05
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.05
Oxidation-Reduction Potential (mV)		270	129.4	180

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Appendix 2.7-G - Groundwater Quality Data

Well #635				
Analyte	**9/26/2007 18:08**	**11/27/2007 8:25**	**2/10/2008 14:55**	**4/29/2008 19:00**
pH	7.72	7.64	7.91	8.2
Polonium 210-Dissolved (pCi/L)	<1	1.9	<1	1.1
Polonium 210-Suspended (pCi/L)	<1	<1	<1	
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	7.8	8.3	8.2	7.3
Radium 226-Dissolved (pCi/L)	1.6	0.8	1.3	
Radium 226-Suspended (pCi/L)	0.8	<0.2	0.6	0.3
Radium 226-Total (pCi/L)	2.4			
Radon 222-Total (pCi/L)		902	806	1070
Selenium-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	8.6	9	10	4.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		9.3	9.6	10
Sodium-Dissolved (mg/L)	470	480	515	545
Solids-Total Dissolved Calculated (mg/L)	2040	2120	2270	2280
Solids-Total Dissolved TDS @ 180 C (mg/L)	2200	2300	2300	2200
Strontium-Total (mg.L)			4.2	4.6
Sulfate (mg/L)	1500	1370	1470	1430
TDS Balance (0.80 - 1.20) (dec.%)	1.09	1.08	1.03	0.98
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0.2
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	<0.2	0.1
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.002	0.002	0.0021	0.0017
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.002		0.0021	0.0017
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	0.02	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #635								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	0.32475	2.161883	-1.06275	-0.5405	2.5775	-1.14	3.52	4
Alkalinity-Total as CaCO3 (mg/L)	120	2.828427	118	119	123	118	124	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.375	0.189297	0.175	0.45	0.5	0.1	0.5	4
Anions (meq/L)	32.125	1.436141	30.7	32.2	33.475	30.4	33.7	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.00075	0.000354		0.00075		0.0005	0.001	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	146.25	3.304038	144	145	149.75	144	151	4
Boron-Dissolved (mg/L)	0.425	0.05	0.4	0.4	0.475	0.4	0.5	4
Boron-Total (mg/L)	0.45	0.070711		0.45		0.4	0.5	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	124.5	11.81807	112.5	126	135	110	136	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	32.4	2.415229	30.125	32.3	34.775	29.8	35.2	4
Chloride (mg/L)	23.25	2.5	20.75	23.5	25.5	20	26	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	2870	63.24555	2815	2860	2935	2810	2950	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.35	0.057735	0.3	0.35	0.4	0.3	0.4	4
Gross Alpha-Dissolved (pCi/L)	8.725	6.174882	2.975	8.8	14.4	2.5	14.8	4
Gross Beta-Dissolved (pCi/L)	3.15	7.799359	-4.925	5.3	9.075	-8	10	4
Gross Gamma-Dissolved (pCi/L)	512.75	541.0578	22.75	525.5	990		1000	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	1.095	0.021213		1.095		1.08	1.11	2
Lead-Dissolved (mg/L)	0.001125	0.00125	0.0005	0.0005	0.002375	0.0005	0.003	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	0.675	0.722842	0.125	0.5	1.4		1.7	4
Lead 210-Suspended (pCi/L)	-0.875	6.207724	-7.075	0.5	3.95	-9.6	5.1	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	49.925	4.303777	45.475	50.65	53.65	44.3	54.1	4
Manganese-Dissolved (mg/L)	0.0625	0.005	0.06	0.06	0.0675	0.06	0.07	4
Manganese-Total (mg/L)	0.055	0.007071		0.055		0.05	0.06	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.03	0.028284		0.03		0.01	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #635								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Oxidation-Reduction Potential (mV)	193.1333	71.21414	129.4	180	270	129.4	270	3
pH	7.8675	0.248914	7.66	7.815	8.1275	7.64	8.2	4
Polonium 210-Dissolved (pCi/L)	1	0.663325	0.5	0.8	1.7	0.5	1.9	4
Polonium 210-Suspended (pCi/L)	0.375	0.25	0.125	0.5	0.5		0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	7.9	0.454606	7.425	8	8.275	7.3	8.3	4
Radium 226-Dissolved (pCi/L)	1.233333	0.404145	0.8	1.3	1.6	0.8	1.6	3
Radium 226-Suspended (pCi/L)	0.45	0.310913	0.15	0.45	0.75	0.1	0.8	4
Radium 226-Total (pCi/L)	2.4			2.4		2.4	2.4	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	926	133.6263	806	902	1070	806	1070	3
Selenium-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Selenium-IV-Dissolved (mg/L)	0.000667	0.000289	0.0005	0.0005	0.001	0.0005	0.001	3
Selenium-Total (mg/L)	0.00075	0.000354		0.00075		0.0005	0.001	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	8.125	2.229163	5.825	8.8	9.75	4.9	10	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	502.5	34.27827	472.5	497.5	537.5	470	545	4
Sodium Adsorption Ratio (SAR) (meq/L)	9.633333	0.351188	9.3	9.6	10	9.3	10	3
Solids-Total Dissolved Calculated (mg/L)	2177.5	117.2959	2060	2195	2277.5	2040	2280	4
olids-Total Dissolved TDS @ 180 C (mg/L	2250	57.73503	2200	2250	2300	2200	2300	4
Strontium-Total (mg.L)	4.4	0.282843		4.4		4.2	4.6	2
Sulfate (mg/L)	1442.5	56.19905	1385	1450	1492.5	1370	1500	4
TDS Balance (0.80 - 1.20) (dec.%)	1.045	0.050662	0.9925	1.055	1.0875	0.98	1.09	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.125	0.05	0.1	0.1	0.175	0.1	0.2	4
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00195	0.000173	0.001775	0.002	0.002075	0.0017	0.0021	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.001933	0.000208	0.0017	0.002	0.0021	0.0017	0.0021	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.00875	0.0075	0.005	0.005	0.01625	0.005	0.02	4
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

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Appendix 2.7-G - Groundwater Quality Data

Well #650				
Analyte	**9/28/2007 19:00**	**11/12/2007 15:30**	**3/24/2008 9:00**	**5/30/2008 16:30**
A/C Balance (± 5) (%)	-3.87	4.96	-5.85	-1.4
Alkalinity-Total as CaCO3 (mg/L)	116	108	30	30
Aluminum-Dissolved (mg/L)	0.6	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.6	0.6	0.4	0.4
Anions (meq/L)	25.9	23.5	17.8	18.2
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			0.001	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	141	132	37	37
Boron-Dissolved (mg/L)	<0.1	<0.1	0.1	0.1
Boron-Total (mg/L)			0.1	0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.001	<0.005
Calcium-Dissolved (mg/L)	219	221	101	125
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	23.9	26	15.9	17.7
Chloride (mg/L)	17	16	19	16
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2260	1770	1540	1700
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			0.08	<0.01
Fluoride (mg/L)	<0.1	<0.1	0.1	0.1
Gross Alpha-Dissolved (pCi/L)	13.1	5.6	2.9	2.1
Gross Beta-Dissolved (pCi/L)	20.9	20.1	12.5	10.8
Gross Gamma-Dissolved (pCi/L)	1100	2200	<20	
Iron-Dissolved (mg/L)	13.2	0.68	0.06	0.1
Iron-Total (mg/L)			7.59	8.99
Lead 210-Dissolved (pCi/L)	<1	1.4	24	1.5
Lead 210-Suspended (pCi/L)	<1	<1	12	6.2
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			0.05	0.002
Magnesium-Dissolved (mg/L)	85.2	100	62.3	70.6
Manganese-Dissolved (mg/L)	2.44	1.39	0.43	0.94
Manganese-Total (mg/L)			0.56	0.66
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.0001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		190	120	200

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Appendix 2.7-G - Groundwater Quality Data

Well #650				
Analyte	**9/28/2007 19:00**	**11/12/2007 15:30**	**3/24/2008 9:00**	**5/30/2008 16:30**
pH	7.04	7.22	7.4	7.3
Polonium 210-Dissolved (pCi/L)	<1	<1	0.4	-0.2
Polonium 210-Suspended (pCi/L)	<1	<1	1.2	0.2
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	17.6	18.1	14.5	15.6
Radium 226-Dissolved (pCi/L)	2.7	2.4	1.4	1.2
Radium 226-Suspended (pCi/L)	0.6	<0.2	0.7	-0.02
Radium 226-Total (pCi/L)	3.2			
Radon 222-Total (pCi/L)		134	202	254
Selenium-Dissolved (mg/L)	0.002	<0.001	<0.005	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	2.7	1.1	0.9	<0.5
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		1.9	2.3	2.1
Sodium-Dissolved (mg/L)	110	139	121	119
Solids-Total Dissolved Calculated (mg/L)	1630	1560	1140	1190
Solids-Total Dissolved TDS @ 180 C (mg/L)	2000	1600	1300	1400
Strontium-Total (mg.L)			2.1	2.6
Sulfate (mg/L)	1320	1000	801	825
TDS Balance (0.80 - 1.20) (dec.%)	1.21	1.01	1.11	1.13
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	0.4	
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	0.8	0.2
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0019	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	0.0014	<0.0003	0.0033	<0.0003
Uranium-Total (mg/L)			0.0004	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.02	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			0.07	0.02

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Appendix 2.7-G - Groundwater Quality Data

Well #650								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.54	4.700163	-5.355	-2.635	3.37	-5.85	4.96	4
Alkalinity-Total as CaCO3 (mg/L)	71	47.45524	30	69	114	30	116	4
Aluminum-Dissolved (mg/L)	0.1875	0.275	0.05	0.05	0.4625	0.05	0.6	4
Ammonia (mg/L)	0.5	0.11547	0.4	0.5	0.6	0.4	0.6	4
Anions (meq/L)	21.35	3.993745	17.9	20.85	25.3	17.8	25.9	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000875	0.00075	0.0005	0.0005	0.001625	0.0005	0.002	4
Arsenic-Total (mg/L)	0.0015	0.000707		0.0015		0.001	0.002	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	86.75	57.56373	37	84.5	138.75	37	141	4
Boron-Dissolved (mg/L)	0.075	0.028868	0.05	0.075	0.1	0.05	0.1	4
Boron-Total (mg/L)	0.1			0.1		0.1	0.1	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0015	0.001414		0.0015		0.0005	0.0025	2
Calcium-Dissolved (mg/L)	166.5	62.55398	107	172	220.5	101	221	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	20.875	4.838991	16.35	20.8	25.475	15.9	26	4
Chloride (mg/L)	17	1.414214	16	16.5	18.5	16	19	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1817.5	310.309	1580	1735	2137.5	1540	2260	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.0425	0.053033		0.0425		0.005	0.08	2
Fluoride (mg/L)	0.075	0.028868	0.05	0.075	0.1	0.05	0.1	4
Gross Alpha-Dissolved (pCi/L)	5.925	5.012235	2.3	4.25	11.225	2.1	13.1	4
Gross Beta-Dissolved (pCi/L)	16.075	5.166801	11.225	16.3	20.7	10.8	20.9	4
Gross Gamma-Dissolved (pCi/L)	827.5	1050.567	2.5	555	1925		2200	4
Iron-Dissolved (mg/L)	3.51	6.46621	0.07	0.39	10.07	0.06	13.2	4
Iron-Total (mg/L)	8.29	0.989949		8.29		7.59	8.99	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.026	0.033941		0.026		0.002	0.05	2
Lead 210-Dissolved (pCi/L)	6.85	11.44217	0.725	1.45	18.375	0.5	24	4
Lead 210-Suspended (pCi/L)	4.8	5.500909	0.5	3.35	10.55	0.5	12	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	79.525	16.61112	64.375	77.9	96.3	62.3	100	4
Manganese-Dissolved (mg/L)	1.3	0.855219	0.5575	1.165	2.1775	0.43	2.44	4
Manganese-Total (mg/L)	0.61	0.070711		0.61		0.56	0.66	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000175	0.000218	0.00005	0.000075	0.0004	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4

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Appendix 2.7-G - Groundwater Quality Data

Well #650								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	170	43.58899	120	190	200	120	200	3
pH	7.24	0.152315	7.085	7.26	7.375	7.04	7.4	4
Polonium 210-Dissolved (pCi/L)	0.3	0.33665	-0.05	0.45	0.5	-0.2	0.5	4
Polonium 210-Suspended (pCi/L)	0.6	0.424264	0.275	0.5	1.025	0.2	1.2	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	16.45	1.690168	14.775	16.6	17.975	14.5	18.1	4
Radium 226-Dissolved (pCi/L)	1.925	0.736546	1.25	1.9	2.625	1.2	2.7	4
Radium 226-Suspended (pCi/L)	0.345	0.357911	0.01	0.35	0.675	-0.02	0.7	4
Radium 226-Total (pCi/L)	3.2			3.2		3.2	3.2	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	196.6667	60.17752	134	202	254	134	254	3
Selenium-Dissolved (mg/L)	0.001375	0.001031	0.0005	0.00125	0.002375	0.0005	0.0025	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	1.2375	1.040332	0.4125	1	2.3	0.25	2.7	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	122.25	12.14839	112.25	120	134.5	110	139	4
Sodium Adsorption Ratio (SAR) (meq/L)	2.1	0.2	1.9	2.1	2.3	1.9	2.3	3
Solids-Total Dissolved Calculated (mg/L)	1380	250.7323	1152.5	1375	1612.5	1140	1630	4
Solids-Total Dissolved TDS @ 180 C (mg/L	1575	309.5696	1325	1500	1900	1300	2000	4
Strontium-Total (mg.L)	2.35	0.353553		2.35		2.1	2.6	2
Sulfate (mg/L)	986.5	239.3721	807	912.5	1240	801	1320	4
TDS Balance (0.80 - 1.20) (dec.%)	1.115	0.08226	1.035	1.12	1.19	1.01	1.21	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.15	0.173205	0.025	0.1	0.325		0.4	4
Thorium 230-Suspended (pCi/L)	0.3	0.33665	0.1	0.15	0.65	0.1	0.8	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.000588	0.000875	0.00015	0.00015	0.001463	0.00015	0.0019	4
Uranium-Suspended (mg/L)	0.00125	0.001488	0.00015	0.000775	0.002825	0.00015	0.0033	4
Uranium-Total (mg/L)	0.000275	0.000177		0.000275		0.00015	0.0004	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.00875	0.0075	0.005	0.005	0.01625	0.005	0.02	4
Zinc-Total (mg/L)	0.045	0.035355		0.045		0.02	0.07	2

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Appendix 2.7-G - Groundwater Quality Data

Well #675					
Analyte	**9/28/2007 10:49**	**11/27/2007 17:34**	**2/5/2008 12:05**	**4/29/2008 17:47**	**4/29/2008 17:50**
A/C Balance (± 5) (%)	-4.99	1.35	5.71	1.42	0.84
Alkalinity-Total as CaCO3 (mg/L)	378	352	388	422	428
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.3	0.5	0.3	0.2	0.2
Anions (meq/L)	84.2	80	77.8	89.5	90.4
Antimony-Total (mg/L)			<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	0.001	0.001	0.001
Arsenic-Total (mg/L)			0.002	0.002	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	461	429	473	514	522
Boron-Dissolved (mg/L)	0.4	0.3	0.4	0.3	0.3
Boron-Total (mg/L)			<0.1	0.3	0.3
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	400	410	439	450	452
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	76.2	82.2	87.2	92.1	91.9
Chloride (mg/L)	64	60	75	64	64
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	6090	5830	6340	6560	6530
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01	<0.01
Fluoride (mg/L)	0.1	0.4	0.6	0.5	0.5
Gross Alpha-Dissolved (pCi/L)	18.8	18.3	29.3	55.2	51.1
Gross Beta-Dissolved (pCi/L)	18.5	<2	25.3	8	-0.4
Gross Gamma-Dissolved (pCi/L)	<20	1100	<20		
Iron-Dissolved (mg/L)	0.13	0.05	0.15	1.88	2.32
Iron-Total (mg/L)			3.48	5.03	5.12
Lead 210-Dissolved (pCi/L)	<1	6	<1		
Lead 210-Suspended (pCi/L)	14	<1	<1	-19.2	-5.2
Lead 210-Total (pCi/L)	14				
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	339	362	376	408	416
Manganese-Dissolved (mg/L)	2.89	3.14	3.39	3.02	2.66
Manganese-Total (mg/L)			3.4	3.02	2.75
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.0001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	0.07	0.07
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.05	<0.05
Oxidation-Reduction Potential (mV)		220	180	240	240
pH	7.25	7.32	7.29	7.53	7.79
Polonium 210-Dissolved (pCi/L)	<1	<1	2.1	0.6	1.2
Polonium 210-Suspended (pCi/L)	<1	2	<1	0.3	-0.1
Polonium 210-Total (pCi/L)	<1				
Potassium-Dissolved (mg/L)	28	25.2	24.5	21.7	21.4

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Appendix 2.7-G - Groundwater Quality Data

Well #675					
Analyte	9/28/2007 10:49	11/27/2007 17:34	2/5/2008 12:05	4/29/2008 17:47	4/29/2008 17:50
Radium 226-Dissolved (pCi/L)	<0.2	0.5	<0.2		
Radium 226-Suspended (pCi/L)	2.3	1.7	<0.2	0.7	0.7
Radium 226-Total (pCi/L)	2.3				
Radon 222-Total (pCi/L)		712	783	960	960
Selenium-Dissolved (mg/L)	0.003	<0.001	0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)			0.004	0.002	0.002
Selenium-VI-Dissolved (mg/L)		<0.001	0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	16	14.9	14.4	7.3	7.4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005	<0.005
odium Adsorption Ratio (SAR) (meq/L)		6.2	6.5	6.6	6.4
Sodium-Dissolved (mg/L)	630	713	769	809	789
olids-Total Dissolved Calculated (mg/	5280	5200	5180	5830	5860
ds-Total Dissolved TDS @ 180 C (m	5900	6100	6100	5700	4800
Strontium-Total (mg.L)			8.3	8.8	8.6
Sulfate (mg/L)	3600	3420	3260	3810	3840
TDS Balance (0.80 - 1.20) (dec.%)	1.11	1.17	1.18	0.97	0.82
Thallium-Total (mg/L)			<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2		
Thorium 230-Suspended (pCi/L)	<0.2	1.3	<0.2		0.1
Thorium 230-Total (pCi/L)	<0.2				
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0372	0.0307	0.0387	0.0493	0.0485
Uranium-Suspended (mg/L)	0.0013	0.003	0.0005	<0.0003	<0.0003
Uranium-Total (mg/L)			0.0387	0.0502	0.0516
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.02	0.02	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01	0.01

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #675								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
A/C Balance (± 5) (%)	0.866	3.817686	-2.075	1.35	3.565	-4.99	5.71	5
Alkalinity-Total as CaCO3 (mg/L)	393.6	31.6038	365	388	425	352	428	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.3	0.122474	0.2	0.3	0.4	0.2	0.5	5
Anions (meq/L)	84.38	5.589454	78.9	84.2	89.95	77.8	90.4	5
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	3
Arsenic-Dissolved (mg/L)	0.0009	0.000224	0.00075	0.001	0.001	0.0005	0.001	5
Arsenic-Total (mg/L)	0.002		0.002	0.002	0.002	0.002	0.002	3
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Bicarbonate as HCO3 (mg/L)	479.8	38.50584	445	473	518	429	522	5
Boron-Dissolved (mg/L)	0.34	0.054772	0.3	0.3	0.4	0.3	0.4	5
Boron-Total (mg/L)	0.216667	0.144338	0.05	0.3	0.3	0.05	0.3	3
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Calcium-Dissolved (mg/L)	430.2	23.79496	405	439	451	400	452	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	85.92	6.780634	79.2	87.2	92	76.2	92.1	5
Chloride (mg/L)	65.4	5.639149	62	64	69.5	60	75	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Conductivity @ 25 C (umhos/cm)	6270	309.2733	5960	6340	6545	5830	6560	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Fluoride (mg/L)	0.42	0.192354	0.25	0.5	0.55	0.1	0.6	5
Gross Alpha-Dissolved (pCi/L)	34.54	17.6069	18.55	29.3	53.15	18.3	55.2	5
Gross Beta-Dissolved (pCi/L)	10.48	11.16185	0.3	8	21.9	-0.4	25.3	5
Gross Gamma-Dissolved (pCi/L)	224	489.7244		10	555		1100	5
Iron-Dissolved (mg/L)	0.906	1.101649	0.09	0.15	2.1	0.05	2.32	5
Iron-Total (mg/L)	4.543333	0.921973	3.48	5.03	5.12	3.48	5.12	3
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Lead 210-Dissolved (pCi/L)	1.4	2.583602		0.5	3.25		6	5
Lead 210-Suspended (pCi/L)	-1.88	11.98445	-12.2	0.5	7.25	-19.2	14	5
Lead 210-Total (pCi/L)	14			14		14	14	1
Magnesium-Dissolved (mg/L)	380.2	32.01874	350.5	376	412	339	416	5
Manganese-Dissolved (mg/L)	3.02	0.272855	2.775	3.02	3.265	2.66	3.39	5
Manganese-Total (mg/L)	3.056667	0.326548	2.75	3.02	3.4	2.75	3.4	3
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.000314	0.000232	0.00005	0.0005	0.0005	0.00005	0.0005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.035	0.025981	0.005	0.05	0.05	0.005	0.05	3
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Nitrogen, Nitrate as N (mg/L)	0.058	0.010954	0.05	0.05	0.07	0.05	0.07	5
Nitrogen, Nitrite as N (mg/L)	0.04	0.013693	0.025	0.05	0.05	0.025	0.05	5

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #675								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	220	28.28427	190	230	240	180	240	4
pH	7.436	0.225566	7.27	7.32	7.66	7.25	7.79	5
Polonium 210-Dissolved (pCi/L)	0.98	0.690652	0.5	0.6	1.65	0.5	2.1	5
Polonium 210-Suspended (pCi/L)	0.64	0.798749	0.1	0.5	1.25	-0.1	2	5
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	24.16	2.720845	21.55	24.5	26.6	21.4	28	5
Radium 226-Dissolved (pCi/L)	0.233333	0.23094	0.1	0.1	0.5	0.1	0.5	3
Radium 226-Suspended (pCi/L)	1.1	0.883176	0.4	0.7	2	0.1	2.3	5
Radium 226-Total (pCi/L)	2.3			2.3		2.3	2.3	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	853.75	126.0645	729.75	871.5	960	712	960	4
Selenium-Dissolved (mg/L)	0.0011	0.001084	0.0005	0.0005	0.002	0.0005	0.003	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.002667	0.001155	0.002	0.002	0.004	0.002	0.004	3
Selenium-VI-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Silica-Dissolved (mg/L)	12	4.284274	7.35	14.4	15.45	7.3	16	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Sodium-Dissolved (mg/L)	742	72.13182	671.5	769	799	630	809	5
Sodium Adsorption Ratio (SAR) (meq/L)	6.425	0.170783	6.25	6.45	6.575	6.2	6.6	4
Solids-Total Dissolved Calculated (mg/L)	5470	344.5287	5190	5280	5845	5180	5860	5
olids-Total Dissolved TDS @ 180 C (mg/L	5720	540.3702	5250	5900	6100	4800	6100	5
Strontium-Total (mg.L)	8.566667	0.251661	8.3	8.6	8.8	8.3	8.8	3
Sulfate (mg/L)	3586	249.3592	3340	3600	3825	3260	3840	5
TDS Balance (0.80 - 1.20) (dec.%)	1.05	0.15346	0.895	1.11	1.175	0.82	1.18	5
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Thorium 230-Dissolved (pCi/L)	0.06	0.054772		0.1	0.1		0.1	5
Thorium 230-Suspended (pCi/L)	0.32	0.549545	0.05	0.1	0.7		1.3	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.04088	0.00792	0.03395	0.0387	0.0489	0.0307	0.0493	5
Uranium-Suspended (mg/L)	0.00102	0.001202	0.00015	0.0005	0.00215	0.00015	0.003	5
Uranium-Total (mg/L)	0.046833	0.007078	0.0387	0.0502	0.0516	0.0387	0.0516	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Zinc-Dissolved (mg/L)	0.011	0.008216	0.005	0.005	0.02	0.005	0.02	5
Zinc-Total (mg/L)	0.006667	0.002887	0.005	0.005	0.01	0.005	0.01	3

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #676				
Analyte	9/28/2007 13:46	11/27/2007 12:20	2/5/2008 16:57	4/29/2008 12:27
A/C Balance (± 5) (%)	-3.7	-2.19	0.0941	1.76
Alkalinity-Total as CaCO3 (mg/L)	240	228	208	220
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	38.2	40.9	39.5	41.4
Antimony-Total (mg/L)	0	0	<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)	0	0	0.021	<0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	0	0	0.5	<0.1
Beryllium-Total (mg/L)	0	0	0.003	<0.001
Bicarbonate as HCO3 (mg/L)	293	278	254	268
Boron-Dissolved (mg/L)	0.4	0.4	0.5	0.5
Boron-Total (mg/L)	0	0	0.5	0.4
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	0	0	<0.005	<0.005
Calcium-Dissolved (mg/L)	465	514	518	561
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	35.5	39.1	39.5	430
Chloride (mg/L)	15	16	14	13
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	0	0	0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2880	2860	3010	3100
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	0	0	0.12	<0.01
Fluoride (mg/L)	0.2	0.2	0.4	0.3
Gross Alpha-Dissolved (pCi/L)	37.1	31.9	95.5	51.6
Gross Beta-Dissolved (pCi/L)	11.1	21.6	22.1	9.2
Gross Gamma-Dissolved (pCi/L)	1100	1000	<20	0
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)	0	0	66	0.57
Lead 210-Dissolved (pCi/L)	<1	<1	4.1	-0.9
Lead 210-Suspended (pCi/L)	<1	<1	3.8	-6.7
Lead 210-Total (pCi/L)	<1	0	0	0
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	0	0	0.06	<0.001
Magnesium-Dissolved (mg/L)	104	113	114	129
Manganese-Dissolved (mg/L)	0.02	<0.01	0.02	<0.01
Manganese-Total (mg/L)	0	0	2.52	0.03
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	0	0	<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	0	0	0.1	<0.05
Nitrogen, Nitrate as N (mg/L)	1	1	0.7	0.76
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.05
Oxidation-Reduction Potential (mV)	0	250	230	280

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #676				
Analyte	9/28/2007 13:46	11/27/2007 12:20	2/5/2008 16:57	4/29/2008 12:27
pH	7.13	7.17	7.2	7.46
Polonium 210-Dissolved (pCi/L)	<1	1.2	2.9	1.1
Polonium 210-Suspended (pCi/L)	<1	<1	2.2	0.1
Polonium 210-Total (pCi/L)	<1	0	0	0
Potassium-Dissolved (mg/L)	11.6	12.3	12.7	10.9
Radium 226-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0
Radium 226-Suspended (pCi/L)	<0.2	<0.2	11.4	0
Radium 226-Total (pCi/L)	<0.2	0	0	0
Radon 222-Total (pCi/L)	0	453	686	755
Selenium-Dissolved (mg/L)	0.017	0.014	0.012	0.009
Selenium-IV-Dissolved (mg/L)	0	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0	0	0.013	0.012
Selenium-VI-Dissolved (mg/L)	0	0.014	0.012	0.009
Silica-Dissolved (mg/L)	13.7	14.4	14.3	6.4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	0	0	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	0	0.92	0.96	0.93
Sodium-Dissolved (mg/L)	80	88.8	92.2	94
Solids-Total Dissolved Calculated (mg/L)	2410	2600	2550	2720
Solids-Total Dissolved TDS @ 180 C (mg/L)	3000	2900	2500	2600
Strontium-Total (mg.L)	0	0	9.2	8.6
Sulfate (mg/L)	1790	1720	1670	1760
TDS Balance (0.80 - 1.20) (dec.%)	1.24	1.12	0.98	0.95
Thallium-Total (mg/L)	0	0	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	4.2	0
Thorium 230-Total (pCi/L)	<0.2	0	0	0
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0494	0.0548	0.0586	0.0557
Uranium-Suspended (mg/L)	0.0096	0.0011	0.0702	<0.0003
Uranium-Total (mg/L)	0	0	0.0687	0.0591
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	0.03	<0.01	<0.01
Zinc-Total (mg/L)	0	0	0.28	0.03

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #676								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.00898	2.416639	-3.3225	-1.04795	1.343525	-3.7	1.76	4
Alkalinity-Total as CaCO3 (mg/L)	224	13.46601	211	224	237	208	240	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	40	1.44453	38.525	40.2	41.275	38.2	41.4	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.01075	0.014496		0.01075		0.0005	0.021	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.275	0.318198		0.275		0.05	0.5	2
Beryllium-Total (mg/L)	0.00175	0.001768		0.00175		0.0005	0.003	2
Bicarbonate as HCO3 (mg/L)	273.25	16.43928	257.5	273	289.25	254	293	4
Boron-Dissolved (mg/L)	0.45	0.057735	0.4	0.45	0.5	0.4	0.5	4
Boron-Total (mg/L)	0.45	0.070711		0.45		0.4	0.5	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	514.5	39.26406	477.25	516	550.25	465	561	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	136.025	195.9916	36.4	39.3	332.375	35.5	430	4
Chloride (mg/L)	14.5	1.290994	13.25	14.5	15.75	13	16	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.0375	0.017678		0.0375		0.025	0.05	2
Conductivity @ 25 C (umhos/cm)	2962.5	113.2475	2865	2945	3077.5	2860	3100	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.0625	0.081317		0.0625		0.005	0.12	2
Fluoride (mg/L)	0.275	0.095743	0.2	0.25	0.375	0.2	0.4	4
Gross Alpha-Dissolved (pCi/L)	54.025	28.87922	33.2	44.35	84.525	31.9	95.5	4
Gross Beta-Dissolved (pCi/L)	16	6.802451	9.675	16.35	21.975	9.2	22.1	4
Gross Gamma-Dissolved (pCi/L)	527.5	604.7245	2.5	505	1075		1100	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	33.285	46.266		33.285		0.57	66	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.03025	0.042073		0.03025		0.0005	0.06	2
Lead 210-Dissolved (pCi/L)	1.05	2.137756	-0.55	0.5	3.2	-0.9	4.1	4
Lead 210-Suspended (pCi/L)	-0.475	4.431986	-4.9	0.5	2.975	-6.7	3.8	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	115	10.36018	106.25	113.5	125.25	104	129	4
Manganese-Dissolved (mg/L)	0.0125	0.00866	0.005	0.0125	0.02	0.005	0.02	4
Manganese-Total (mg/L)	1.275	1.760696		1.275		0.03	2.52	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.0625	0.053033		0.0625		0.025	0.1	2
Nitrogen, Nitrate as N (mg/L)	0.865	0.157797	0.715	0.88	1	0.7	1	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #676								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	253.3333	25.16611	230	250	280	230	280	3
pH	7.24	0.149443	7.14	7.185	7.395	7.13	7.46	4
Polonium 210-Dissolved (pCi/L)	1.425	1.030776	0.65	1.15	2.475	0.5	2.9	4
Polonium 210-Suspended (pCi/L)	0.825	0.93586	0.2	0.5	1.775	0.1	2.2	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	11.875	0.7932	11.075	11.95	12.6	10.9	12.7	4
Radium 226-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	3
Radium 226-Suspended (pCi/L)	3.866667	6.524058	0.1	0.1	11.4	0.1	11.4	3
Radium 226-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	631.3333	158.2477	453	686	755	453	755	3
Selenium-Dissolved (mg/L)	0.013	0.003367	0.00975	0.013	0.01625	0.009	0.017	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0125	0.000707		0.0125		0.012	0.013	2
Selenium-VI-Dissolved (mg/L)	0.011667	0.002517	0.009	0.012	0.014	0.009	0.014	3
Silica-Dissolved (mg/L)	12.2	3.879003	8.225	14	14.375	6.4	14.4	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	88.75	6.219057	82.2	90.5	93.55	80	94	4
Sodium Adsorption Ratio (SAR) (meq/L)	0.936667	0.020817	0.92	0.93	0.96	0.92	0.96	3
Solids-Total Dissolved Calculated (mg/L)	2570	128.3225	2445	2575	2690	2410	2720	4
olids-Total Dissolved TDS @ 180 C (mg/L	2750	238.0476	2525	2750	2975	2500	3000	4
Strontium-Total (mg.L)	8.9	0.424264		8.9		8.6	9.2	2
Sulfate (mg/L)	1735	51.96152	1682.5	1740	1782.5	1670	1790	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0725	0.134009	0.9575	1.05	1.21	0.95	1.24	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	1.1	2.067204	0.025	0.1	3.175		4.2	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.054625	0.003842	0.05075	0.05525	0.057875	0.0494	0.0586	4
Uranium-Suspended (mg/L)	0.020263	0.033562	0.000388	0.00535	0.05505	0.00015	0.0702	4
Uranium-Total (mg/L)	0.0639	0.006788		0.0639		0.0591	0.0687	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.01125	0.0125	0.005	0.005	0.02375	0.005	0.03	4
Zinc-Total (mg/L)	0.155	0.176777		0.155		0.03	0.28	2

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #677				
Analyte	9/28/2007 12:26	11/27/2007 15:20	2/5/2008 13:39	4/29/2008 15:14
A/C Balance (± 5) (%)	-3.56	-3.76	3.88	2.3
Alkalinity-Total as CaCO3 (mg/L)	532	482	494	480
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	<0.1	<0.1	<0.1
Anions (meq/L)	140	148	136	150
Antimony-Total (mg/L)	0	0	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	<0.001	0.001	0.001
Arsenic-Total (mg/L)	0	0	0.001	0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	0	0	<0.1	<0.1
Beryllium-Total (mg/L)	0	0	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	649	588	602	585
Boron-Dissolved (mg/L)	0.9	0.8	0.8	0.7
Boron-Total (mg/L)	0	0	0.7	0.7
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	0	0	<0.005	<0.005
Calcium-Dissolved (mg/L)	420	454	478	516
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	130	138	147	157
Chloride (mg/L)	1720	1780	1290	1710
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	0	0	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	11000	10800	11600	12100
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	0	0	<0.01	<0.01
Fluoride (mg/L)	<0.1	0.1	<0.1	0.7
Gross Alpha-Dissolved (pCi/L)	41	38.7	129	43.1
Gross Beta-Dissolved (pCi/L)	<2	<2	-2	-30
Gross Gamma-Dissolved (pCi/L)	1100	1000	<20	0
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)	0	0	0.12	0.04
Lead 210-Dissolved (pCi/L)	<1	1.1	2.1	0
Lead 210-Suspended (pCi/L)	<1	<1	<1	-2.3
Lead 210-Total (pCi/L)	<1	0	0	0
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	0	0	<0.001	<0.001
Magnesium-Dissolved (mg/L)	360	395	414	454
Manganese-Dissolved (mg/L)	2.89	2.55	2.59	1.62
Manganese-Total (mg/L)	0	0	2.65	1.71
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	0	0	<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	0	0	<0.05	<0.05

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #677				
Analyte	**9/28/2007 12:26**	**11/27/2007 15:20**	**2/5/2008 13:39**	**4/29/2008 15:14**
Nitrogen, Nitrate as N (mg/L)	<0.1	0.2	<0.1	0.11
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.05
Oxidation-Reduction Potential (mV)	0	200	170	210
pH	7.09	7.14	7.13	7.28
Polonium 210-Dissolved (pCi/L)	<1	<1	2.2	0.4
Polonium 210-Suspended (pCi/L)	<1	2.5	<1	-0.2
Polonium 210-Total (pCi/L)	<1	0	0	0
Potassium-Dissolved (mg/L)	13.2	11	11.3	9.8
Radium 226-Dissolved (pCi/L)	0.9	<0.2	<0.2	0
Radium 226-Suspended (pCi/L)	<0.2	2.7	<0.2	0.3
Radium 226-Total (pCi/L)	<0.2	0	0	0
Radon 222-Total (pCi/L)	0	892	808	1250
Selenium-Dissolved (mg/L)	0.003	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	0	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0	0	0.006	<0.001
Selenium-VI-Dissolved (mg/L)	0	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	10.2	10	9.4	4.2
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	0	0	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	0	16	16	17
Sodium-Dissolved (mg/L)	1810	1880	2030	2140
Solids-Total Dissolved Calculated (mg/L)	8510	9070	8830	9550
olids-Total Dissolved TDS @ 180 C (mg/l	8900	9700	9600	9100
Strontium-Total (mg.L)	0	0	10	11.6
Sulfate (mg/L)	4390	4590	4310	4410
TDS Balance (0.80 - 1.20) (dec.%)	1.04	1.07	1.09	0.95
Thallium-Total (mg/L)	0	0	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0
Thorium 230-Suspended (pCi/L)	<0.2	2.2	0.3	0.1
Thorium 230-Total (pCi/L)	<0.2	0	0	0
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0218	0.0443	0.0402	0.045
Uranium-Suspended (mg/L)	0.027	0.0049	<0.0003	<0.0003
Uranium-Total (mg/L)	0	0	0.0414	0.0471
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.02	0.02	<0.01	<0.01
Zinc-Total (mg/L)	0	0	<0.01	0.01

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #677								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.285	3.950979	-3.71	-0.63	3.485	-3.76	3.88	4
Alkalinity-Total as CaCO3 (mg/L)	497	24.13849	480.5	488	522.5	480	532	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.0875	0.075	0.05	0.05	0.1625	0.05	0.2	4
Anions (meq/L)	143.5	6.608076	137	144	149.5	136	150	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.001125	0.000629	0.000625	0.001	0.00175	0.0005	0.002	4
Arsenic-Total (mg/L)	0.001			0.001		0.001	0.001	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	606	29.60856	585.75	595	637.25	585	649	4
Boron-Dissolved (mg/L)	0.8	0.08165	0.725	0.8	0.875	0.7	0.9	4
Boron-Total (mg/L)	0.7			0.7		0.7	0.7	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	467	40.41452	428.5	466	506.5	420	516	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	143	11.63329	132	142.5	154.5	130	157	4
Chloride (mg/L)	1625	225.4625	1395	1715	1765	1290	1780	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	11375	590.9033	10850	11300	11975	10800	12100	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.225	0.317543	0.05	0.075	0.55	0.05	0.7	4
Gross Alpha-Dissolved (pCi/L)	62.95	44.06998	39.275	42.05	107.525	38.7	129	4
Gross Beta-Dissolved (pCi/L)	-7.5	15.06652	-23	-0.5	1	-30	1	4
Gross Gamma-Dissolved (pCi/L)	527.5	604.7245	2.5	505	1075		1100	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.08	0.056569		0.08		0.04	0.12	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	0.925	0.903235	0.125	0.8	1.85		2.1	4
Lead 210-Suspended (pCi/L)	-0.2	1.4	-1.6	0.5	0.5	-2.3	0.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	405.75	39.17801	368.75	404.5	444	360	454	4
Manganese-Dissolved (mg/L)	2.4125	0.549689	1.8525	2.57	2.815	1.62	2.89	4
Manganese-Total (mg/L)	2.18	0.66468		2.18		1.71	2.65	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.1025	0.070887	0.05	0.08	0.1775	0.05	0.2	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #677								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	193.3333	20.81666	170	200	210	170	210	3
pH	7.16	0.082865	7.1	7.135	7.245	7.09	7.28	4
Polonium 210-Dissolved (pCi/L)	0.9	0.867948	0.425	0.5	1.775	0.4	2.2	4
Polonium 210-Suspended (pCi/L)	0.825	1.164403	-0.025	0.5	2	-0.2	2.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	11.325	1.408013	10.1	11.15	12.725	9.8	13.2	4
Radium 226-Dissolved (pCi/L)	0.366667	0.46188	0.1	0.1	0.9	0.1	0.9	3
Radium 226-Suspended (pCi/L)	0.8	1.270171	0.1	0.2	2.1	0.1	2.7	4
Radium 226-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	983.3333	234.7282	808	892	1250	808	1250	3
Selenium-Dissolved (mg/L)	0.001125	0.00125	0.0005	0.0005	0.002375	0.0005	0.003	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.00325	0.003889		0.00325		0.0005	0.006	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	8.45	2.853653	5.5	9.7	10.15	4.2	10.2	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	1965	148.4363	1827.5	1955	2112.5	1810	2140	4
Sodium Adsorption Ratio (SAR) (meq/L)	16.33333	0.57735	16	16	17	16	17	3
Solids-Total Dissolved Calculated (mg/L)	8990	438.178	8590	8950	9430	8510	9550	4
Solids-Total Dissolved TDS @ 180 C (mg/L	9325	386.221	8950	9350	9675	8900	9700	4
Strontium-Total (mg.L)	10.8	1.131371		10.8		10	11.6	2
Sulfate (mg/L)	4425	118.1807	4330	4400	4545	4310	4590	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0375	0.061847	0.9725	1.055	1.085	0.95	1.09	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	0.675	1.021029	0.1	0.2	1.725	0.1	2.2	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.037825	0.010891	0.0264	0.04225	0.044825	0.0218	0.045	4
Uranium-Suspended (mg/L)	0.00805	0.01283	0.00015	0.002525	0.021475	0.00015	0.027	4
Uranium-Total (mg/L)	0.04425	0.004031		0.04425		0.0414	0.0471	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.0125	0.00866	0.005	0.0125	0.02	0.005	0.02	4
Zinc-Total (mg/L)	0.0075	0.003536		0.0075		0.005	0.01	2

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #678					
Analyte	9/28/2007 16:22	11/27/2007 13:40	2/5/2008 15:39	2/5/2008 15:45	4/29/2008 13:41
A/C Balance (± 5) (%)	-0.532	0.551	<0	<0	1.9
Alkalinity-Total as CaCO3 (mg/L)	490	480	468	472	478
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	78.6	83.1	85.9	87.6	89.1
Antimony-Total (mg/L)			<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	<0.001	0.001	0.001	0.001
Arsenic-Total (mg/L)			0.002	0.001	0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	597	585	570	575	583
Boron-Dissolved (mg/L)	1.3	1.4	1.6	1.6	1.4
Boron-Total (mg/L)			1.6	1.6	1.4
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	397	422	428	412	457
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	77.8	84	85.3	84.6	92.6
Chloride (mg/L)	64	61	96	94	54
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	5710	5780	6020	5990	6300
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01	<0.01
Fluoride (mg/L)	0.6	0.9	<0.1	0.9	1
Gross Alpha-Dissolved (pCi/L)	23.2	18.9	41.5	30.2	54.7
Gross Beta-Dissolved (pCi/L)	8.1	35.3	16	<2	12.8
Gross Gamma-Dissolved (pCi/L)	1100	1100	<20	100	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)			0.04	0.04	<0.03
Lead 210-Dissolved (pCi/L)	<1	4	3.3	<1	-1.2
Lead 210-Suspended (pCi/L)	<1	<1	<1	<1	-1.5
Lead 210-Total (pCi/L)	<1				
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	398	434	434	438	500
Manganese-Dissolved (mg/L)	2.85	3.31	2.39	2.79	2.66
Manganese-Total (mg/L)			2.72	2.61	2.61
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			0.01	0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	0.2	0.2	0.1	0.1	0.09
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.05
Oxidation-Reduction Potential (mV)		210	200	200	260
pH	7.23	7.42	7.34	7.36	7.55
Polonium 210-Dissolved (pCi/L)	<1	<1	2.4	1	1.3
Polonium 210-Suspended (pCi/L)	<1	1.3	<1	<1	
Polonium 210-Total (pCi/L)	<1				
Potassium-Dissolved (mg/L)	18.9	20.1	20.2	20	17.4
Radium 226-Dissolved (pCi/L)	<0.2	<0.2	<0.2	<0.2	
Radium 226-Suspended (pCi/L)	<0.2	0.7	<0.2	<0.2	0.7
Radium 226-Total (pCi/L)	<0.2				

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Appendix 2.7-G - Groundwater Quality Data

Well #678					
Analyte	**9/28/2007 16:22**	**11/27/2007 13:40**	**2/5/2008 15:39**	**2/5/2008 15:45**	**4/29/2008 13:41**
Radon 222-Total (pCi/L)		391	487	418	687
Selenium-Dissolved (mg/L)	0.003	<0.001	0.002	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)			0.005	0.004	0.003
Selenium-VI-Dissolved (mg/L)		<0.001	0.002	<0.001	<0.001
Silica-Dissolved (mg/L)	14.9	15.4	16.3	16.3	7.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		5	5.2	5.1	4.9
Sodium-Dissolved (mg/L)	564	609	634	628	643
Solids-Total Dissolved Calculated (mg/L)	4950	5280	5440	5500	5730
Solids-Total Dissolved TDS @ 180 C (mg/L)	6000	6100	6000	6000	5400
Strontium-Total (mg.L)			10.2	9.7	11
Sulfate (mg/L)	3220	3440	3540	3620	3740
TDS Balance (0.80 - 1.20) (dec.%)	1.21	1.16	1.1	1.1	0.95
Thallium-Total (mg/L)			<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	0.3	<0.2	0.2
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	<0.2	<0.2	0.1
Thorium 230-Total (pCi/L)	<0.2				
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0352	0.0349	0.0368	0.0368	0.0355
Uranium-Suspended (mg/L)	0.0032	0.0008	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)			0.0379	0.0352	0.0387
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	0.2
Zinc-Dissolved (mg/L)	0.01	0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #678								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	0.3838	0.930069	-0.266		1.2255	-0.532	1.9	5
Alkalinity-Total as CaCO3 (mg/L)	477.6	8.414274	470	478	485	468	490	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Anions (meq/L)	84.86	4.148855	80.85	85.9	88.35	78.6	89.1	5
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	3
Arsenic-Dissolved (mg/L)	0.0011	0.000548	0.00075	0.001	0.0015	0.0005	0.002	5
Arsenic-Total (mg/L)	0.001333	0.000577	0.001	0.001	0.002	0.001	0.002	3
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Bicarbonate as HCO3 (mg/L)	582	10.34408	572.5	583	591	570	597	5
Boron-Dissolved (mg/L)	1.46	0.134164	1.35	1.4	1.6	1.3	1.6	5
Boron-Total (mg/L)	1.533333	0.11547	1.4	1.6	1.6	1.4	1.6	3
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Calcium-Dissolved (mg/L)	423.2	22.24185	404.5	422	442.5	397	457	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	84.86	5.261939	80.9	84.6	88.95	77.8	92.6	5
Chloride (mg/L)	73.8	19.70279	57.5	64	95	54	96	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Conductivity @ 25 C (umhos/cm)	5960	231.8405	5745	5990	6160	5710	6300	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Fluoride (mg/L)	0.69	0.387943	0.325	0.9	0.95	0.05	1	5
Gross Alpha-Dissolved (pCi/L)	33.7	14.5205	21.05	30.2	48.1	18.9	54.7	5
Gross Beta-Dissolved (pCi/L)	14.64	12.85391	4.55	12.8	25.65	1	35.3	5
Gross Gamma-Dissolved (pCi/L)	462	583.7123	5	100	1100		1100	5
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	5
Iron-Total (mg/L)	0.031667	0.014434	0.015	0.04	0.04	0.015	0.04	3
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Lead 210-Dissolved (pCi/L)	1.42	2.164948	-0.35	0.5	3.65	-1.2	4	5
Lead 210-Suspended (pCi/L)	0.1	0.894427	-0.5	0.5	0.5	-1.5	0.5	5
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	440.8	36.86733	416	434	469	398	500	5
Manganese-Dissolved (mg/L)	2.8	0.335559	2.525	2.79	3.08	2.39	3.31	5
Manganese-Total (mg/L)	2.646667	0.063509	2.61	2.61	2.72	2.61	2.72	3
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.000367	0.000207	0.0001	0.0005	0.0005	0.0001	0.0005	6
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.023333	0.023094	0.01	0.01	0.05	0.01	0.05	3
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Nitrogen, Nitrate as N (mg/L)	0.138	0.056745	0.095	0.1	0.2	0.09	0.2	5
Nitrogen, Nitrite as N (mg/L)	0.045	0.01118	0.0375	0.05	0.05	0.025	0.05	5

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Appendix 2.7-G - Groundwater Quality Data

Well #678								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	217.5	28.72281	200	205	247.5	200	260	4
pH	7.38	0.11726	7.285	7.36	7.485	7.23	7.55	5
Polonium 210-Dissolved (pCi/L)	1.14	0.782943	0.5	1	1.85	0.5	2.4	5
Polonium 210-Suspended (pCi/L)	0.56	0.466905	0.25	0.5	0.9		1.3	5
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	19.32	1.194571	18.15	20	20.15	17.4	20.2	5
Radium 226-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Radium 226-Suspended (pCi/L)	0.34	0.328634	0.1	0.1	0.7	0.1	0.7	5
Radium 226-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	495.75	133.7544	397.75	452.5	637	391	687	4
Selenium-Dissolved (mg/L)	0.0013	0.001151	0.0005	0.0005	0.0025	0.0005	0.003	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.004	0.001	0.003	0.004	0.005	0.003	0.005	3
Selenium-VI-Dissolved (mg/L)	0.000875	0.00075	0.0005	0.0005	0.001625	0.0005	0.002	4
Silica-Dissolved (mg/L)	14.16	3.550775	11.4	15.4	16.3	7.9	16.3	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Sodium-Dissolved (mg/L)	615.6	31.42133	586.5	628	638.5	564	643	5
Sodium Adsorption Ratio (SAR) (meq/L)	5.05	0.129099	4.925	5.05	5.175	4.9	5.2	4
Solids-Total Dissolved Calculated (mg/L)	5380	289.5686	5115	5440	5615	4950	5730	5
Solids-Total Dissolved TDS @ 180 C (mg/L	5900	282.8427	5700	6000	6050	5400	6100	5
Strontium-Total (mg.L)	10.3	0.655744	9.7	10.2	11	9.7	11	3
Sulfate (mg/L)	3512	196.774	3330	3540	3680	3220	3740	5
TDS Balance (0.80 - 1.20) (dec.%)	1.104	0.097622	1.025	1.1	1.185	0.95	1.21	5
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Thorium 230-Dissolved (pCi/L)	0.16	0.089443	0.1	0.1	0.25	0.1	0.3	5
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.03584	0.000902	0.03505	0.0355	0.0368	0.0349	0.0368	5
Uranium-Suspended (mg/L)	0.00089	0.001322	0.00015	0.00015	0.002	0.00015	0.0032	5
Uranium-Total (mg/L)	0.037267	0.001834	0.0352	0.0379	0.0387	0.0352	0.0387	3
Vanadium-Dissolved (mg/L)	0.08	0.067082	0.05	0.05	0.125	0.05	0.2	5
Zinc-Dissolved (mg/L)	0.007	0.002739	0.005	0.005	0.01	0.005	0.01	5
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3

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Appendix 2.7-G - Groundwater Quality Data

Well #679				
Analyte	**9/28/2007 15:04**	**11/14/2007 13:45**	**2/3/2008 16:25**	**5/18/2008 18:00**
A/C Balance (± 5) (%)	-1.81	-1.35	1.37	6.81
Alkalinity-Total as CaCO3 (mg/L)	140	136	144	158
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	32.7	34.4	33	33.6
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			0.007	0.011
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			0.2	0.3
Beryllium-Total (mg/L)			<0.001	0.002
Bicarbonate as HCO3 (mg/L)	171	166	176	193
Boron-Dissolved (mg/L)	0.4	0.4	0.4	0.4
Boron-Total (mg/L)			<0.1	0.4
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.001	<0.001
Calcium-Dissolved (mg/L)	414	447	440	515
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	31.5	33.5	33.9	38.5
Chloride (mg/L)	12	12	13	11
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2520	2470	1970	2880
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			0.02	0.03
Fluoride (mg/L)	0.3	0.2	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	19.9	13.3	18.4	22.4
Gross Beta-Dissolved (pCi/L)	10.7	16.3	7.2	10.8
Gross Gamma-Dissolved (pCi/L)	1200	1500	86	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)			14.9	26.4
Lead 210-Dissolved (pCi/L)	<1	9.1	<1	4.5
Lead 210-Suspended (pCi/L)	<1	<1	<1	-9.8
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			0.015	0.022
Magnesium-Dissolved (mg/L)	89	92.5	100	109
Manganese-Dissolved (mg/L)	0.14	0.04	0.03	0.04
Manganese-Total (mg/L)			0.35	0.57
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001		<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			0.01	0.02
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	1.2	1.3	1.3	1.1

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Appendix 2.7-G - Groundwater Quality Data

Well #679				
Analyte	**9/28/2007 15:04**	**11/14/2007 13:45**	**2/3/2008 16:25**	**5/18/2008 18:00**
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		230	200	240
pH	7.53	7.34	7.66	7.83
Polonium 210-Dissolved (pCi/L)	1.1	2.3	<1	-0.1
Polonium 210-Suspended (pCi/L)	<1	<1	<1	-0.3
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	12.5	11.4	11.8	11.1
Radium 226-Dissolved (pCi/L)	<0.2	<0.2	0.9	3.7
Radium 226-Suspended (pCi/L)	2.5		9	0.2
Radium 226-Total (pCi/L)	2.5			
Radon 222-Total (pCi/L)		819	2170	1250
Selenium-Dissolved (mg/L)	0.016	0.012	0.013	0.01
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			0.014	0.013
Selenium-VI-Dissolved (mg/L)		0.012	0.012	0.01
Silica-Dissolved (mg/L)	10.4	12.6	12.7	6
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		0.84	0.87	0.86
Sodium-Dissolved (mg/L)	73	74.9	77.6	82
Solids-Total Dissolved Calculated (mg/L)	2110	2230	2160	2290
Solids-Total Dissolved TDS @ 180 C (mg/L)	2500	2600	2500	2500
Strontium-Total (mg.L)			7.3	7.8
Sulfate (mg/L)	1580	1500	1420	1440
TDS Balance (0.80 - 1.20) (dec.%)	1.19	1.15	1.18	1.09
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	
Thorium 230-Suspended (pCi/L)	1.9	0.3	0.4	1.4
Thorium 230-Total (pCi/L)	1.9			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0157	0.0144	0.0139	0.0112
Uranium-Suspended (mg/L)	0.011	0.0008	0.0007	0.0012
Uranium-Total (mg/L)			0.0154	0.0164
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			0.06	0.09

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #679								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	1.255	3.960282	-1.695	0.01	5.45	-1.81	6.81	4
Alkalinity-Total as CaCO3 (mg/L)	144.5	9.574271	137	142	154.5	136	158	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	33.425	0.75	32.775	33.3	34.2	32.7	34.4	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.009	0.002828		0.009		0.007	0.011	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.25	0.070711		0.25		0.2	0.3	2
Beryllium-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Bicarbonate as HCO3 (mg/L)	176.5	11.73314	167.25	173.5	188.75	166	193	4
Boron-Dissolved (mg/L)	0.4		0.4	0.4	0.4	0.4	0.4	4
Boron-Total (mg/L)	0.225	0.247487		0.225		0.05	0.4	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Calcium-Dissolved (mg/L)	454	43.07358	420.5	443.5	498	414	515	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	34.35	2.959167	32	33.7	37.35	31.5	38.5	4
Chloride (mg/L)	12	0.816497	11.25	12	12.75	11	13	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	2460	374.2548	2095	2495	2790	1970	2880	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.025	0.007071		0.025		0.02	0.03	2
Fluoride (mg/L)	0.325	0.095743	0.225	0.35	0.4	0.2	0.4	4
Gross Alpha-Dissolved (pCi/L)	18.5	3.839271	14.575	19.15	21.775	13.3	22.4	4
Gross Beta-Dissolved (pCi/L)	11.25	3.759876	8.075	10.75	14.925	7.2	16.3	4
Gross Gamma-Dissolved (pCi/L)	696.5	765.2771	21.5	643	1425		1500	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	20.65	8.131728		20.65		14.9	26.4	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0185	0.00495		0.0185		0.015	0.022	2
Lead 210-Dissolved (pCi/L)	3.65	4.093491	0.5	2.5	7.95	0.5	9.1	4
Lead 210-Suspended (pCi/L)	-2.075	5.15	-7.225	0.5	0.5	-9.8	0.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	97.625	8.863549	89.875	96.25	106.75	89	109	4
Manganese-Dissolved (mg/L)	0.0625	0.051881	0.0325	0.04	0.115	0.03	0.14	4
Manganese-Total (mg/L)	0.46	0.155563		0.46		0.35	0.57	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000217	0.000247	0.00005	0.0001	0.0005	0.00005	0.0005	3
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.015	0.007071		0.015		0.01	0.02	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	1.225	0.095743	1.125	1.25	1.3	1.1	1.3	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #679								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	223.3333	20.81666	200	230	240	200	240	3
pH	7.59	0.207043	7.3875	7.595	7.7875	7.34	7.83	4
Polonium 210-Dissolved (pCi/L)	0.95	1.024695	0.05	0.8	2	-0.1	2.3	4
Polonium 210-Suspended (pCi/L)	0.3	0.4	-0.1	0.5	0.5	-0.3	0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	11.7	0.60553	11.175	11.6	12.325	11.1	12.5	4
Radium 226-Dissolved (pCi/L)	1.2	1.708801	0.1	0.5	3	0.1	3.7	4
Radium 226-Suspended (pCi/L)	3.9	4.563989	0.2	2.5	9	0.2	9	3
Radium 226-Total (pCi/L)	2.5			2.5		2.5	2.5	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1413	690.092	819	1250	2170	819	2170	3
Selenium-Dissolved (mg/L)	0.01275	0.0025	0.0105	0.0125	0.01525	0.01	0.016	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0135	0.000707		0.0135		0.013	0.014	2
Selenium-VI-Dissolved (mg/L)	0.011333	0.001155	0.01	0.012	0.012	0.01	0.012	3
Silica-Dissolved (mg/L)	10.425	3.13515	7.1	11.5	12.675	6	12.7	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	76.875	3.903311	73.475	76.25	80.9	73	82	4
Sodium Adsorption Ratio (SAR) (meq/L)	0.856667	0.015275	0.84	0.86	0.87	0.84	0.87	3
Solids-Total Dissolved Calculated (mg/L)	2197.5	78.89867	2122.5	2195	2275	2110	2290	4
Solids-Total Dissolved TDS @ 180 C (mg/L	2525	50	2500	2500	2575	2500	2600	4
Strontium-Total (mg.L)	7.55	0.353553		7.55		7.3	7.8	2
Sulfate (mg/L)	1485	71.87953	1425	1470	1560	1420	1580	4
TDS Balance (0.80 - 1.20) (dec.%)	1.1525	0.045	1.105	1.165	1.1875	1.09	1.19	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	1	0.778888	0.325	0.9	1.775	0.3	1.9	4
Thorium 230-Total (pCi/L)	1.9			1.9		1.9	1.9	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.0138	0.001892	0.011875	0.01415	0.015375	0.0112	0.0157	4
Uranium-Suspended (mg/L)	0.003425	0.005055	0.000725	0.001	0.00855	0.0007	0.011	4
Uranium-Total (mg/L)	0.0159	0.000707		0.0159		0.0154	0.0164	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.075	0.021213		0.075		0.06	0.09	2

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #680						
Analyte	1/30/2008 13:50	3/31/2008 15:15	4/21/2008 21:21	5/13/2008 16:06	5/21/2008 12:50	6/10/2008 10:50
A/C Balance (± 5) (%)		0.26	0.77	10.2	5.04	6.54
Alkalinity-Total as CaCO3 (mg/L)	258	264	262	262	254	188
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	35.2	32.4	33.9	30.6	33.9	33.4
Antimony-Total (mg/L)		<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.026	0.008	0.007	0.004	0.004	0.002
Arsenic-Total (mg/L)		0.009	0.006	0.005	0.004	0.005
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)		<0.001	<0.001	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	315	322	319	319	310	229
Boron-Dissolved (mg/L)	0.1	0.1	0.1	0.2	0.2	0.2
Boron-Total (mg/L)		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
Cadmium-Total (mg/L)		<0.005	<0.005	<0.001	<0.005	<0.005
Calcium-Dissolved (mg/L)	343	353	368	421	406	415
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5	<5
Cations (meq/L)	33.5	32.5	34.5	37.6	37.5	38.1
Chloride (mg/L)	15	15	11	12	12	12
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)		<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2630	2560	2510	2580	2860	3060
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)		<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.3	0.3	0.5	0.3
Gross Alpha-Dissolved (pCi/L)	4090	6440	4270	6500	4500	4370
Gross Beta-Dissolved (pCi/L)	1330	2320	1390	2250	1530	1320
Gross Gamma-Dissolved (pCi/L)	4700	150	1000	940	21000	5700
Iron-Dissolved (mg/L)	0.43	0.27	0.25	0.19	0.21	0.06
Iron-Total (mg/L)		0.3	0.29	0.34	0.35	0.28
Lead 210-Dissolved (pCi/L)	17		32	37.7	61.8	15.7
Lead 210-Suspended (pCi/L)	<1	-2	-1	20.3	6.8	12
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	113	111	123	129	133	134
Manganese-Dissolved (mg/L)	0.43	0.4	0.42	0.47	0.48	0.49
Manganese-Total (mg/L)		0.43	0.44	0.5	0.52	0.48
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)		<0.1	<0.1	<0.01	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)		<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.05	0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		180	280	270	160	130
pH	7.26	7.31	7.56	7.14	7.08	7.32
Polonium 210-Dissolved (pCi/L)	1.7	1.5	0.5	2	1.5	0.4
Polonium 210-Suspended (pCi/L)	<1	0.5	0.3	9.1	1.1	1.3
Potassium-Dissolved (mg/L)	20.7	19.1	19.2	19.5	19.5	19.3
Radium 226-Dissolved (pCi/L)	1180	1150	1230	1430	1240	1410
Radium 226-Suspended (pCi/L)	12.7	1.9	1.6	13.2	1	4.4
Radon 222-Total (pCi/L)	143000	71800	81000	151000	359000	91700
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)		<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
Silica-Dissolved (mg/L)	8.9	8.2	8.3	3.8	4.1	4.4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)		<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L	1.8	1.4	1.4	1.4	1.5	1.5

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #680						
Analyte	**1/30/2008 13:50**	**3/31/2008 15:15**	**4/21/2008 21:21**	**5/13/2008 16:06**	**5/21/2008 12:50**	**6/10/2008 10:50**
Sodium-Dissolved (mg/L)	148	120	125	126	132	134
Solids-Total Dissolved Calculated (mg/L)	2210	2080	2190	2080	2240	2250
lids-Total Dissolved TDS @ 180 C (mg	2400	2200	2300	2300	2300	2500
Strontium-Total (mg.L)		7.3	7.3	8.1	8.2	8.1
Sulfate (mg/L)	1420	1280	1360	1200	1370	1410
TDS Balance (0.80 - 1.20) (dec.%)	1.09	1.05	1.04	1.11	1.04	1.1
Thallium-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	0.2	0.3	0.1	0.1	
Thorium 230-Suspended (pCi/L)	0.3	0.2	0.3	0.4		0.1
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.172	0.0569	0.0303	0.0213	0.026	0.0227
Uranium-Suspended (mg/L)	0.0008	<0.0003	<0.0003	0.0004	<0.0003	<0.0003
Uranium-Total (mg/L)		0.0541	0.0291	0.0238	0.0273	0.0244
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	0.02	<0.01	0.01	<0.01	0.01
Zinc-Total (mg/L)		0.02	0.02	0.02	0.01	0.01

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #680								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
A/C Balance (± 5) (%)	3.801667	4.151089	0.195	2.905	7.455		10.2	6
Alkalinity-Total as CaCO3 (mg/L)	248	29.61081	237.5	260	262.5	188	264	6
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Ammonia (mg/L)	0.075	0.061237	0.05	0.05	0.0875	0.05	0.2	6
Anions (meq/L)	33.23333	1.575648	31.95	33.65	34.225	30.6	35.2	6
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	5
Arsenic-Dissolved (mg/L)	0.0085	0.008849	0.0035	0.0055	0.0125	0.002	0.026	6
Arsenic-Total (mg/L)	0.0058	0.001924	0.0045	0.005	0.0075	0.004	0.009	5
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Beryllium-Total (mg/L)	0.0007	0.000447	0.0005	0.0005	0.001	0.0005	0.0015	5
Bicarbonate as HCO3 (mg/L)	302.3333	36.16444	289.75	317	319.75	229	322	6
Boron-Dissolved (mg/L)	0.15	0.054772	0.1	0.15	0.2	0.1	0.2	6
Boron-Total (mg/L)	0.1		0.1	0.1	0.1	0.1	0.1	5
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Cadmium-Total (mg/L)	0.0021	0.000894	0.0015	0.0025	0.0025	0.0005	0.0025	5
Calcium-Dissolved (mg/L)	384.3333	33.79744	350.5	387	416.5	343	421	6
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	6
Cation/Anion Balance (%)								
Cations (meq/L)	35.61667	2.411984	33.25	36	37.725	32.5	38.1	6
Chloride (mg/L)	12.83333	1.722401	11.75	12	15	11	15	6
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Conductivity @ 25 C (umhos/cm)	2700	214.5693	2547.5	2605	2910	2510	3060	6
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	6
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Fluoride (mg/L)	0.333333	0.08165	0.3	0.3	0.35	0.3	0.5	6
Gross Alpha-Dissolved (pCi/L)	5028.333	1124.872	4225	4435	6455	4090	6500	6
Gross Beta-Dissolved (pCi/L)	1690	467.4612	1327.5	1460	2267.5	1320	2320	6
Gross Gamma-Dissolved (pCi/L)	5581.667	7881.067	742.5	2850	9525	150	21000	6
Iron-Dissolved (mg/L)	0.235	0.120623	0.1575	0.23	0.31	0.06	0.43	6
Iron-Total (mg/L)	0.312	0.031145	0.285	0.3	0.345	0.28	0.35	5
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead 210-Dissolved (pCi/L)	27.36667	21.47749	11.775	24.5	43.725		61.8	6
Lead 210-Suspended (pCi/L)	6.1	8.767212	-1.25	3.65	14.075	-2	20.3	6
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	123.8333	9.968283	112.5	126	133.25	111	134	6
Manganese-Dissolved (mg/L)	0.448333	0.03656	0.415	0.45	0.4825	0.4	0.49	6
Manganese-Total (mg/L)	0.474	0.038471	0.435	0.48	0.51	0.43	0.52	5
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Mercury-Total (mg/L)	0.000275	0.000241	0.00005	0.000275	0.0005	0.00005	0.0005	8
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Molybdenum-Total (mg/L)	0.041	0.020125	0.0275	0.05	0.05	0.005	0.05	5
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nitrogen, Nitrate as N (mg/L)	0.054167	0.02458	0.04375	0.05	0.0625	0.025	0.1	6
Nitrogen, Nitrite as N (mg/L)	0.045833	0.010206	0.04375	0.05	0.05	0.025	0.05	6

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #680								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	170	102.7619	97.5	170	272.5		280	6
pH	7.278333	0.167859	7.125	7.285	7.38	7.08	7.56	6
Polonium 210-Dissolved (pCi/L)	1.266667	0.659293	0.475	1.5	1.775	0.4	2	6
Polonium 210-Suspended (pCi/L)	2.133333	3.434919	0.45	0.8	3.25	0.3	9.1	6
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	19.55	0.585662	19.175	19.4	19.8	19.1	20.7	6
Radium 226-Dissolved (pCi/L)	1273.333	118.4342	1172.5	1235	1415	1150	1430	6
Radium 226-Suspended (pCi/L)	5.8	5.660742	1.45	3.15	12.825	1	13.2	6
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	149583.3	107708	78700	117350	203000	71800	359000	6
Selenium-Dissolved (mg/L)	0.001167	0.001033	0.0005	0.0005	0.0025	0.0005	0.0025	6
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Selenium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Silica-Dissolved (mg/L)	6.283333	2.411155	4.025	6.3	8.45	3.8	8.9	6
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Sodium-Dissolved (mg/L)	130.8333	9.80646	123.75	129	137.5	120	148	6
Sodium Adsorption Ratio (SAR) (meq/L)	1.5	0.154919	1.4	1.45	1.575	1.4	1.8	6
Solids-Total Dissolved Calculated (mg/L)	2175	76.61593	2080	2200	2242.5	2080	2250	6
olids-Total Dissolved TDS @ 180 C (mg/L	2333.333	103.2796	2275	2300	2425	2200	2500	6
Strontium-Total (mg.L)	7.8	0.458258	7.3	8.1	8.15	7.3	8.2	5
Sulfate (mg/L)	1340	84.61678	1260	1365	1412.5	1200	1420	6
TDS Balance (0.80 - 1.20) (dec.%)	1.071667	0.031885	1.04	1.07	1.1025	1.04	1.11	6
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Thorium 230-Dissolved (pCi/L)	0.133333	0.10328	0.075	0.1	0.225		0.3	6
Thorium 230-Suspended (pCi/L)	0.216667	0.147196	0.075	0.25	0.325		0.4	6
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Uranium-Dissolved (mg/L)	0.054867	0.05886	0.02235	0.02815	0.085675	0.0213	0.172	6
Uranium-Suspended (mg/L)	0.0003	0.000265	0.00015	0.00015	0.0005	0.00015	0.0008	6
Uranium-Total (mg/L)	0.03174	0.012684	0.0241	0.0273	0.0416	0.0238	0.0541	5
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Zinc-Dissolved (mg/L)	0.009167	0.005845	0.005	0.0075	0.0125	0.005	0.02	6
Zinc-Total (mg/L)	0.016	0.005477	0.01	0.02	0.02	0.01	0.02	5

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #681						
Analyte	1/30/2008 13:50	3/31/2008 15:15	4/21/2008 21:21	5/13/2008 16:06	5/21/2008 12:50	6/10/2008 10:50
A/C Balance (± 5) (%)		-0.5	2.67	5.47	5.53	4.51
Alkalinity-Total as CaCO3 (mg/L)	174	172	172	174	180	170
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	14.2	13.9	13.5	13.3	13.8	13.2
Antimony-Total (mg/L)		<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.003	0.002	0.002	0.002	0.002	0.002
Arsenic-Total (mg/L)		0.005	0.002	0.003	0.004	0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	212	210	210	212	219	207
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Boron-Total (mg/L)		<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
Cadmium-Total (mg/L)		<0.005	<0.005	<0.001	<0.001	<0.005
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
Cations (meq/L)	13.5	13.8	14.3	14.8	15.4	14.5
Chloride (mg/L)	13	17	13	15	16	15
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)		<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1320	1320	1330	1390	1500	1390
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)		<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.4	0.4	0.4	0.6	0.5	0.4
Gross Alpha-Dissolved (pCi/L)	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
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)		<0.03	<0.03	0.04	0.05	0.04
Lead 210-Dissolved (pCi/L)	46		49.9	40.5	38.2	42.2
Lead 210-Suspended (pCi/L)	1.7	16.8	16.7	20.8	20.2	6.2
Lead-Dissolved (mg/L)	0.004	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	0.013
Magnesium-Dissolved (mg/L)	22.3	23.9	25	25.1	25.5	24
Manganese-Dissolved (mg/L)	0.09	0.08	0.09	0.1	0.1	0.08
Manganese-Total (mg/L)		0.08	0.09	0.1	0.09	0.08
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)		<0.1	<0.1	<0.01	<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)		<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		170	280	240	220	140
pH	7.98	7.8	8.02	7.91	8.15	7.99
Polonium 210-Dissolved (pCi/L)	2.6	0.6	3.5	1.6	1.2	0.7
Polonium 210-Suspended (pCi/L)	1.6	1.2		2.4	3.2	1.4
Potassium-Dissolved (mg/L)	10.3	9.2	10	9.6	9.6	9.7
Radium 226-Dissolved (pCi/L)	421	414	377	407	423	434
Radium 226-Suspended (pCi/L)	9.9	3.5	0.2	1.8	1.6	0.7
Radon 222-Total (pCi/L)	462000	254000	253000	246	462000	389000
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	8.1	7.2	7.2	4	4.3	3.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)		<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L	5.4	5.4	5.5	5.6	5.8	5.7

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #681						
Analyte	**1/30/2008 13:50**	**3/31/2008 15:15**	**4/21/2008 21:21**	**5/13/2008 16:06**	**5/21/2008 12:50**	**6/10/2008 10:50**
Sodium-Dissolved (mg/L)	192	197	204	212	221	210
Solids-Total Dissolved Calculated (mg/l	901	908	903	891	926	883
lids-Total Dissolved TDS @ 180 C (mg	930	910	940	900	890	880
Strontium-Total (mg.L)		1.2	1.2	1.3	1.3	1.1
Sulfate (mg/L)	498	478	466	449	465	449
TDS Balance (0.80 - 1.20) (dec.%)	1.03	1.01	1.04	1.01	0.97	0.99
Thallium-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	0.3			0.1	
Thorium 230-Suspended (pCi/L)	<0.2	0.2	0.2	0.7	0.1	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0117	0.0092	0.0098	0.0095	0.0096	0.0097
Uranium-Suspended (mg/L)	0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)		0.0099	0.0102	0.0104	0.0108	0.0102
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Zinc-Total (mg/L)		<0.01	<0.01	<0.01	0.01	<0.01

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #681								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	2.946667	2.687889	-0.125	3.59	5.485	-0.5	5.53	6
Alkalinity-Total as CaCO3 (mg/L)	173.6667	3.444803	171.5	173	175.5	170	180	6
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Anions (meq/L)	13.65	0.383406	13.275	13.65	13.975	13.2	14.2	6
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	5
Arsenic-Dissolved (mg/L)	0.002167	0.000408	0.002	0.002	0.00225	0.002	0.003	6
Arsenic-Total (mg/L)	0.003	0.001581	0.0015	0.003	0.0045	0.001	0.005	5
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Bicarbonate as HCO3 (mg/L)	211.6667	4.033196	209.25	211	213.75	207	219	6
Boron-Dissolved (mg/L)	0.058333	0.020412	0.05	0.05	0.0625	0.05	0.1	6
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Cadmium-Total (mg/L)	0.0017	0.001095	0.0005	0.0025	0.0025	0.0005	0.0025	5
Calcium-Dissolved (mg/L)	63.06667	3.279431	60.2	62.15	66.225	59.9	68.4	6
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	6
Cation/Anion Balance (%)								
Cations (meq/L)	14.38333	0.685322	13.725	14.4	14.95	13.5	15.4	6
Chloride (mg/L)	14.83333	1.602082	13	15	16.25	13	17	6
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Conductivity @ 25 C (umhos/cm)	1375	69.4982	1320	1360	1417.5	1320	1500	6
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	6
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Fluoride (mg/L)	0.45	0.083666	0.4	0.4	0.525	0.4	0.6	6
Gross Alpha-Dissolved (pCi/L)	1509.333	596.5925	1079	1395	2182.5	656	2220	6
Gross Beta-Dissolved (pCi/L)	443	186.172	284.5	397	663	226	675	6
Gross Gamma-Dissolved (pCi/L)	4300	4870.281	270	2850	8200	210	13000	6
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	6
Iron-Total (mg/L)	0.032	0.016047	0.015	0.04	0.045	0.015	0.05	5
Lead-Dissolved (mg/L)	0.001083	0.001429	0.0005	0.0005	0.001375	0.0005	0.004	6
Lead-Total (mg/L)	0.003	0.00559	0.0005	0.0005	0.00675	0.0005	0.013	5
Lead 210-Dissolved (pCi/L)	36.13333	18.18039	28.65	41.35	46.975		49.9	6
Lead 210-Suspended (pCi/L)	13.73333	7.893204	5.075	16.75	20.35	1.7	20.8	6
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	24.3	1.167904	23.5	24.5	25.2	22.3	25.5	6
Manganese-Dissolved (mg/L)	0.09	0.008944	0.08	0.09	0.1	0.08	0.1	6
Manganese-Total (mg/L)	0.088	0.008367	0.08	0.09	0.095	0.08	0.1	5
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Mercury-Total (mg/L)	0.000957	0.001796	0.00005	0.0005	0.0005	0.00005	0.005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Molybdenum-Total (mg/L)	0.032	0.024648	0.005	0.05	0.05	0.005	0.05	5
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nitrogen, Nitrate as N (mg/L)	0.045833	0.010206	0.04375	0.05	0.05	0.025	0.05	6
Nitrogen, Nitrite as N (mg/L)	0.045833	0.010206	0.04375	0.05	0.05	0.025	0.05	6

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #681								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Oxidation-Reduction Potential (mV)	175	99.14636	105	195	250		280	6
pH	7.975	0.116404	7.8825	7.985	8.0525	7.8	8.15	6
Polonium 210-Dissolved (pCi/L)	1.7	1.141928	0.675	1.4	2.825	0.6	3.5	6
Polonium 210-Suspended (pCi/L)	1.633333	1.091177	0.9	1.5	2.6		3.2	6
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	9.733333	0.377712	9.5	9.65	10.075	9.2	10.3	6
Radium 226-Dissolved (pCi/L)	412.6667	19.68417	399.5	417.5	425.75	377	434	6
Radium 226-Suspended (pCi/L)	2.95	3.588175	0.575	1.7	5.1	0.2	9.9	6
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	303374.3	175794.3	189811.5	321500	462000	246	462000	6
Selenium-Dissolved (mg/L)	0.0015	0.001095	0.0005	0.0015	0.0025	0.0005	0.0025	6
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Selenium-Total (mg/L)	0.0008	0.000671	0.0005	0.0005	0.00125	0.0005	0.002	5
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Silica-Dissolved (mg/L)	5.783333	1.913548	3.975	5.75	7.425	3.9	8.1	6
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Sodium-Dissolved (mg/L)	206	10.56409	195.75	207	214.25	192	221	6
Sodium Adsorption Ratio (SAR) (meq/L)	5.566667	0.163299	5.4	5.55	5.725	5.4	5.8	6
Solids-Total Dissolved Calculated (mg/L)	902	14.8054	889	902	912.5	883	926	6
Solids-Total Dissolved TDS @ 180 C (mg/L	908.3333	23.16607	887.5	905	932.5	880	940	6
Strontium-Total (mg.L)	1.22	0.083666	1.15	1.2	1.3	1.1	1.3	5
Sulfate (mg/L)	467.5	18.61988	449	465.5	483	449	498	6
TDS Balance (0.80 - 1.20) (dec.%)	1.008333	0.025626	0.985	1.01	1.0325	0.97	1.04	6
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Thorium 230-Dissolved (pCi/L)	0.083333	0.116905		0.05	0.15		0.3	6
Thorium 230-Suspended (pCi/L)	0.216667	0.248328	0.075	0.15	0.325		0.7	6
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Uranium-Dissolved (mg/L)	0.009917	0.000898	0.009425	0.00965	0.010275	0.0092	0.0117	6
Uranium-Suspended (mg/L)	0.000292	0.000347	0.00015	0.00015	0.000363	0.00015	0.001	6
Uranium-Total (mg/L)	0.0103	0.000332	0.01005	0.0102	0.0106	0.0099	0.0108	5
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Zinc-Dissolved (mg/L)	0.005833	0.002041	0.005	0.005	0.00625	0.005	0.01	6
Zinc-Total (mg/L)	0.006	0.002236	0.005	0.005	0.0075	0.005	0.01	5

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #688

Analyte	4/2/2008 18:07	4/22/2008 13:26	6/10/2008 16:37	6/30/2008 18:39
A/C Balance (± 5) (%)	-0.06	12.1	5.73	3.05
Alkalinity-Total as CaCO3 (mg/L)	98	90	100	136
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.5	0.1	0.1	0.2
Anions (meq/L)	11.3	10.2	10.6	11.5
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	0.002	0.001	0.002
Arsenic-Total (mg/L)	0.002	0.002	<0.002	0.003
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	12	76	107	156
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	25.8	50.1	34.1	40.4
Carbonate as CO3 (mg/L)	53	17	7	<5
Cations (meq/L)	11.3	13.1	11.9	12.3
Chloride (mg/L)	13	10	11	11
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1180	1070	1260	1140
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.4	0.5	0.5	0.6
Gross Alpha-Dissolved (pCi/L)	2.9	10.1	17.3	13.2
Gross Beta-Dissolved (pCi/L)	8.8	16.9	17.1	16.5
Gross Gamma-Dissolved (pCi/L)				1000
Iron-Dissolved (mg/L)	<0.03	<0.03	0.04	<0.03
Iron-Total (mg/L)	0.07	0.05	0.15	0.08
Lead 210-Dissolved (pCi/L)		-2.7	-0.5	-0.1
Lead 210-Suspended (pCi/L)	-0.4	-0.1	4.8	-2.3
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.003
Magnesium-Dissolved (mg/L)	13.6	20.5	16.6	19.2
Manganese-Dissolved (mg/L)	<0.01	0.06	0.02	0.02
Manganese-Total (mg/L)	0.03	0.01	0.01	0.02
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.0001	<0.0002
	<0.001	<0.001		
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.05	<0.1	<0.1

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #688

Analyte	4/2/2008 18:07	4/22/2008 13:26	6/10/2008 16:37	6/30/2008 18:39
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	110	280	180	220
pH	10.3	9.15	8.82	8.6
Polonium 210-Dissolved (pCi/L)	1	1.9		
Polonium 210-Suspended (pCi/L)	1	0.4	0.2	0.3
Potassium-Dissolved (mg/L)	16.8	12.2	12.5	12.9
Radium 226-Dissolved (pCi/L)	0.3	1.2	2.5	0.6
Radium 226-Suspended (pCi/L)	0.9	0.02	-0.3	-0.3
Radon 222-Total (pCi/L)	608	307	749	426
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	0.003
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.9	3.7	3.7	3.8
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	7.6	5.9	6.9	6.2
Sodium-Dissolved (mg/L)	193	197	195	191
Solids-Total Dissolved Calculated (mg/L)	771	744	738	774
Solids-Total Dissolved TDS @ 180 C (mg/L)	690	690	740	770
Strontium-Total (mg.L)	1.2	1.2	1.1	1.1
Sulfate (mg/L)	428	390	398	407
TDS Balance (0.80 - 1.20) (dec.%)	0.89	0.92	1.01	0.99
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)				
Thorium 230-Suspended (pCi/L)	0.7	15.9	0.1	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	<0.0008	0.0147	<0.0003	<0.0003
Uranium-Total (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01	<0.01

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #688								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	5.205	5.169813	0.7175	4.39	10.5075	-0.06	12.1	4
Alkalinity-Total as CaCO3 (mg/L)	106	20.46135	92	99	127	90	136	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.225	0.189297	0.1	0.15	0.425	0.1	0.5	4
Anions (meq/L)	10.9	0.60553	10.3	10.95	11.45	10.2	11.5	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.0015	0.000577	0.001	0.0015	0.002	0.001	0.002	4
Arsenic-Total (mg/L)	0.002	0.000816	0.00125	0.002	0.00275	0.001	0.003	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Bicarbonate as HCO3 (mg/L)	87.75	60.29027	28	91.5	143.75	12	156	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	37.6	10.25638	27.875	37.25	47.675	25.8	50.1	4
Carbonate as CO3 (mg/L)	19.875	22.89969	3.625	12	44	2.5	53	4
Cation/Anion Balance (%)								
Cations (meq/L)	12.15	0.754983	11.45	12.1	12.9	11.3	13.1	4
Chloride (mg/L)	11.25	1.258306	10.25	11	12.5	10	13	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	1162.5	79.32003	1087.5	1160	1240	1070	1260	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.5	0.08165	0.425	0.5	0.575	0.4	0.6	4
Gross Alpha-Dissolved (pCi/L)	10.875	6.079679	4.7	11.65	16.275	2.9	17.3	4
Gross Beta-Dissolved (pCi/L)	14.825	4.024405	10.725	16.7	17.05	8.8	17.1	4
Gross Gamma-Dissolved (pCi/L)	250	500			750		1000	4
Iron-Dissolved (mg/L)	0.02125	0.0125	0.015	0.015	0.03375	0.015	0.04	4
Iron-Total (mg/L)	0.0875	0.043493	0.055	0.075	0.1325	0.05	0.15	4
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.00075	0.0005	0.0005	0.0005	0.00125	0.0005	0.0015	4
Lead 210-Dissolved (pCi/L)	-0.825	1.268529	-2.15	-0.3	-0.025	-2.7		4
Lead 210-Suspended (pCi/L)	0.5	3.02765	-1.825	-0.25	3.575	-2.3	4.8	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	17.475	3.05	14.35	17.9	20.175	13.6	20.5	4
Manganese-Dissolved (mg/L)	0.02625	0.023585	0.00875	0.02	0.05	0.005	0.06	4
Manganese-Total (mg/L)	0.0175	0.009574	0.01	0.015	0.0275	0.01	0.03	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000358	0.00022	0.0000875	0.0005	0.0005	0.00005	0.0005	6
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nitrogen, Nitrate as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #688								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	197.5	71.35592	127.5	200	265	110	280	4
pH	9.2175	0.756235	8.655	8.985	10.0125	8.6	10.3	4
Polonium 210-Dissolved (pCi/L)	0.725	0.914239		0.5	1.675		1.9	4
Polonium 210-Suspended (pCi/L)	0.475	0.359398	0.225	0.35	0.85	0.2	1	4
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	13.6	2.152518	12.275	12.7	15.825	12.2	16.8	4
Radium 226-Dissolved (pCi/L)	1.15	0.974679	0.375	0.9	2.175	0.3	2.5	4
Radium 226-Suspended (pCi/L)	0.08	0.567098	-0.3	-0.14	0.68	-0.3	0.9	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	522.5	195.2477	336.75	517	713.75	307	749	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.001125	0.00125	0.0005	0.0005	0.002375	0.0005	0.003	4
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	4.775	2.083867	3.7	3.75	6.875	3.7	7.9	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	194	2.581989	191.5	194	196.5	191	197	4
Sodium Adsorption Ratio (SAR) (meq/L)	6.65	0.759386	5.975	6.55	7.425	5.9	7.6	4
Solids-Total Dissolved Calculated (mg/L)	756.75	18.39157	739.5	757.5	773.25	738	774	4
Solids-Total Dissolved TDS @ 180 C (mg/L	722.5	39.47573	690	715	762.5	690	770	4
Strontium-Total (mg.L)	1.15	0.057735	1.1	1.15	1.2	1.1	1.2	4
Sulfate (mg/L)	405.75	16.37834	392	402.5	422.75	390	428	4
TDS Balance (0.80 - 1.20) (dec.%)	0.9525	0.056789	0.8975	0.955	1.005	0.89	1.01	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)								4
Thorium 230-Suspended (pCi/L)	4.175	7.822777	0.025	0.4	12.1		15.9	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Suspended (mg/L)	0.00385	0.007234	0.00015	0.000275	0.011125	0.00015	0.0147	4
Uranium-Total (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #689				
Analyte	3/30/2008 17:25	4/21/2008 19:50	5/28/2008 22:25	6/25/2008 18:18
A/C Balance (± 5) (%)	-4.96	3.98	2.36	2.76
Alkalinity-Total as CaCO3 (mg/L)	150	148	148	150
Aluminum-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	0.1	<0.1	<0.1
Anions (meq/L)	12	10.9	11.5	10.8
Antimony-Total (mg/L)	<0.003	0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	0.001	0.001	0.001
Arsenic-Total (mg/L)	<0.003	0.002	0.004	0.003
Barium-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	183	180	180	183
Boron-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	0.1	0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	43.8	48.5	49.2	46.7
Carbonate as CO3 (mg/L)	<5	5	<5	<5
Cations (meq/L)	10.8	11.8	12	11.4
Chloride (mg/L)	7	5	5	5
Chromium-Dissolved (mg/L)	<0.05	0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1080	1110	1010	1270
Copper-Dissolved (mg/L)	<0.01	0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	0.01	<0.01	<0.01
Fluoride (mg/L)	0.5	0.5	0.5	0.5
Gross Alpha-Dissolved (pCi/L)	64.3	25.5	34.9	36.5
Gross Beta-Dissolved (pCi/L)	21.2	13.2	12.2	15
Gross Gamma-Dissolved (pCi/L)	86		150	
Iron-Dissolved (mg/L)	<0.03	0.03	<0.03	<0.03
Iron-Total (mg/L)	0.72	0.52	1.33	1.15
Lead 210-Dissolved (pCi/L)	-31	-2.4	6.3	-6.5
Lead 210-Suspended (pCi/L)		-0.3	-2	1
Lead-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	0.001	<0.001	0.017
Magnesium-Dissolved (mg/L)	15.6	16.8	16.4	16
Manganese-Dissolved (mg/L)	0.03	0.04	0.04	0.04
Manganese-Total (mg/L)	0.06	0.06	0.08	0.07
Mercury-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	0.001	<0.0001	<0.0002
		0.001		
Molybdenum-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	0.05	<0.05	<0.05

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #689				
Analyte	**3/30/2008 17:25**	**4/21/2008 19:50**	**5/28/2008 22:25**	**6/25/2008 18:18**
Nitrogen, Nitrate as N (mg/L)	<0.1	0.05	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	190	300	210	150
pH	7.85	8.02	7.8	8.08
Polonium 210-Dissolved (pCi/L)	1.1	0.7	-0.4	
Polonium 210-Suspended (pCi/L)	0.6	0.6	0.2	0.1
Potassium-Dissolved (mg/L)	7.4	7.9	8.1	7.7
Radium 226-Dissolved (pCi/L)	7.9	4.2	5.7	5.5
Radium 226-Suspended (pCi/L)	2	0.02	0.5	-0.05
Radon 222-Total (pCi/L)	1950	1540	1390	2520
Selenium-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.7	8	4.6	4.3
Silver-Dissolved (mg/L)	<0.005	0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	0.005	<0.005	<0.005
odium Adsorption Ratio (SAR) (meq/l	5.4	5.7	5.8	5.6
Sodium-Dissolved (mg/L)	165	180	184	174
olids-Total Dissolved Calculated (mg/	771	744	764	718
ids-Total Dissolved TDS @ 180 C (m	720	760	730	700
Strontium-Total (mg.L)	0.9	1	1	1
Sulfate (mg/L)	421	374	400	366
TDS Balance (0.80 - 1.20) (dec.%)	0.93	1.02	0.95	0.98
Thallium-Total (mg/L)	<0.001	0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.2	0.1		
Thorium 230-Suspended (pCi/L)	0.2	0.3	0.4	0.4
Thorium 232-Dissolved (pCi/L)	<0.005	0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0032	0.0037	0.0043	0.0034
Uranium-Suspended (mg/L)	0.0005	0.0003	0.0004	0.0005
Uranium-Total (mg/L)	0.0041	0.004	0.0117	0.006
Vanadium-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	0.01	<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #689								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	1.035	4.055626	-3.13	2.56	3.675	-4.96	3.98	4
Alkalinity-Total as CaCO3 (mg/L)	149	1.154701	148	149	150	148	150	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	11.3	0.559762	10.825	11.2	11.875	10.8	12	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.000875	0.00025	0.000625	0.001	0.001	0.0005	0.001	4
Arsenic-Total (mg/L)	0.002625	0.001109	0.001625	0.0025	0.00375	0.0015	0.004	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Bicarbonate as HCO3 (mg/L)	181.5	1.732051	180	181.5	183	180	183	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	47.05	2.409011	44.525	47.6	49.025	43.8	49.2	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	11.5	0.52915	10.95	11.6	11.95	10.8	12	4
Chloride (mg/L)	5.5	1	5	5	6.5	5	7	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	1117.5	109.9621	1027.5	1095	1230	1010	1270	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.5		0.5	0.5	0.5	0.5	0.5	4
Gross Alpha-Dissolved (pCi/L)	40.3	16.71965	27.85	35.7	57.35	25.5	64.3	4
Gross Beta-Dissolved (pCi/L)	15.4	4.0365	12.45	14.1	19.65	12.2	21.2	4
Gross Gamma-Dissolved (pCi/L)	59	72.96575		43	134		150	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.93	0.374433	0.57	0.935	1.285	0.52	1.33	4
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.004625	0.00825	0.0005	0.0005	0.012875	0.0005	0.017	4
Lead 210-Dissolved (pCi/L)	-8.4	15.98395	-24.875	-4.45	4.125	-31	6.3	4
Lead 210-Suspended (pCi/L)	-0.325	1.24733	-1.575	-0.15	0.75	-2	1	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	16.2	0.516398	15.7	16.2	16.7	15.6	16.8	4
Manganese-Dissolved (mg/L)	0.0375	0.005	0.0325	0.04	0.04	0.03	0.04	4
Manganese-Total (mg/L)	0.0675	0.009574	0.06	0.065	0.0775	0.06	0.08	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nitrogen, Nitrate as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4

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Appendix 2.7-G - Groundwater Quality Data

Well #689								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	212.5	63.44289	160	200	277.5	150	300	4
pH	7.9375	0.13376	7.8125	7.935	8.065	7.8	8.08	4
Polonium 210-Dissolved (pCi/L)	0.35	0.675771	-0.3	0.35	1	-0.4	1.1	4
Polonium 210-Suspended (pCi/L)	0.375	0.262996	0.125	0.4	0.6	0.1	0.6	4
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	7.775	0.298608	7.475	7.8	8.05	7.4	8.1	4
Radium 226-Dissolved (pCi/L)	5.825	1.534872	4.525	5.6	7.35	4.2	7.9	4
Radium 226-Suspended (pCi/L)	0.6175	0.953533	-0.0325	0.26	1.625	-0.05	2	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1850	505.503	1427.5	1745	2377.5	1390	2520	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	6.15	1.970618	4.375	6.15	7.925	4.3	8	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	175.75	8.261356	167.25	177	183	165	184	4
Sodium Adsorption Ratio (SAR) (meq/L)	5.625	0.170783	5.45	5.65	5.775	5.4	5.8	4
Solids-Total Dissolved Calculated (mg/L)	749.25	23.76798	724.5	754	769.25	718	771	4
Solids-Total Dissolved TDS @ 180 C (mg/L	727.5	25	705	725	752.5	700	760	4
Strontium-Total (mg.L)	0.975	0.05	0.925	1	1	0.9	1	4
Sulfate (mg/L)	390.25	25.11805	368	387	415.75	366	421	4
TDS Balance (0.80 - 1.20) (dec.%)	0.97	0.039158	0.935	0.965	1.01	0.93	1.02	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)	0.075	0.095743		0.05	0.175		0.2	4
Thorium 230-Suspended (pCi/L)	0.325	0.095743	0.225	0.35	0.4	0.2	0.4	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00365	0.00048	0.00325	0.00355	0.00415	0.0032	0.0043	4
Uranium-Suspended (mg/L)	0.000388	0.000165	0.000213	0.00045	0.0005	0.00015	0.0005	4
Uranium-Total (mg/L)	0.00645	0.003619	0.004025	0.00505	0.010275	0.004	0.0117	4
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4

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Appendix 2.7-G - Groundwater Quality Data

Well #694					
Analyte	3/30/2008 10:11	4/21/2008 12:24	4/21/2008 12:30	5/21/2008 15:54	6/24/2008 15:16
A/C Balance (± 5) (%)	-1.48	3.2	4.23	6.92	6.22
Alkalinity-Total as CaCO3 (mg/L)	204	202	204	192	206
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	0.2	0.2	0.2	0.2
Anions (meq/L)	15.4	15	15	14.4	14.5
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	0.002	0.002	0.002	0.001
Arsenic-Total (mg/L)	0.005	0.002	0.002	0.004	<0.003
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	249	246	249	234	251
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	91.6	97	98.8	103	103
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	15	15.9	16.3	16.5	16.4
Chloride (mg/L)	11	9	9	9	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1370	1370	1380	1550	1400
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.3	0.2	0.2	0.3	0.3
Gross Alpha-Dissolved (pCi/L)	8.8	19.2	18.1	10.6	23.7
Gross Beta-Dissolved (pCi/L)	10.3	15.7	16.2	12.5	15
Gross Gamma-Dissolved (pCi/L)					
Iron-Dissolved (mg/L)	<0.03	0.05	<0.03	<0.03	<0.03
Iron-Total (mg/L)	0.18	0.14	0.12	0.16	0.14
Lead 210-Dissolved (pCi/L)	-9.8		-2.4	-2.3	-0.1
Lead 210-Suspended (pCi/L)			-2.2	1.4	4.8
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	35.4	37.6	38.4	38.6	37.1
Manganese-Dissolved (mg/L)	0.14	0.15	0.15	0.16	0.16
Manganese-Total (mg/L)	0.2	0.15	0.15	0.17	0.16
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.05	<0.05	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	280	360	350	210	140
pH	7.65	7.94	7.84	7.54	7.82
Polonium 210-Dissolved (pCi/L)	1.8	1.4	0.6	0.6	
Polonium 210-Suspended (pCi/L)	0.9	0.2	0.7	-0.1	
Potassium-Dissolved (mg/L)	12.3	13	13.5	13.1	13.6
Radium 226-Dissolved (pCi/L)	1.6	4.2	3.7	1.9	2.2
Radium 226-Suspended (pCi/L)	1	-0.4	-0.09	-0.2	-0.3

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Appendix 2.7-G - Groundwater Quality Data

Well #694					
Analyte	**3/30/2008 10:11**	**4/21/2008 12:24**	**4/21/2008 12:30**	**5/21/2008 15:54**	**6/24/2008 15:16**
Radon 222-Total (pCi/L)	313	251	250	619	611
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	8.1	8.4	8.3	4.7	4.6
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	3.7	3.8	3.9	3.8	3.9
Sodium-Dissolved (mg/L)	165	176	180	180	180
Solids-Total Dissolved Calculated (mg/L)	990	988	996	965	965
olids-Total Dissolved TDS @ 180 C (mg/	970	1000	990	970	960
Strontium-Total (mg.L)	2.7	2.8	2.8	3	2.9
Sulfate (mg/L)	531	512	511	493	486
TDS Balance (0.80 - 1.20) (dec.%)	0.98	1.01	1	1.01	1
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.2				0.1
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.3	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0005	0.0005	0.0006	0.0006	0.0006
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.0006	0.0006	0.0006	0.0006	0.0006
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	0.02	<0.01	<0.01	<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #694								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	3.818	3.317095	0.86	4.23	6.57	-1.48	6.92	5
Alkalinity-Total as CaCO3 (mg/L)	201.6	5.549775	197	204	205	192	206	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.2		0.2	0.2	0.2	0.2	0.2	5
Anions (meq/L)	14.86	0.409878	14.45	15	15.2	14.4	15.4	5
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	5
Arsenic-Dissolved (mg/L)	0.0018	0.000447	0.0015	0.002	0.002	0.001	0.002	5
Arsenic-Total (mg/L)	0.0029	0.001517	0.00175	0.002	0.0045	0.0015	0.005	5
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Beryllium-Total (mg/L)	0.0007	0.000447	0.0005	0.0005	0.001	0.0005	0.0015	5
Bicarbonate as HCO3 (mg/L)	245.8	6.83374	240	249	250	234	251	5
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Calcium-Dissolved (mg/L)	98.68	4.751	94.3	98.8	103	91.6	103	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	16.02	0.614003	15.45	16.3	16.45	15	16.5	5
Chloride (mg/L)	9.4	0.894427	9	9	10	9	11	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Conductivity @ 25 C (umhos/cm)	1414	77.00649	1370	1380	1475	1370	1550	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Fluoride (mg/L)	0.26	0.054772	0.2	0.3	0.3	0.2	0.3	5
Gross Alpha-Dissolved (pCi/L)	16.08	6.223102	9.7	18.1	21.45	8.8	23.7	5
Gross Beta-Dissolved (pCi/L)	13.94	2.482539	11.4	15	15.95	10.3	16.2	5
Gross Gamma-Dissolved (pCi/L)								5
Iron-Dissolved (mg/L)	0.022	0.015652	0.015	0.015	0.0325	0.015	0.05	5
Iron-Total (mg/L)	0.148	0.022804	0.13	0.14	0.17	0.12	0.18	5
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead 210-Dissolved (pCi/L)	-2.92	4.014598	-6.1	-2.3	-0.05	-9.8		5
Lead 210-Suspended (pCi/L)	0.8	2.580698	-1.1		3.1	-2.2	4.8	5
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	37.42	1.281405	36.25	37.6	38.5	35.4	38.6	5
Manganese-Dissolved (mg/L)	0.152	0.008367	0.145	0.15	0.16	0.14	0.16	5
Manganese-Total (mg/L)	0.166	0.020736	0.15	0.16	0.185	0.15	0.2	5
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.000379	0.000208	0.0001	0.0005	0.0005	0.00005	0.0005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nitrogen, Nitrate as N (mg/L)	0.04	0.013693	0.025	0.05	0.05	0.025	0.05	5
Nitrogen, Nitrite as N (mg/L)	0.04	0.013693	0.025	0.05	0.05	0.025	0.05	5

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #694								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	268	93.64828	175	280	355	140	360	5
pH	7.758	0.160375	7.595	7.82	7.89	7.54	7.94	5
Polonium 210-Dissolved (pCi/L)	0.88	0.715542	0.3	0.6	1.6		1.8	5
Polonium 210-Suspended (pCi/L)	0.34	0.439318	-0.05	0.2	0.8	-0.1	0.9	5
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	13.1	0.514782	12.65	13.1	13.55	12.3	13.6	5
Radium 226-Dissolved (pCi/L)	2.72	1.156287	1.75	2.2	3.95	1.6	4.2	5
Radium 226-Suspended (pCi/L)	0.002	0.569667	-0.35	-0.2	0.455	-0.4	1	5
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	408.8	189.9768	250.5	313	615	250	619	5
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-Total (mg/L)	0.0006	0.000224	0.0005	0.0005	0.00075	0.0005	0.001	5
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Silica-Dissolved (mg/L)	6.82	1.984187	4.65	8.1	8.35	4.6	8.4	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Sodium-Dissolved (mg/L)	176.2	6.496153	170.5	180	180	165	180	5
Sodium Adsorption Ratio (SAR) (meq/L)	3.82	0.083666	3.75	3.8	3.9	3.7	3.9	5
Solids-Total Dissolved Calculated (mg/L)	980.8	14.72073	965	988	993	965	996	5
olids-Total Dissolved TDS @ 180 C (mg/L	978	16.43168	965	970	995	960	1000	5
Strontium-Total (mg.L)	2.84	0.114018	2.75	2.8	2.95	2.7	3	5
Sulfate (mg/L)	506.6	17.70028	489.5	511	521.5	486	531	5
TDS Balance (0.80 - 1.20) (dec.%)	1	0.012247	0.99	1	1.01	0.98	1.01	5
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Thorium 230-Dissolved (pCi/L)	0.06	0.089443			0.15		0.2	5
Thorium 230-Suspended (pCi/L)	0.1	0.122474		0.1	0.2		0.3	5
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.00056	0.0000548	0.0005	0.0006	0.0006	0.0005	0.0006	5
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	5
Uranium-Total (mg/L)	0.0006		0.0006	0.0006	0.0006	0.0006	0.0006	5
Vanadium-Dissolved (mg/L)	0.06	0.022361	0.05	0.05	0.075	0.05	0.1	5
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Zinc-Total (mg/L)	0.008	0.006708	0.005	0.005	0.0125	0.005	0.02	5

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #695			
Analyte	4/22/2008 12:46	5/21/2008 14:45	6/24/2008 17:30
A/C Balance (± 5) (%)	2.68	1.68	7.98
Alkalinity-Total as CaCO3 (mg/L)	174	180	174
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	0.2	0.1
Anions (meq/L)	14.3	15	13
Antimony-Total (mg/L)	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	0.001	<0.001
Arsenic-Total (mg/L)	0.001	0.002	<0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	212	219	212
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	50.1	52.1	52.5
Carbonate as CO3 (mg/L)	<5	<5	<5
Cations (meq/L)	15.1	15.5	15.3
Chloride (mg/L)	11	11	11
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1370	1560	1380
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.4	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	29.4	25.6	39.7
Gross Beta-Dissolved (pCi/L)	6	8	11
Gross Gamma-Dissolved (pCi/L)		140	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03
Iron-Total (mg/L)	0.14	0.12	0.12
Lead 210-Dissolved (pCi/L)	-1.8	3.1	0.7
Lead 210-Suspended (pCi/L)	-2.1	-0.7	2.9
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	17.6	19.4	18.8
Manganese-Dissolved (mg/L)	0.08	0.09	0.08
Manganese-Total (mg/L)	0.08	0.09	0.08
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	0.06	<0.1	<0.1

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #695			
Analyte	**4/22/2008 12:46**	**5/21/2008 14:45**	**6/24/2008 17:30**
Nitrogen, Nitrite as N (mg/L)	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	290	190	120
pH	8.08	7.91	8.14
Polonium 210-Dissolved (pCi/L)	1.6	-0.3	0.1
Polonium 210-Suspended (pCi/L)	0.4	-0.2	
Potassium-Dissolved (mg/L)	8.4	8.8	8.7
Radium 226-Dissolved (pCi/L)	5	3.7	5.2
Radium 226-Suspended (pCi/L)	-0.4	-0.2	-0.1
Radon 222-Total (pCi/L)	1400	2090	2120
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	3.9	4.4	4.4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	7.8	7.6	7.5
Sodium-Dissolved (mg/L)	251	254	250
Solids-Total Dissolved Calculated (mg/L)	957	996	901
olids-Total Dissolved TDS @ 180 C (mg/	910	920	920
Strontium-Total (mg.L)	1	1	1
Sulfate (mg/L)	504	530	442
TDS Balance (0.80 - 1.20) (dec.%)	0.96	0.92	1.02
Thallium-Total (mg/L)	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)			
Thorium 230-Suspended (pCi/L)	0.3		
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0029	0.0029	0.0027
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.0032	0.0029	0.0027
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #695								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	4.113333	3.385754	1.68	2.68	7.98	1.68	7.98	3
Alkalinity-Total as CaCO3 (mg/L)	176	3.464102	174	174	180	174	180	3
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Ammonia (mg/L)	0.166667	0.057735	0.1	0.2	0.2	0.1	0.2	3
Anions (meq/L)	14.1	1.014889	13	14.3	15	13	15	3
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	3
Arsenic-Dissolved (mg/L)	0.000833	0.000289	0.0005	0.001	0.001	0.0005	0.001	3
Arsenic-Total (mg/L)	0.001167	0.000764	0.0005	0.001	0.002	0.0005	0.002	3
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Beryllium-Total (mg/L)	0.000833	0.000577	0.0005	0.0005	0.0015	0.0005	0.0015	3
Bicarbonate as HCO3 (mg/L)	214.3333	4.041452	212	212	219	212	219	3
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Calcium-Dissolved (mg/L)	51.56667	1.28582	50.1	52.1	52.5	50.1	52.5	3
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	3
Cation/Anion Balance (%)								
Cations (meq/L)	15.3	0.2	15.1	15.3	15.5	15.1	15.5	3
Chloride (mg/L)	11		11	11	11	11	11	3
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Conductivity @ 25 C (umhos/cm)	1436.667	106.9268	1370	1380	1560	1370	1560	3
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Fluoride (mg/L)	0.4		0.4	0.4	0.4	0.4	0.4	3
Gross Alpha-Dissolved (pCi/L)	31.56667	7.295432	25.6	29.4	39.7	25.6	39.7	3
Gross Beta-Dissolved (pCi/L)	8.333333	2.516611	6	8	11	6	11	3
Gross Gamma-Dissolved (pCi/L)	46.66667	80.82904			140		140	3
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	3
Iron-Total (mg/L)	0.126667	0.011547	0.12	0.12	0.14	0.12	0.14	3
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Lead 210-Dissolved (pCi/L)	0.666667	2.45017	-1.8	0.7	3.1	-1.8	3.1	3
Lead 210-Suspended (pCi/L)	0.033333	2.579406	-2.1	-0.7	2.9	-2.1	2.9	3
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	18.6	0.916515	17.6	18.8	19.4	17.6	19.4	3
Manganese-Dissolved (mg/L)	0.083333	0.005774	0.08	0.08	0.09	0.08	0.09	3
Manganese-Total (mg/L)	0.083333	0.005774	0.08	0.08	0.09	0.08	0.09	3
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Mercury-Total (mg/L)	0.000288	0.000246	0.0000625	0.0003	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Nitrogen, Nitrate as N (mg/L)	0.053333	0.005774	0.05	0.05	0.06	0.05	0.06	3
Nitrogen, Nitrite as N (mg/L)	0.041667	0.014434	0.025	0.05	0.05	0.025	0.05	3

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #695								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Oxidation-Reduction Potential (mV)	200	85.44004	120	190	290	120	290	3
pH	8.043333	0.119304	7.91	8.08	8.14	7.91	8.14	3
Polonium 210-Dissolved (pCi/L)	0.466667	1.001665	-0.3	0.1	1.6	-0.3	1.6	3
Polonium 210-Suspended (pCi/L)	0.066667	0.305505	-0.2		0.4	-0.2	0.4	3
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	8.633333	0.208167	8.4	8.7	8.8	8.4	8.8	3
Radium 226-Dissolved (pCi/L)	4.633333	0.814453	3.7	5	5.2	3.7	5.2	3
Radium 226-Suspended (pCi/L)	-0.23333	0.152753	-0.4	-0.2	-0.1	-0.4	-0.1	3
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1870	407.3082	1400	2090	2120	1400	2120	3
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.000667	0.000289	0.0005	0.0005	0.001	0.0005	0.001	3
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	4.233333	0.288675	3.9	4.4	4.4	3.9	4.4	3
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Sodium-Dissolved (mg/L)	251.6667	2.081666	250	251	254	250	254	3
Sodium Adsorption Ratio (SAR) (meq/L)	7.633333	0.152753	7.5	7.6	7.8	7.5	7.8	3
Solids-Total Dissolved Calculated (mg/L)	951.3333	47.75284	901	957	996	901	996	3
olids-Total Dissolved TDS @ 180 C (mg/L	916.6667	5.773503	910	920	920	910	920	3
Strontium-Total (mg.L)	1		1	1	1	1	1	3
Sulfate (mg/L)	492	45.21062	442	504	530	442	530	3
TDS Balance (0.80 - 1.20) (dec.%)	0.966667	0.050332	0.92	0.96	1.02	0.92	1.02	3
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Thorium 230-Dissolved (pCi/L)								3
Thorium 230-Suspended (pCi/L)	0.1	0.173205			0.3		0.3	3
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Uranium-Dissolved (mg/L)	0.002833	0.000115	0.0027	0.0029	0.0029	0.0027	0.0029	3
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	3
Uranium-Total (mg/L)	0.002933	0.000252	0.0027	0.0029	0.0032	0.0027	0.0032	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #696				
Analyte	3/31/2008 13:41	4/22/2008 16:58	5/21/2008 11:55	6/24/2008 15:08
A/C Balance (± 5) (%)	0.93	5.13	3.21	7.89
Alkalinity-Total as CaCO3 (mg/L)	184	182	182	174
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.4	0.4	0.4	0.4
Anions (meq/L)	14	13.9	14.5	13.3
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	0.001	<0.001	<0.001
Arsenic-Total (mg/L)	0.003	0.002	0.002	<0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	215	222	222	212
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	28	29.9	31	31.6
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	14.3	15.4	15.5	15.6
Chloride (mg/L)	15	12	12	12
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1440	1410	1420	1390
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	3.9	5.2	14.3	23.9
Gross Beta-Dissolved (pCi/L)	-2.1	10.7	9	9.9
Gross Gamma-Dissolved (pCi/L)				
Iron-Dissolved (mg/L)	<0.03	0.07	0.09	0.1
Iron-Total (mg/L)	0.04	0.08	0.1	0.67
Lead 210-Dissolved (pCi/L)	-11.2	-4.9	-2.7	-5.3
Lead 210-Suspended (pCi/L)			2.1	5.6
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	10	10.4	10.9	11.1
Manganese-Dissolved (mg/L)	0.05	0.06	0.07	0.07
Manganese-Total (mg/L)	0.05	0.06	0.07	0.07
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.05	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.1	<0.1

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Appendix 2.7-G - Groundwater Quality Data

Well #696				
Analyte	**3/31/2008 13:41**	**4/22/2008 16:58**	**5/21/2008 11:55**	**6/24/2008 15:08**
Oxidation-Reduction Potential (mV)	170	200	120	99
pH	8.71	8.47	8.35	8.29
Polonium 210-Dissolved (pCi/L)	0.6	0.9	-0.2	0.2
Polonium 210-Suspended (pCi/L)	0.5	0.6		0.5
Potassium-Dissolved (mg/L)	9.7	9.3	9.2	9.4
Radium 226-Dissolved (pCi/L)	1	0.5	1.8	3.3
Radium 226-Suspended (pCi/L)	0.6	-0.2	-0.1	-0.4
Radon 222-Total (pCi/L)	190	185	497	517
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	8.1	4.4	4.7	5
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	11	12	12	12
Sodium-Dissolved (mg/L)	270	293	294	295
Solids-Total Dissolved Calculated (mg/L)	941	951	984	934
Solids-Total Dissolved TDS @ 180 C (mg/L)	880	930	930	920
Strontium-Total (mg.L)	0.7	0.8	0.8	0.8
Sulfate (mg/L)	475	475	505	456
TDS Balance (0.80 - 1.20) (dec.%)	0.94	0.98	0.94	0.99
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)				
Thorium 230-Suspended (pCi/L)	0.2	0.2	0.1	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01	<0.01

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Appendix 2.7-G - Groundwater Quality Data

Well #696								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	4.29	2.950797	1.5	4.17	7.2	0.93	7.89	4
Alkalinity-Total as CaCO3 (mg/L)	180.5	4.434712	176	182	183.5	174	184	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.4		0.4	0.4	0.4	0.4	0.4	4
Anions (meq/L)	13.925	0.492443	13.45	13.95	14.375	13.3	14.5	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.001	0.000707	0.0005	0.00075	0.00175	0.0005	0.002	4
Arsenic-Total (mg/L)	0.002	0.000816	0.00125	0.002	0.00275	0.001	0.003	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Beryllium-Total (mg/L)	0.00075	0.0005	0.0005	0.0005	0.00125	0.0005	0.0015	4
Bicarbonate as HCO3 (mg/L)	217.75	5.057997	212.75	218.5	222	212	222	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	30.125	1.581929	28.475	30.45	31.45	28	31.6	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	15.2	0.60553	14.575	15.45	15.575	14.3	15.6	4
Chloride (mg/L)	12.75	1.5	12	12	14.25	12	15	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	1415	20.81666	1395	1415	1435	1390	1440	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.35	0.057735	0.3	0.35	0.4	0.3	0.4	4
Gross Alpha-Dissolved (pCi/L)	11.825	9.284889	4.225	9.75	21.5	3.9	23.9	4
Gross Beta-Dissolved (pCi/L)	6.875	6.023496	0.675	9.45	10.5	-2.1	10.7	4
Gross Gamma-Dissolved (pCi/L)								4
Iron-Dissolved (mg/L)	0.06875	0.037942	0.02875	0.08	0.0975	0.015	0.1	4
Iron-Total (mg/L)	0.2225	0.299374	0.05	0.09	0.5275	0.04	0.67	4
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead 210-Dissolved (pCi/L)	-6.025	3.634442	-9.725	-5.1	-3.25	-11.2	-2.7	4
Lead 210-Suspended (pCi/L)	1.925	2.642442		1.05	4.725		5.6	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	10.6	0.496655	10.1	10.65	11.05	10	11.1	4
Manganese-Dissolved (mg/L)	0.0625	0.009574	0.0525	0.065	0.07	0.05	0.07	4
Manganese-Total (mg/L)	0.0625	0.009574	0.0525	0.065	0.07	0.05	0.07	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000283	0.000238	0.00005	0.0003	0.0005	0.00005	0.0005	6
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nitrogen, Nitrate as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4

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Appendix 2.7-G - Groundwater Quality Data

Well #696								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Oxidation-Reduction Potential (mV)	147.25	46.08235	104.25	145	192.5	99	200	4
pH	8.455	0.185742	8.305	8.41	8.65	8.29	8.71	4
Polonium 210-Dissolved (pCi/L)	0.375	0.478714	-0.1	0.4	0.825	-0.2	0.9	4
Polonium 210-Suspended (pCi/L)	0.4	0.270801	0.125	0.5	0.575		0.6	4
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	9.4	0.216025	9.225	9.35	9.625	9.2	9.7	4
Radium 226-Dissolved (pCi/L)	1.65	1.223383	0.625	1.4	2.925	0.5	3.3	4
Radium 226-Suspended (pCi/L)	-0.025	0.434933	-0.35	-0.15	0.425	-0.4	0.6	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	347.25	184.6553	186.25	343.5	512	185	517	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	5.55	1.717556	4.475	4.85	7.325	4.4	8.1	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	288	12.02775	275.75	293.5	294.75	270	295	4
Sodium Adsorption Ratio (SAR) (meq/L)	11.75	0.5	11.25	12	12	11	12	4
Solids-Total Dissolved Calculated (mg/L)	952.5	22.12841	935.75	946	975.75	934	984	4
olids-Total Dissolved TDS @ 180 C (mg/L	915	23.80476	890	925	930	880	930	4
Strontium-Total (mg.L)	0.775	0.05	0.725	0.8	0.8	0.7	0.8	4
Sulfate (mg/L)	477.75	20.25463	460.75	475	497.5	456	505	4
TDS Balance (0.80 - 1.20) (dec.%)	0.9625	0.0263	0.94	0.96	0.9875	0.94	0.99	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)								4
Thorium 230-Suspended (pCi/L)	0.125	0.095743	0.025	0.15	0.2		0.2	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4

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Appendix 2.7-G - Groundwater Quality Data

Well #697					
Analyte	3/30/2008 16:36	3/31/2008 16:31	4/22/2008 16:02	5/21/2008 16:44	6/24/2008 18:20
A/C Balance (± 5) (%)	-1.53	1.52	3.91	2.35	6.52
Alkalinity-Total as CaCO3 (mg/L)	166	176	166	168	168
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.1	0.2	0.2	0.1	0.1
Anions (meq/L)	13	13.9	12.5	13.1	12.1
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	0.001	0.002	0.002
Arsenic-Total (mg/L)	<0.003	0.002	0.002	0.002	0.003
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	0.2
Beryllium-Total (mg/L)	<0.001	<0.005	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	202	215	202	205	205
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.001	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	49.2	48	50.6	52.8	53.4
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	12.6	14.3	13.5	13.7	13.8
Chloride (mg/L)	10	14	8	8	8
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1250	1390	1230	1380	1230
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.5	0.4	0.5	0.5	0.5
Gross Alpha-Dissolved (pCi/L)	6.1	52.2	8.4	4.1	11.9
Gross Beta-Dissolved (pCi/L)	6.8	16.1	8.4	5.4	8.1
Gross Gamma-Dissolved (pCi/L)					
Iron-Dissolved (mg/L)	0.03	0.07	0.04	0.04	0.04
Iron-Total (mg/L)	0.06	0.11	0.05	0.04	0.08
Lead 210-Dissolved (pCi/L)	-23	-12.4	-0.7	-4.3	0.5
Lead 210-Suspended (pCi/L)	-2.8				2.9
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	16.9	17.8	17.3	18	17.7
Manganese-Dissolved (mg/L)	0.05	0.07	0.05	0.06	0.06
Manganese-Total (mg/L)	0.05	0.08	0.06	0.06	0.06
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.05	<0.1	0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	200	230	320	200	140
pH	7.83	8.16	8.07	7.9	8.25
Polonium 210-Dissolved (pCi/L)	1.1	1.1			-0.1
Polonium 210-Suspended (pCi/L)	0.9	0.6		1.2	
Potassium-Dissolved (mg/L)	8.1	8.7	8.5	8.5	8.8
Radium 226-Dissolved (pCi/L)	1.5	6.3	1.7	1.1	0.8
Radium 226-Suspended (pCi/L)	0.6	0.6	-0.1	3.8	-0.4
Radon 222-Total (pCi/L)	323	1400	284	570	413
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0.001	<0.001	<0.001	<0.001	0.005
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.4	7.4	4	4.6	4.6

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Appendix 2.7-G - Groundwater Quality Data

Well #697					
Analyte	3/30/2008 16:36	3/31/2008 16:31	4/22/2008 16:02	5/21/2008 16:44	6/24/2008 18:20
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	6.2	7.3	6.6	6.5	6.6
Sodium-Dissolved (mg/L)	197	234	215	216	218
Solids-Total Dissolved Calculated (mg/L)	853	925	840	873	829
Solids-Total Dissolved TDS @ 180 C (mg/L)	800	870	810	790	810
Strontium-Total (mg.L)	1.1	0.9	1.3	1.2	1.2
Sulfate (mg/L)	452	476	430	456	409
TDS Balance (0.80 - 1.20) (dec.%)	0.93	0.94	0.97	0.91	0.97
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.4				
Thorium 230-Suspended (pCi/L)	0.1	0.1	0.1	0.3	0.2
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	0.003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	0.0007	<0.0003
Uranium-Total (mg/L)	<0.0003	0.0031	<0.0003	<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01	0.01	<0.01

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #697								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	2.554	2.973118	-0.005	2.35	5.215	-1.53	6.52	5
Alkalinity-Total as CaCO3 (mg/L)	168.8	4.147288	166	168	172	166	176	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.14	0.054772	0.1	0.1	0.2	0.1	0.2	5
Anions (meq/L)	12.92	0.679706	12.3	13	13.5	12.1	13.9	5
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	5
Arsenic-Dissolved (mg/L)	0.0013	0.000671	0.00075	0.001	0.002	0.0005	0.002	5
Arsenic-Total (mg/L)	0.0021	0.000548	0.00175	0.002	0.0025	0.0015	0.003	5
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.08	0.067082	0.05	0.05	0.125	0.05	0.2	5
Beryllium-Total (mg/L)	0.0011	0.000894	0.0005	0.0005	0.002	0.0005	0.0025	5
Bicarbonate as HCO3 (mg/L)	205.8	5.357238	202	205	210	202	215	5
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0021	0.000894	0.0015	0.0025	0.0025	0.0005	0.0025	5
Calcium-Dissolved (mg/L)	50.8	2.302173	48.6	50.6	53.1	48	53.4	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	13.58	0.622093	13.05	13.7	14.05	12.6	14.3	5
Chloride (mg/L)	9.6	2.607681	8	8	12	8	14	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Conductivity @ 25 C (umhos/cm)	1296	81.73127	1230	1250	1385	1230	1390	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Fluoride (mg/L)	0.48	0.044721	0.45	0.5	0.5	0.4	0.5	5
Gross Alpha-Dissolved (pCi/L)	16.54	20.1443	5.1	8.4	32.05	4.1	52.2	5
Gross Beta-Dissolved (pCi/L)	8.96	4.164493	6.1	8.1	12.25	5.4	16.1	5
Gross Gamma-Dissolved (pCi/L)								5
Iron-Dissolved (mg/L)	0.044	0.015166	0.035	0.04	0.055	0.03	0.07	5
Iron-Total (mg/L)	0.068	0.027749	0.045	0.06	0.095	0.04	0.11	5
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead 210-Dissolved (pCi/L)	-7.98	9.792701	-17.7	-4.3	-0.1	-23	0.5	5
Lead 210-Suspended (pCi/L)	0.02	2.01544	-1.4		1.45	-2.8	2.9	5
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	17.54	0.439318	17.1	17.7	17.9	16.9	18	5
Manganese-Dissolved (mg/L)	0.058	0.008367	0.05	0.06	0.065	0.05	0.07	5
Manganese-Total (mg/L)	0.062	0.010954	0.055	0.06	0.07	0.05	0.08	5
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.000314	0.000232	0.00005	0.0005	0.0005	0.00005	0.0005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nitrogen, Nitrate as N (mg/L)	0.055	0.027386	0.0375	0.05	0.075	0.025	0.1	5
Nitrogen, Nitrite as N (mg/L)	0.045	0.01118	0.0375	0.05	0.05	0.025	0.05	5

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #697								
Analyte	**Mean**	**StDev**	**Q1**	**Median**	**Q3**	**Minimum**	**Maximum**	**n**
Oxidation-Reduction Potential (mV)	218	65.72671	170	200	275	140	320	5
pH	8.042	0.175414	7.865	8.07	8.205	7.83	8.25	5
Polonium 210-Dissolved (pCi/L)	0.42	0.622093	-0.05		1.1	-0.1	1.1	5
Polonium 210-Suspended (pCi/L)	0.54	0.536656		0.6	1.05		1.2	5
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	8.52	0.268328	8.3	8.5	8.75	8.1	8.8	5
Radium 226-Dissolved (pCi/L)	2.28	2.274203	0.95	1.5	4	0.8	6.3	5
Radium 226-Suspended (pCi/L)	0.9	1.679286	-0.25	0.6	2.2	-0.4	3.8	5
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	598	461.6368	303.5	413	985	284	1400	5
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-Total (mg/L)	0.0015	0.001969	0.0005	0.0005	0.003	0.0005	0.005	5
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Silica-Dissolved (mg/L)	5.6	1.661325	4.3	4.6	7.4	4	7.4	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Sodium-Dissolved (mg/L)	216	13.13393	206	216	226	197	234	5
Sodium Adsorption Ratio (SAR) (meq/L)	6.64	0.403733	6.35	6.6	6.95	6.2	7.3	5
Solids-Total Dissolved Calculated (mg/L)	864	37.82856	834.5	853	899	829	925	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	816	31.30495	795	810	840	790	870	5
Strontium-Total (mg.L)	1.14	0.151658	1	1.2	1.25	0.9	1.3	5
Sulfate (mg/L)	444.6	25.7449	419.5	452	466	409	476	5
TDS Balance (0.80 - 1.20) (dec.%)	0.944	0.026077	0.92	0.94	0.97	0.91	0.97	5
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Thorium 230-Dissolved (pCi/L)	0.08	0.178885			0.2		0.4	5
Thorium 230-Suspended (pCi/L)	0.16	0.089443	0.1	0.1	0.25	0.1	0.3	5
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.00072	0.001275	0.00015	0.00015	0.001575	0.00015	0.003	5
Uranium-Suspended (mg/L)	0.00026	0.000246	0.00015	0.00015	0.000425	0.00015	0.0007	5
Uranium-Total (mg/L)	0.00074	0.001319	0.00015	0.00015	0.001625	0.00015	0.0031	5
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Zinc-Total (mg/L)	0.006	0.002236	0.005	0.005	0.0075	0.005	0.01	5

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #698						
Analyte	3/30/2008 14:04	3/30/2008 14:10	4/22/2008 11:30	5/28/2008 12:35	5/28/2008 12:45	6/24/2008 11:55
A/C Balance (± 5) (%)	2.58	-1.6	0.92	9.13	5.02	3.88
Alkalinity-Total as CaCO3 (mg/L)	124	122	120	114	118	114
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.1	0.1	0.2	0.2	0.2	0.1
Anions (meq/L)	29.9	32.6	32.8	28.9	30.9	33.1
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)	0.004	0.003	<0.001	0.002	0.003	0.005
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	151	149	146	139	144	139
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.2	0.1	<0.1
Boron-Total (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
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	338	340	366	382	375	393
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5	<5
Cations (meq/L)	31.4	31.6	33.4	34.8	34.2	35.8
Chloride (mg/L)	12	11	9	9	9	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2390	2400	2420	2280	2460	2530
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.2	0.3	0.3	0.5	0.6	0.3
Gross Alpha-Dissolved (pCi/L)	1750	1880	2110	1210	1390	1790
Gross Beta-Dissolved (pCi/L)	657	659	604	380	383	470
Gross Gamma-Dissolved (pCi/L)	790	840	680	4100	3500	170
Iron-Dissolved (mg/L)	1.56	1.58	2.49	1.69	1.56	1.6
Iron-Total (mg/L)	4.06	3.99	4.53	4.6	4.88	5.48
Lead 210-Dissolved (pCi/L)	-14	-9.6	-3.5	5.5	9.4	-1.7
Lead 210-Suspended (pCi/L)				2.6	9	7.4
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Magnesium-Dissolved (mg/L)	125	126	129	137	135	141
Manganese-Dissolved (mg/L)	2.18	2.22	2.39	2.31	2.23	2.56
Manganese-Total (mg/L)	2.31	2.29	2.5	2.32	2.45	2.66
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (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
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	0.09	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)	280	190	110	200	220	94
pH	6.91	6.91	7.15	6.78	6.75	7.09
Polonium 210-Dissolved (pCi/L)	1	1.3	1.4	0.2		1.1
Polonium 210-Suspended (pCi/L)	1.2	0.8	-0.2	1.4	1.3	1.2
Potassium-Dissolved (mg/L)	14.6	14.4	15.6	15.5	15.4	15.9
Radium 226-Dissolved (pCi/L)	387	398	370	413	412	429
Radium 226-Suspended (pCi/L)	15.3	12.4	6.4	14	13.5	11.6
Radon 222-Total (pCi/L)	32200	29400	25800	25600	22400	40700
Selenium-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0.002	0.002	<0.001	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	9.5	9.5	4.8	5.2	5.1	5.5
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	1	0.98	1	0.98	0.98	0.98
Sodium-Dissolved (mg/L)	84.6	83.7	89	88	87	89
Solids-Total Dissolved Calculated (mg/L)	1970	2110	2140	1980	2060	2200
Solids-Total Dissolved TDS @ 180 C (mg/L)	2200	2200	2300	2200	2100	2100
Strontium-Total (mg.L)	4.9	4.8	5.2	4.8	5	5.2

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #698						
Analyte	**3/30/2008 14:04**	**3/30/2008 14:10**	**4/22/2008 11:30**	**5/28/2008 12:35**	**5/28/2008 12:45**	**6/24/2008 11:55**
Sulfate (mg/L)	1300	1430	1450	1270	1360	1470
TDS Balance (0.80 - 1.20) (dec.%)	1.13	1.07	1.05	1.09	1.04	0.97
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)		-0.1				
Thorium 230-Suspended (pCi/L)	0.4	0.3	0.2	0.7	0.5	0.7
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.109	0.109	0.11	0.101	0.103	0.104
Uranium-Suspended (mg/L)	0.0024	0.0024	0.0006	0.0038	0.0032	0.0043
Uranium-Total (mg/L)	0.123	0.122	0.119	0.116	0.119	0.113
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.01	<0.01	<0.01	<0.01	<0.01	0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	0.01

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #698								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	3.321667	3.673518	0.29	3.23	6.0475	-1.6	9.13	6
Alkalinity-Total as CaCO3 (mg/L)	118.6667	4.131182	114	119	122.5	114	124	6
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Ammonia (mg/L)	0.15	0.054772	0.1	0.15	0.2	0.1	0.2	6
Anions (meq/L)	31.36667	1.733974	29.65	31.75	32.875	28.9	33.1	6
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	6
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Arsenic-Total (mg/L)	0.002917	0.001563	0.001625	0.003	0.00425	0.0005	0.005	6
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Bicarbonate as HCO3 (mg/L)	144.6667	5.006662	139	145	149.5	139	151	6
Boron-Dissolved (mg/L)	0.083333	0.060553	0.05	0.05	0.125	0.05	0.2	6
Boron-Total (mg/L)	0.058333	0.020412	0.05	0.05	0.0625	0.05	0.1	6
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Calcium-Dissolved (mg/L)	365.6667	22.47369	339.5	370.5	384.75	338	393	6
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	6
Cation/Anion Balance (%)								
Cations (meq/L)	33.53333	1.760303	31.55	33.8	35.05	31.4	35.8	6
Chloride (mg/L)	9.833333	1.32916	9	9	11.25	9	12	6
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Conductivity @ 25 C (umhos/cm)	2413.333	82.86535	2362.5	2410	2477.5	2280	2530	6
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	6
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	6
Fluoride (mg/L)	0.366667	0.150555	0.275	0.3	0.525	0.2	0.6	6
Gross Alpha-Dissolved (pCi/L)	1688.333	330.6005	1345	1770	1937.5	1210	2110	6
Gross Beta-Dissolved (pCi/L)	525.5	131.0218	382.25	537	657.5	380	659	6
Gross Gamma-Dissolved (pCi/L)	1680	1670.126	552.5	815	3650	170	4100	6
Iron-Dissolved (mg/L)	1.746667	0.367351	1.56	1.59	1.89	1.56	2.49	6
Iron-Total (mg/L)	4.59	0.551507	4.0425	4.565	5.03	3.99	5.48	6
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Lead-Total (mg/L)	0.000583	0.000204	0.0005	0.0005	0.000625	0.0005	0.001	6
Lead 210-Dissolved (pCi/L)	-2.31667	8.828458	-10.7	-2.6	6.475	-14	9.4	6
Lead 210-Suspended (pCi/L)	3.166667	4.058407		1.3	7.8		9	6
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	132.1667	6.462714	125.75	132	138	125	141	6
Manganese-Dissolved (mg/L)	2.315	0.141527	2.21	2.27	2.4325	2.18	2.56	6
Manganese-Total (mg/L)	2.421667	0.144141	2.305	2.385	2.54	2.29	2.66	6
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Mercury-Total (mg/L)	0.000314	0.000232	0.00005	0.0005	0.0005	0.00005	0.0005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #698								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Nitrogen, Nitrate as N (mg/L)	0.056667	0.01633	0.05	0.05	0.06	0.05	0.09	6
Nitrogen, Nitrite as N (mg/L)	0.045833	0.010206	0.04375	0.05	0.05	0.025	0.05	6
Oxidation-Reduction Potential (mV)	182.3333	69.80449	106	195	235	94	280	6
pH	6.931667	0.161049	6.7725	6.91	7.105	6.75	7.15	6
Polonium 210-Dissolved (pCi/L)	0.833333	0.588784	0.15	1.05	1.325		1.4	6
Polonium 210-Suspended (pCi/L)	0.95	0.599166	0.55	1.2	1.325	-0.2	1.4	6
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	15.23333	0.595539	14.55	15.45	15.675	14.4	15.9	6
Radium 226-Dissolved (pCi/L)	401.5	21.04044	382.75	405	417	370	429	6
Radium 226-Suspended (pCi/L)	12.2	3.11705	10.3	12.95	14.325	6.4	15.3	6
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	29350	6510.223	24800	27600	34325	22400	40700	6
Selenium-Dissolved (mg/L)	0.000583	0.000204	0.0005	0.0005	0.000625	0.0005	0.001	6
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Selenium-Total (mg/L)	0.001083	0.000736	0.0005	0.00075	0.002	0.0005	0.002	6
Selenium-VI-Dissolved (mg/L)	0.000583	0.000204	0.0005	0.0005	0.000625	0.0005	0.001	6
Silica-Dissolved (mg/L)	6.6	2.257432	5.025	5.35	9.5	4.8	9.5	6
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Sodium-Dissolved (mg/L)	86.88333	2.261342	84.375	87.5	89	83.7	89	6
Sodium Adsorption Ratio (SAR) (meq/L)	0.986667	0.010328	0.98	0.98	1	0.98	1	6
Solids-Total Dissolved Calculated (mg/L)	2076.667	90.92121	1977.5	2085	2155	1970	2200	6
Solids-Total Dissolved TDS @ 180 C (mg/L)	2183.333	75.27727	2100	2200	2225	2100	2300	6
Strontium-Total (mg.L)	4.983333	0.183485	4.8	4.95	5.2	4.8	5.2	6
Sulfate (mg/L)	1380	82.94577	1292.5	1395	1455	1270	1470	6
TDS Balance (0.80 - 1.20) (dec.%)	1.058333	0.053821	1.0225	1.06	1.1	0.97	1.13	6
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Thorium 230-Dissolved (pCi/L)	-0.01667	0.040825	-0.025			-0.1		6
Thorium 230-Suspended (pCi/L)	0.466667	0.206559	0.275	0.45	0.7	0.2	0.7	6
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Uranium-Dissolved (mg/L)	0.106	0.003795	0.1025	0.1065	0.10925	0.101	0.11	6
Uranium-Suspended (mg/L)	0.002783	0.001309	0.00195	0.0028	0.003925	0.0006	0.0043	6
Uranium-Total (mg/L)	0.118667	0.003724	0.11525	0.119	0.12225	0.113	0.123	6
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Zinc-Dissolved (mg/L)	0.006667	0.002582	0.005	0.005	0.01	0.005	0.01	6
Zinc-Total (mg/L)	0.005833	0.002041	0.005	0.005	0.00625	0.005	0.01	6

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #3026				
Analyte	3/30/2008 18:45	4/22/2008 14:30	5/28/2008 15:15	6/24/2008 20:06
A/C Balance (± 5) (%)	-2.96	3.12	5.9	1.44
Alkalinity-Total as CaCO3 (mg/L)	130	126	166	172
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	1.2	0.8	0.7	0.6
Anions (meq/L)	34.2	34.6	34.5	41.2
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.004	0.012	0.002	<0.001
Arsenic-Total (mg/L)	0.023	0.022	0.028	0.025
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	158	134	202	210
Boron-Dissolved (mg/L)	<0.1	<0.1	0.2	0.2
Boron-Total (mg/L)	<0.1	<0.1	0.1	0.2
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	284	331	407	461
Carbonate as CO3 (mg/L)	<5	10	<5	<5
Cations (meq/L)	32.2	36.8	38.8	42.4
Chloride (mg/L)	37	16	15	15
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2770	2730	2610	2970
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.6	0.4	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	47.6	43.8	92.4	116
Gross Beta-Dissolved (pCi/L)	21.1	24.4	28.3	33.9
Gross Gamma-Dissolved (pCi/L)				
Iron-Dissolved (mg/L)	0.1	2.67	0.23	0.04
Iron-Total (mg/L)	1.75	5.38	11.1	21.8
Lead 210-Dissolved (pCi/L)	<1		-0.7	-5.3
Lead 210-Suspended (pCi/L)	-3	-8.2	4	6.9
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	67.9	86.8	105	137
Manganese-Dissolved (mg/L)	0.42	0.36	0.82	1.42
Manganese-Total (mg/L)	0.13	0.46	0.87	1.46
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	0.2	0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	0.3	0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	0.1	0.09	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	200	240	210	85
pH	7.63	8.49	6.95	6.82
Polonium 210-Dissolved (pCi/L)	0.4	0.2		0.2
Polonium 210-Suspended (pCi/L)	1.9		-0.1	0.2

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Appendix 2.7-G - Groundwater Quality Data

Well #3026				
Analyte	**3/30/2008 18:45**	**4/22/2008 14:30**	**5/28/2008 15:15**	**6/24/2008 20:06**
Potassium-Dissolved (mg/L)	21.3	23.7	25.3	22.3
Radium 226-Dissolved (pCi/L)	3.6	2.8	9.6	4.7
Radium 226-Suspended (pCi/L)	3.3	0.1	1.2	-0.1
Radon 222-Total (pCi/L)	440	304	213	950
Selenium-Dissolved (mg/L)	0.006	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0.007	0.002	<0.001	0.005
Selenium-VI-Dissolved (mg/L)	0.006	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	5.7	2.1	2.3	1.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	3.7	3.6	2.4	1.8
Sodium-Dissolved (mg/L)	271	284	209	171
Solids-Total Dissolved Calculated (mg/L)	2240	2340	2340	2710
Solids-Total Dissolved TDS @ 180 C (mg/L)	2300	2300	2400	2700
Strontium-Total (mg.L)	4.8	6.3	7	7.4
Sulfate (mg/L)	1470	1520	1480	1790
TDS Balance (0.80 - 1.20) (dec.%)	1.03	0.99	1.03	1.01
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)		0.1	0.1	
Thorium 230-Suspended (pCi/L)	1	0.3	0.2	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0151	0.015	0.0281	0.0183
Uranium-Suspended (mg/L)	0.004	0.001	0.0013	0.0015
Uranium-Total (mg/L)	0.0097	0.0196	0.0322	0.0216
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.1
Zinc-Dissolved (mg/L)	<0.01	0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	0.01	0.01	0.01

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #3026								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	1.875	3.711114	-1.86	2.28	5.205	-2.96	5.9	4
Alkalinity-Total as CaCO3 (mg/L)	148.5	23.85372	127	148	170.5	126	172	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.825	0.262996	0.625	0.75	1.1	0.6	1.2	4
Anions (meq/L)	36.125	3.3876	34.275	34.55	39.55	34.2	41.2	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.004625	0.005121	0.000875	0.003	0.01	0.0005	0.012	4
Arsenic-Total (mg/L)	0.0245	0.002646	0.02225	0.024	0.02725	0.022	0.028	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Bicarbonate as HCO3 (mg/L)	176	36.14784	140	180	208	134	210	4
Boron-Dissolved (mg/L)	0.125	0.086603	0.05	0.125	0.2	0.05	0.2	4
Boron-Total (mg/L)	0.1	0.070711	0.05	0.075	0.175	0.05	0.2	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	370.75	78.66543	295.75	369	447.5	284	461	4
Carbonate as CO3 (mg/L)	4.375	3.75	2.5	2.5	8.125	2.5	10	4
Cation/Anion Balance (%)								
Cations (meq/L)	37.55	4.253234	33.35	37.8	41.5	32.2	42.4	4
Chloride (mg/L)	20.75	10.84358	15	15.5	31.75	15	37	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	2770	149.6663	2640	2750	2920	2610	2970	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.45	0.1	0.4	0.4	0.55	0.4	0.6	4
Gross Alpha-Dissolved (pCi/L)	74.95	35.15655	44.75	70	110.1	43.8	116	4
Gross Beta-Dissolved (pCi/L)	26.925	5.502954	21.925	26.35	32.5	21.1	33.9	4
Gross Gamma-Dissolved (pCi/L)								4
Iron-Dissolved (mg/L)	0.76	1.2758	0.055	0.165	2.06	0.04	2.67	4
Iron-Total (mg/L)	10.0075	8.753222	2.6575	8.24	19.125	1.75	21.8	4
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead 210-Dissolved (pCi/L)	-1.375	2.662549	-4.15	-0.35	0.375	-5.3	0.5	4
Lead 210-Suspended (pCi/L)	-0.075	6.827091	-6.9	0.5	6.175	-8.2	6.9	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	99.175	29.41614	72.625	95.9	129	67.9	137	4
Manganese-Dissolved (mg/L)	0.755	0.488092	0.375	0.62	1.27	0.36	1.42	4
Manganese-Total (mg/L)	0.73	0.57312	0.2125	0.665	1.3125	0.13	1.46	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.1	0.070711	0.05	0.075	0.175	0.05	0.2	4
Molybdenum-Total (mg/L)	0.125	0.119024	0.05	0.075	0.25	0.05	0.3	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nitrogen, Nitrate as N (mg/L)	0.0725	0.0263	0.05	0.07	0.0975	0.05	0.1	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	183.75	67.99203	113.75	205	232.5	85	240	4
pH	7.4725	0.765697	6.8525	7.29	8.275	6.82	8.49	4

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #3026								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Polonium 210-Dissolved (pCi/L)	0.2	0.163299	0.05	0.2	0.35		0.4	4
Polonium 210-Suspended (pCi/L)	0.5	0.94163	-0.075	0.1	1.475	-0.1	1.9	4
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	23.15	1.738774	21.55	23	24.9	21.3	25.3	4
Radium 226-Dissolved (pCi/L)	5.175	3.051093	3	4.15	8.375	2.8	9.6	4
Radium 226-Suspended (pCi/L)	1.125	1.558578	-0.05	0.65	2.775	-0.1	3.3	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	476.75	328.9999	235.75	372	822.5	213	950	4
Selenium-Dissolved (mg/L)	0.001875	0.00275	0.0005	0.0005	0.004625	0.0005	0.006	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.003625	0.002926	0.000875	0.0035	0.0065	0.0005	0.007	4
Selenium-VI-Dissolved (mg/L)	0.001875	0.00275	0.0005	0.0005	0.004625	0.0005	0.006	4
Silica-Dissolved (mg/L)	3	1.807392	1.95	2.2	4.85	1.9	5.7	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	233.75	53.1123	180.5	240	280.75	171	284	4
Sodium Adsorption Ratio (SAR) (meq/L)	2.875	0.928709	1.95	3	3.675	1.8	3.7	4
Solids-Total Dissolved Calculated (mg/L)	2407.5	207.103	2265	2340	2617.5	2240	2710	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	2425	189.2969	2300	2350	2625	2300	2700	4
Strontium-Total (mg.L)	6.375	1.144188	5.175	6.65	7.3	4.8	7.4	4
Sulfate (mg/L)	1565	151.5476	1472.5	1500	1722.5	1470	1790	4
TDS Balance (0.80 - 1.20) (dec.%)	1.015	0.019149	0.995	1.02	1.03	0.99	1.03	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)	0.05	0.057735		0.05	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	0.375	0.434933	0.05	0.25	0.825		1	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.019125	0.006177	0.015025	0.0167	0.02565	0.015	0.0281	4
Uranium-Suspended (mg/L)	0.00195	0.001382	0.001075	0.0014	0.003375	0.001	0.004	4
Uranium-Total (mg/L)	0.020775	0.009224	0.012175	0.0206	0.02955	0.0097	0.0322	4
Vanadium-Dissolved (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Zinc-Dissolved (mg/L)	0.00625	0.0025	0.005	0.005	0.00875	0.005	0.01	4
Zinc-Total (mg/L)	0.00875	0.0025	0.00625	0.01	0.01	0.005	0.01	4

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #4002					
Analyte	9/27/2007 14:35	9/27/2007 14:39	11/14/2007 11:45	2/12/2008 11:47	5/19/2008 13:00
A/C Balance (± 5) (%)	-4.1	0.215	-1.56	-2.61	2.11
Alkalinity-Total as CaCO3 (mg/L)	140	138	140	138	144
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.3	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	11.3	11	12.3	12.8	12.4
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)				<0.001	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	171	168	171	168	176
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.001
Calcium-Dissolved (mg/L)	36.8	38.7	41.4	42.4	46.6
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	10.4	11.1	12	12.1	13
Chloride (mg/L)	7	7	7	7	6
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1190	1210	1130	1230	1340
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.4	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	120	141	227	314	127
Gross Beta-Dissolved (pCi/L)	45.5	49.6	87.9	101	30.1
Gross Gamma-Dissolved (pCi/L)	120	<20	2200	650	210
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				2.23	2.29
Lead 210-Dissolved (pCi/L)	2	<1	6.2	<1	-2.6
Lead 210-Suspended (pCi/L)	9.7	<1	<1	<1	1.4
Lead-Dissolved (mg/L)	12	<1			
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)				<0.001	<0.001
Manganese-Dissolved (mg/L)	11.9	12.4	13.9	14.2	15.8
Manganese-Total (mg/L)	0.08	0.07	0.08	0.08	0.08
Mercury-Dissolved (mg/L)				0.08	0.08
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.0002	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)				<0.01	<0.01
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)				<0.05	<0.05
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	0.1
Oxidation-Reduction Potential (mV)	<0.1	<0.1	<0.1	<0.1	<0.1
pH			140	190	250
Polonium 210-Dissolved (pCi/L)	7.81	7.85	7.65	7.83	8.02
Polonium 210-Suspended (pCi/L)	<1	<1	<1	2.1	
Potassium-Dissolved (mg/L)	<1	<1	<1	<1	0.1
Radium 226-Dissolved (pCi/L)	<1	<1			
Radium 226-Suspended (pCi/L)	7.2	7.3	7.3	7.4	7.1
Radon 222-Total (pCi/L)	63.6	60	54.2	57	52.3
Selenium-Dissolved (mg/L)	<0.2	19.4		37	8.4
Selenium-IV-Dissolved (mg/L)	62.7	79.4			
Selenium-Total (mg/L)			8010	9890	8780

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #4002					
Analyte	9/27/2007 14:35	9/27/2007 14:39	11/14/2007 11:45	2/12/2008 11:47	5/19/2008 13:00
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.005
Silica-Dissolved (mg/L)			<0.001	<0.001	<0.001
Silver-Dissolved (mg/L)				<0.001	<0.001
Silver-Total (mg/L)			<0.001	<0.001	<0.001
Sodium Adsorption Ratio (SAR) (meq/L)	6.6	6.9	7.6	7.3	3.8
Sodium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Solids-Total Dissolved Calculated (mg/L)				<0.005	<0.005
Solids-Total Dissolved TDS @ 180 C (mg/L)			6.7	6.7	6.8
Strontium-Total (mg.L)	170	182	197	198	211
Sulfate (mg/L)	716	717	799	842	834
TDS Balance (0.80 - 1.20) (dec.%)	820	800	850	830	790
Thallium-Total (mg/L)				0.8	0.9
Thorium 230-Dissolved (pCi/L)	454	453	448	470	450
Thorium 230-Suspended (pCi/L)	1.15	1.12	1.06	0.98	0.94
Thorium 232-Dissolved (pCi/L)				<0.001	<0.001
Uranium-Dissolved (mg/L)	0.5	0.6	<0.2	0.2	
Uranium-Suspended (mg/L)	<0.2	<0.2	<0.2	<0.2	0.1
Uranium-Total (mg/L)	<0.2	<0.2			
Vanadium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc-Dissolved (mg/L)	0.0026	0.0026	0.0026	0.0026	0.0023
Zinc-Total (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

POWERTECH (USA) INC.

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Appendix 2.7-G - Groundwater Quality Data

Well #4002								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.189	2.423088	-3.355	-1.56	1.1625	-4.1	2.11	5
Alkalinity-Total as CaCO3 (mg/L)	140	2.44949	138	140	142	138	144	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.1	0.111803	0.05	0.05	0.175	0.05	0.3	5
Anions (meq/L)	11.96	0.770065	11.15	12.3	12.6	11	12.8	5
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Arsenic-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	170.8	3.271085	168	171	173.5	168	176	5
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0015	0.001414		0.0015		0.0005	0.0025	2
Calcium-Dissolved (mg/L)	41.18	3.749933	37.75	41.4	44.5	36.8	46.6	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	11.72	0.998499	10.75	12	12.55	10.4	13	5
Chloride (mg/L)	6.8	0.447214	6.5	7	7	6	7	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1220	76.81146	1160	1210	1285	1130	1340	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.36	0.054772	0.3	0.4	0.4	0.3	0.4	5
Gross Alpha-Dissolved (pCi/L)	185.8	83.55657	123.5	141	270.5	120	314	5
Gross Beta-Dissolved (pCi/L)	62.82	30.13332	37.8	49.6	94.45	30.1	101	5
Gross Gamma-Dissolved (pCi/L)	638	906.3498	65	210	1425	10	2200	5
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	5
Iron-Total (mg/L)	2.26	0.042426		2.26		2.23	2.29	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	1.32	3.201094	-1.05	0.5	4.1	-2.6	6.2	5
Lead 210-Suspended (pCi/L)	2.52	4.032617	0.5	0.5	5.55	0.5	9.7	5
Lead 210-Total (pCi/L)	6.25	8.131728		6.25		0.5	12	2
Magnesium-Dissolved (mg/L)	13.64	1.550161	12.15	13.9	15	11.9	15.8	5
Manganese-Dissolved (mg/L)	0.078	0.004472	0.075	0.08	0.08	0.07	0.08	5
Manganese-Total (mg/L)	0.08			0.08		0.08	0.08	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.00025	0.000229	0.000075	0.0001	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.005			0.005		0.005	0.005	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #4002								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.06	0.022361	0.05	0.05	0.075	0.05	0.1	5
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Oxidation-Reduction Potential (mV)	193.3333	55.07571	140	190	250	140	250	3
pH	7.832	0.131605	7.73	7.83	7.935	7.65	8.02	5
Polonium 210-Dissolved (pCi/L)	0.72	0.801249	0.25	0.5	1.3		2.1	5
Polonium 210-Suspended (pCi/L)	0.42	0.178885	0.3	0.5	0.5	0.1	0.5	5
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	2
Potassium-Dissolved (mg/L)	7.26	0.114018	7.15	7.3	7.35	7.1	7.4	5
Radium 226-Dissolved (pCi/L)	57.42	4.516857	53.25	57	61.8	52.3	63.6	5
Radium 226-Suspended (pCi/L)	16.225	15.94707	2.175	13.9	32.6	0.1	37	4
Radium 226-Total (pCi/L)	71.05	11.80868		71.05		62.7	79.4	2
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	8893.333	945.1102	8010	8780	9890	8010	9890	3
Selenium-Dissolved (mg/L)	0.0009	0.000894	0.0005	0.0005	0.0015	0.0005	0.0025	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.44	1.524139	5.2	6.9	7.45	3.8	7.6	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	191.6	15.85244	176	197	204.5	170	211	5
Sodium Adsorption Ratio (SAR) (meq/L)	6.733333	0.057735	6.7	6.7	6.8	6.7	6.8	3
Solids-Total Dissolved Calculated (mg/L)	781.6	61.58977	716.5	799	838	716	842	5
olids-Total Dissolved TDS @ 180 C (mg/L	818	23.87467	795	820	840	790	850	5
Strontium-Total (mg.L)	0.85	0.070711		0.85		0.8	0.9	2
Sulfate (mg/L)	455	8.717798	449	453	462	448	470	5
TDS Balance (0.80 - 1.20) (dec.%)	1.05	0.089443	0.96	1.06	1.135	0.94	1.15	5
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.28	0.258844	0.05	0.2	0.55		0.6	5
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	2
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.00254	0.000134	0.00245	0.0026	0.0026	0.0023	0.0026	5
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	5
Uranium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

POWERTECH (USA) INC.

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Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #7002								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.06	6.230222	-5.3775	-1.09	6.2875	-5.62	7.56	4
Alkalinity-Total as CaCO3 (mg/L)	261	13.31666	251	257	275	250	280	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.25	0.057735	0.2	0.25	0.3	0.2	0.3	4
Anions (meq/L)	26.925	0.758837	26.35	26.7	27.725	26.3	28	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000875	0.00025	0.000625	0.001	0.001	0.0005	0.001	4
Arsenic-Total (mg/L)	0.0025	0.002121		0.0025		0.001	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	318.25	15.94522	306.25	313.5	335	305	341	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	230	26.26785	207.75	225	257.25	206	264	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	27	3.175951	24.175	26.6	30.225	23.9	30.9	4
Chloride (mg/L)	9.75	0.957427	9	9.5	10.75	9	11	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	2327.5	143.6141	2202.5	2315	2465	2200	2480	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.3	0.141421	0.2	0.25	0.45	0.2	0.5	4
Gross Alpha-Dissolved (pCi/L)	51.575	27.37205	32.075	42.7	79.95	29.5	91.4	4
Gross Beta-Dissolved (pCi/L)	33.4	5.864583	28.725	31.9	39.575	28.4	41.4	4
Gross Gamma-Dissolved (pCi/L)	792.5	735.9065	92.5	785	1500		1600	4
Iron-Dissolved (mg/L)	0.15125	0.13319	0.02625	0.155	0.2725	0.015	0.28	4
Iron-Total (mg/L)	1.285	0.049497		1.285		1.25	1.32	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	3.35	6.454198	-0.325	0.5	9.875	-0.6	13	4
Lead 210-Suspended (pCi/L)	1.95	4.037739	-0.7	0.5	6.05	-1.1	7.9	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	88.2	11.20089	78.7	86.05	99.85	77.7	103	4
Manganese-Dissolved (mg/L)	0.3875	0.017078	0.3725	0.385	0.405	0.37	0.41	4
Manganese-Total (mg/L)	0.385	0.021213		0.385		0.37	0.4	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00024	0.000238	0.00005	0.0001	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4

POWERTECH (USA) INC.

Powertech (USA)
Dewey-Burdock Project

Appendix 2.7-G - Groundwater Quality Data

Well #7002								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	196.6667	30.5505	170	190	230	170	230	3
pH	7.3575	0.1466	7.2375	7.325	7.51	7.22	7.56	4
Polonium 210-Dissolved (pCi/L)	1.5	1.8037	0.2	0.9	3.4	0.1	4.1	4
Polonium 210-Suspended (pCi/L)	0.425	0.15	0.275	0.5	0.5	0.2	0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	21.2	0.996661	20.175	21.35	22.075	19.9	22.2	4
Radium 226-Dissolved (pCi/L)	8.35	0.369685	8.025	8.3	8.725	8	8.8	4
Radium 226-Suspended (pCi/L)	0.1625	0.197379	0.025	0.1	0.3625		0.45	4
Radium 226-Total (pCi/L)	6.3			6.3		6.3	6.3	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	986.6667	262.4068	752	938	1270	752	1270	3
Selenium-Dissolved (mg/L)	0.00075	0.000289	0.0005	0.00075	0.001	0.0005	0.001	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.675	2.214159	4.375	7.55	8.1	3.4	8.2	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	175.75	22.12653	154.5	177	195.75	152	197	4
Sodium Adsorption Ratio (SAR) (meq/L)	2.566667	0.152753	2.4	2.6	2.7	2.4	2.7	3
Solids-Total Dissolved Calculated (mg/L)	1725	71.41428	1652.5	1750	1772.5	1620	1780	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	1875	50	1825	1900	1900	1800	1900	4
Strontium-Total (mg.L)	7.15	0.777817		7.15		6.6	7.7	2
Sulfate (mg/L)	1075	61.91392	1025	1060	1140	1020	1160	4
TDS Balance (0.80 - 1.20) (dec.%)	1.095	0.068069	1.04	1.08	1.165	1.03	1.19	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Thorium 230-Suspended (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.0006	0.0000816	0.000525	0.0006	0.000675	0.0005	0.0007	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.00055	0.0000707		0.00055		0.0005	0.0006	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

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Appendix 2.7-G - Groundwater Quality Data

Well #7002				
Analyte	**9/28/2007 17:48**	**11/12/2007 8:10**	**2/20/2008 8:30**	**5/29/2008 10:44**
A/C Balance (± 5) (%)	-4.65	2.47	-5.62	7.56
Alkalinity-Total as CaCO3 (mg/L)	280	250	260	254
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.3	0.3	0.2	0.2
Anions (meq/L)	26.3	26.9	28	26.5
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	0.001	0.001	<0.001
Arsenic-Total (mg/L)			0.001	0.004
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	341	305	317	310
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)			<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005
Calcium-Dissolved (mg/L)	206	237	213	264
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	23.9	28.2	25	30.9
Chloride (mg/L)	10	11	9	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2200	2210	2420	2480
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.2	0.2	0.5	0.3
Gross Alpha-Dissolved (pCi/L)	45.6	39.8	91.4	29.5
Gross Beta-Dissolved (pCi/L)	29.7	34.1	41.4	28.4
Gross Gamma-Dissolved (pCi/L)	1200	1600	370	
Iron-Dissolved (mg/L)	<0.03	0.25	0.28	0.06
Iron-Total (mg/L)			1.25	1.32
Lead 210-Dissolved (pCi/L)	<1	<1	13	-0.6
Lead 210-Suspended (pCi/L)	<1	<1	7.9	-1.1
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001
Magnesium-Dissolved (mg/L)	77.7	90.4	81.7	103
Manganese-Dissolved (mg/L)	0.39	0.37	0.38	0.41
Manganese-Total (mg/L)			0.37	0.4
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		190	170	230
pH	7.29	7.22	7.56	7.36

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Appendix 2.7-G - Groundwater Quality Data

Well #7002				
Analyte	**9/28/2007 17:48**	**11/12/2007 8:10**	**2/20/2008 8:30**	**5/29/2008 10:44**
Polonium 210-Dissolved (pCi/L)	1.3	4.1	<1	0.1
Polonium 210-Suspended (pCi/L)	<1	<1	<1	0.2
Potassium-Dissolved (mg/L)	19.9	22.2	21	21.7
Radium 226-Dissolved (pCi/L)	8.5	8.1	8.8	8
Radium 226-Suspended (pCi/L)	<0.2	<0.2	<0.9	
Radon 222-Total (pCi/L)		938	752	1270
Selenium-Dissolved (mg/L)	0.001	<0.001	0.001	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.3	8.2	7.8	3.4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		2.7	2.4	2.6
Sodium-Dissolved (mg/L)	152	192	162	197
Solids-Total Dissolved Calculated (mg/L)	1620	1750	1750	1780
Solids-Total Dissolved TDS @ 180 C (mg/L)	1900	1900	1900	1800
Strontium-Total (mg.L)			6.6	7.7
Sulfate (mg/L)	1160	1040	1080	1020
TDS Balance (0.80 - 1.20) (dec.%)	1.19	1.09	1.07	1.03
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0.1
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	<0.2	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0007	0.0006	0.0006	0.0005
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)			0.0005	0.0006
Vanadium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Zinc-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Zinc-Total (mg/L)			<0.005	<0.005

POWERTECH (USA) INC.

APPENDIX 2.7-H

STATISTICS FOR GROUNDWATER CONSTITUENTS AT OR ABOVE PQL

POWERTECH (USA) INC.

Appendix 2.7-H
Statistics for Groundwater Constituents at or above PQL by Constituent

Constituent, Unit	PQL	n Analyzed	n Detected	% exceeding detection	Mean	StDev	Q1	Median	Q3
Major Cations and Anions									
Anions (meq/L)		140	140	100%	28.3	27.5	13.3	15.3	32.8
Bicarbonate as HCO3 (mg/L)	5	140	140	100%	233	119	171	206	248
Carbonate as CO3 (mg/L)	5	140	4	2.9%	21.8	21.3	7.75	13.5	44.0
Sulfate (mg/L)	36	140	140	100%	1110	1000	467	574	1420
Chloride (mg/L)	1	140	140	100%	62.8	266	9.00	12.0	15.0
Fluoride (mg/L)	0.1	140	134	95.7%	0.39	0.139	0.300	0.40	0.50
Nitrogen, Nitrate as N.(mg/L)	0.1	140	29	20.7%	0.37	0.440	0.090	0.10	0.73
Cations (meq/L)		140	140	100%	31.6	43.7	13.8	15.9	33.5
Ammonia (mg/L)	1	140	83	59.3%	0.29	0.191	0.200	0.20	0.400
Sodium-Dissolved (mg/L)	0.8	140	140	100%	280	326	127	196	277
Calcium-Dissolved (mg/L)	0.5	140	139	99.3%	184	165	48.5	91.6	353
Magnesium-Dissolved (mg/L)	0.5	140	139	99.3%	86.8	115	17.5	32.7	109
Potassium-Dissolved (mg/L)	0.5	140	139	99.3%	13.0	4.92	8.70	11.5	16.2
Silica-Dissolved (mg/L)	0.5	140	138	98.6%	6.88	3.11	4.38	7.2	8.00
General Water Quality Indicators									
Alkalinity-Total as CaCO3 (mg/L)	5	140	140	100%	193	96.5	140	169	204
Anion/Cation Balance (± 5) (%)		140	136	97.1%	0.93	5.16	-1.76	1.36	4.17
Conductivity @ 25 C (umhos/cm)	5	140	140	100%	2357	1989	1330	1545	2530
Oxidation-Reduction Potential (mV)		118	117	99.2%	193	69.1	150	200	230
pH	0.01	140	140	100%	7.71	0.500	7.33	7.80	8.02
Sodium Adsorption Ratio (meq/L)	0.1	120	119	99.2%	5.46	3.70	2.10	5.40	7.60
Solids-Total Dissolved TDS (mg/L)	5	140	140	100%	1926	1814	890	1000	2300
Solids-Total Dissolved Calc. (mg/L)	5	140	140	100%	1840	1736	892	1005	2135
TDS Balance (0.80 - 1.20) (dec.%)		140	140	100%	1.04	0.10	0.97	1.02	1.09
Metals, Dissolved									
Aluminum-Dissolved (mg/L)	0.1	140	1	0.7%	0.60			0.60	

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Constituent, Unit	PQL	n Analyzed	n Detected	% exceeding detection	Mean	StDev	Q1	Median	Q3
Arsenic-Dissolved (mg/L)	0.001	140	72	51.4%	0.00	0.0052	0.001	0.0010	0.0020
Boron-Dissolved (mg/L)	0.1	140	49	35.0%	0.44	0.402	0.20	0.40	0.50
Copper-Dissolved (mg/L)	0.01	140	2	1.4%	0.05			0.045	
Iron-Dissolved (mg/L)	0.03	140	53	37.9%	1.10	2.13	0.070	0.250	1.57
Lead-Dissolved (mg/L)	0.001	140	6	4.3%	0.00	0.0026	0.0010	0.0025	0.005
Manganese-Dissolved (mg/L)	0.01	140	135	96.4%	0.59	0.928	0.070	0.10	0.43
Molybdenum-Dissolved (mg/L)	0.1	140	2	1.4%	0.15			0.150	
Selenium-Dissolved (mg/L)	0.001	140	24	17.1%	0.01	0.0055	0.0013	0.0025	0.0115
Selenium-IV-Dissolved (mg/L)	0.001	118	2	1.7%	0.00			0.0010	
Selenium-VI-Dissolved (mg/L)	0.001	118	13	11.0%	0.01	0.01	0.001	0.0060	0.012
Uranium-Dissolved (mg/L)	0.003	140	106	75.7%	0.02	0.030	0.0024	0.0060	0.0304
Vanadium-Dissolved (mg/L)	0.1	140	4	2.9%	0.13	0.050	0.10	0.10	0.175
Zinc-Dissolved (mg/L)	0.01	140	36	25.7%	0.02	0.020	0.01	0.020	0.028
Metals, Suspended									
Uranium-Suspended (mg/L)	0.0003	138	39	28.3%	0.005	0.012	0.0007	0.0013	0.0033
Metals, Total									
Arsenic-Total (mg/L)	0.001	95	79	83.2%	0.01	0.0073	0.002	0.0030	0.005
Barium-Total (mg/L)	0.1	95	6	6.3%	0.25	0.138	0.175	0.20	0.35
Beryllium-Total (mg/L)	0.001	95	2	2.1%	0.00			0.0025	
Boron-Total (mg/L)	0.2	95	29	30.5%	0.39	0.442	0.10	0.20	0.50
Chromium-Total (mg/L)	0.05	95	1	1.1%	0.05			0.050	
Copper-Total (mg/L)	0.01	95	5	5.3%	0.05	0.047	0.015	0.030	0.10
Iron-Total (mg/L)	0.03	95	92	96.8%	3.25	8.01	0.14	0.84	3.39
Lead-Total (mg/L)	0.001	95	17	17.9%	0.02	0.017	0.002	0.013	0.025
Manganese-Total (mg/L)	0.01	95	95	100%	0.59	0.924	0.070	0.090	0.50
Mercury-Total (mg/L)	0.001	163	1	0.6%	0.00			0.00010	
Molybdenum-Total (mg/L)	0.1	95	8	8.4%	0.06	0.102	0.010	0.015	0.080
Nickel-Total (mg/L)	0.05	95	1	1.1%	0.10			0.10	
Selenium-Total (mg/L)	0.002	95	25	26.3%	0.00	0.0040	0.002	0.0030	0.0055
Strontium-Total (mg/L)	0.1	95	94	98.9%	3.59	3.10	1.10	1.70	5.85

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Constituent, Unit	PQL	n Analyzed	n Detected	% exceeding detection	Mean	StDev	Q1	Median	Q3
Uranium-Total (mg/L)	0.0003	99	74	74.7%	0.02	0.033	0.0025	0.0064	0.030
Zinc-Total (mg/L)	0.01	95	34	35.8%	0.05	0.073	0.010	0.020	0.070
Radionuclides									
Gross Alpha-Dissolved (pCi/L)	1	140	140	100%	406	1084	13.2	30.1	94.7
Gross Beta-Dissolved (pCi/L)	2	140	136	97.1%	140	367	10.3	16.2	39.9
Gross Gamma-Dissolved (pCi/L)	20	140	124	88.6%	1539	6584	0.00	160	1075
Lead 210-Dissolved (pCi/L)	1	140	102	72.9%	4.20	14.5	-1.85	0.50	4.90
Lead 210-Suspended (pCi/L)	1	138	89	64.5%	3.80	9.66	-0.55	1.20	6.50
Lead 210-Total (pCi/L)	1	20	3	15.0%	27.7	25.4	12.0	14.0	57.0
Polonium 210-Dissolved (pCi/L)	1	140	105	75.0%	1.01	1.07	0.10	0.90	1.60
Polonium 210-Suspended (pCi/L)	1	138	88	63.8%	1.07	1.98	0.00	0.40	1.20
Polonium 210-Total (pCi/L)	1	20	4	20.0%	7.65	3.60	5.40	6.2	11.4
Radium 226-Dissolved (pCi/L)	0.2	134	118	88.1%	119	289	1.60	3.9	54.9
Radium 226-Suspended (pCi/L)	0.2	133	101	75.9%	2.86	5.46	-0.035	0.70	2.75
Radium 226-Total (pCi/L)	0.2	20	16	80.0%	25.5	37.6	2.43	5.15	51.4
Radon 222-Total (pCi/L)	100	120	120	100%	29875	86353	462	949	4145
Thorium 230-Dissolved (pCi/L)	0.2	140	88	62.9%	0.11	0.23	0.00	0.00	0.18
Thorium 230-Suspended (pCi/L)	0.2	138	91	65.9%	0.50	1.73	0.10	0.20	0.30
Thorium 230-Total (pCi/L)	0.2	20	1	5.0%	1.90			1.90	

PQL = Practical Quantitation Limit. The concentration that can be reliably measured within specified limits during routine laboratory operating conditions, below which results are reported as "less than PQL".
n Analyzed = The number of samples analyzed for a particular constituent.
n Detected = The number of samples where a particular constituent was detected at or above the PQL.
Mean = Arithmetic mean of those constituents detected above detection limit
StDev = Standard deviation of those constituents detected at or above PQL.
Q1 = First Quartile. The value holding ranked position 0.25 x (n Detected + 1) for each constituent. Value may be interpolated.
Q3 = Third Quartile. The value holding ranked position 0.75 x (n Detected + 1) for each constituent. Value may be interpolated.
Median = The middle value of ranked n Detected. Value may be interpolated.

POWERTECH (USA) INC.

APPENDIX 2.7-I

MINIMUM AND MAXIMUM RESULTS FOR SAMPLED CONSTITUENTS AT OR ABOVE PQL

POWERTECH (USA) INC.

Appendix 2.7-I
Minimum and Maximum Results for Sampled Constituent above PQL, Sampled Site and Date of Sampling

Constituent, Unit	Minimum at or above PQL			Maximum at or above PQL		
	Concentration	Site ID	Collection Date	Concentration	Site ID	Collection Date
Major Cations and Anions						
Anions (meq/L)	1.1	135	3/13/2008	150	677	4/29/2008
Bicarbonate as HCO3 (mg/L)	12	688	4/2/2008	649	677	9/28/2007
Carbonate as CO3 (mg/L)	7	688	6/10/2008	53.0	688	4/2/2008
Sulfate (mg/L)	39	135	3/13/2008	4590	677	11/27/2007
Chloride (mg/L)	2	135	3/13/2008	1780	677	11/27/2007
Fluoride (mg/L)	0.1	650	5/30/2008	1.00	678	4/29/2008
Nitrogen, Nitrate as N (mg/L)	0.06	695	4/22/2008	1.30	679	2/3/2008
Cations (meq/L)	0.547	135	3/13/2008	430	676	4/29/2008
Ammonia (mg/L)	0.1	697	6/24/2008	1.20	3026	3/30/2008
Sodium-Dissolved (mg/L)	12	135	3/13/2008	2140	677	4/29/2008
Calcium-Dissolved (mg/L)	11.2	622	4/1/2008	561	676	4/29/2008
Magnesium-Dissolved (mg/L)	7.1	622	4/1/2008	500	678	4/29/2008
Potassium-Dissolved (mg/L)	6.8	42	5/30/2008	28.0	675	9/28/2007
Silica-Dissolved (mg/L)	0.9	650	3/24/2008	16.3	678	2/5/2008
General Water Quality Indicators						
Alkalinity-Total as CaCO3 (mg/L)	12	135	3/13/2008	532	677	9/28/2007
Anion/Cation Balance (± 5) (%)	-33.6	135	3/13/2008	12.1	688	4/22/2008
Conductivity @ 25 C (umhos/cm)	131	135	3/13/2008	12100	677	4/29/2008
Oxidation-Reduction Potential (mV)	-80.2	619	3/24/2008	360	694	4/21/2008
pH	6.49	135	3/13/2008	10.3	688	4/2/2008
Sodium Adsorption Ratio (meq/L)	0.84	679	11/14/2007	17.0	677	4/29/2008
Solids-Total Dissolved TDS (mg/L)	92	135	3/13/2008	9700	677	11/27/2007
Solids-Total Dissolved Calc. (mg/L)	61	135	3/13/2008	9550	677	4/29/2008
TDS Balance (0.80 - 1.20) (dec.%)	0.78	628	2/20/2008	1.51	135	3/13/2008
Metals, Dissolved						
Aluminum-Dissolved (mg/L)	0.6	650	9/28/2007	0.600	650	9/28/2007
Arsenic-Dissolved (mg/L)	0.001	16	6/30/2008	0.0260	680	1/30/2008
Boron-Dissolved (mg/L)	0.1	650	5/30/2008	1.60	678	2/5/2008

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Constituent, Unit	Minimum at or above PQL			Maximum at or above PQL		
	Concentration	Site ID	Collection Date	Concentration	Site ID	Collection Date
Copper-Dissolved (mg/L)	0.01	619	6/17/2008	0.080	619	9/27/2007
Iron-Dissolved (mg/L)	0.03	622	4/21/2008	13.2	650	9/28/2007
Lead-Dissolved (mg/L)	0.001	622	5/28/2008	0.0080	619	9/27/2007
Manganese-Dissolved (mg/L)	0.02	688	6/30/2008	3.39	675	2/5/2008
Molybdenum-Dissolved (mg/L)	0.1	3026	4/22/2008	0.200	3026	3/30/2008
Selenium-Dissolved (mg/L)	0.001	698	3/30/2008	0.0170	676	9/28/2007
Selenium-IV-Dissolved (mg/L)	0.001	2	2/12/2008	0.0010	2	2/12/2008
Selenium-VI-Dissolved (mg/L)	0.001	698	3/30/2008	0.0140	676	11/27/2007
Uranium-Dissolved (mg/L)	0.0003	8	11/27/2007	0.172	680	1/30/2008
Vanadium-Dissolved (mg/L)	0.1	3026	6/24/2008	0.200	678	4/29/2008
Zinc-Dissolved (mg/L)	0.01	622	6/25/2008	0.110	619	9/27/2007
Metals, Suspended						
Uranium-Suspended (mg/L)	0.0003	2	9/26/2007	0.070	676	2/5/2008
Metals, Total						
Arsenic-Total (mg/L)	0.001	16	6/30/2008	0.028	3026	5/28/2008
Barium-Total (mg/L)	0.1	622	6/25/2008	0.50	676	2/5/2008
Beryllium-Total (mg/L)	0.002	679	5/18/2008	0.00	676	2/5/2008
Boron-Total (mg/L)	0.1	680	6/10/2008	1.60	678	2/5/2008
Chromium-Total (mg/L)	0.05	676	2/5/2008	0.050	676	2/5/2008
Copper-Total (mg/L)	0.01	619	6/17/2008	0.12	676	2/5/2008
Iron-Total (mg/L)	0.04	681	6/25/2008	66.00	676	2/5/2008
Lead-Total (mg/L)	0.001	698	6/24/2008	0.060	676	2/5/2008
Manganese-Total (mg/L)	0.01	688	6/10/2008	3.40	675	2/5/2008
Mercury-Total (mg/L)	0.0001	688	6/30/2008	0.0001	688	6/30/2008
Molybdenum-Total (mg/L)	0.01	635	2/10/2008	0.300	3026	3/30/2008
Nickel-Total (mg/L)	0.1	676	2/5/2008	0.100	676	2/5/2008
Selenium-Total (mg/L)	0.001	689	6/25/2008	0.014	679	2/3/2008
Strontium-Total (mg/L)	0.6	18	2/12/2008	11.6	677	4/29/2008
Uranium-Total (mg/L)	0.0004	650	3/24/2008	0.12	698	3/30/2008
Zinc-Total (mg/L)	0.01	3026	6/24/2008	0.28	676	2/5/2008
Radionuclides						
Gross Alpha-Dissolved (pCi/L)	1.4	2	9/26/2007	6500	680	5/13/2008

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Constituent, Unit	Minimum at or above PQL			Maximum at or above PQL		
	Concentration	Site ID	Collection Date	Concentration	Site ID	Collection Date
Gross Beta-Dissolved (pCi/L)	-30	677	4/29/2008	2320	680	3/31/2008
Gross Gamma-Dissolved (pCi/L)	0	689	6/25/2008	70000	42	11/12/2007
Lead 210-Dissolved (pCi/L)	-31	689	3/30/2008	61.8	680	5/21/2008
Lead 210-Suspended (pCi/L)	-19.2	675	4/29/2008	57.0	42	9/28/2007
Lead 210-Total (pCi/L)	12	4002	9/27/2007	57.0	42	9/28/2007
Polonium 210-Dissolved (pCi/L)	-0.6	13	5/19/2008	5.50	42	2/5/2008
Polonium 210-Suspended (pCi/L)	-0.3	679	5/18/2008	13.0	42	9/28/2007
Polonium 210-Total (pCi/L)	5.2	13	9/27/2007	13.0	42	9/28/2007
Radium 226-Dissolved (pCi/L)	-0.12	135	3/13/2008	1430	680	5/13/2008
Radium 226-Suspended (pCi/L)	-0.4	615	6/25/2008	37.0	4002	2/12/2008
Radium 226-Total (pCi/L)	1.1	13	9/27/2007	120	619	9/27/2007
Radon 222-Total (pCi/L)	123	8	11/27/2007	462000	681	5/18/2008
Thorium 230-Dissolved (pCi/L)	-0.1	698	3/30/2008	1.80	135	3/13/2008
Thorium 230-Suspended (pCi/L)	0	688	6/30/2008	15.9	688	4/22/2008
Thorium 230-Total (pCi/L)	1.9	679	9/28/2007	1.90	679	9/28/2007

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Table Upgradient: Statistics for groundwater constituents at or above PQL by constituent from wells that are hydraulically upgradient from originally proposed mining activities. This analysis includes wells # 16, 615, 619, 622, 628, 631, 650, 698, 3026, 4002. Due to recent permit boundary changes, wells #615, 622, and 628 may no longer qualify as upgradient. Also, well #698 is upgradient of planned in-situ mining, but not upgradient of the proposed plant site.

Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Anions (meq/L)	44	21.21364	9.28446	12.325	18	10.6	41.2
Bicarbonate as HCO3 (mg/L)	44	165.9091	38.35927	144.5	168	37	219
Carbonate as CO3 (mg/L)	44	2.670455	1.130668	2.5	2.5	2.5	10
Sulfate (mg/L)	44	892.1818	452.2263	450.75	813	369	1790
Chloride (mg/L)	44	13.56818	13.6013	7	10	4	82
Fluoride (mg/L)	44	0.359091	0.134801	0.3	0.4	0.05	0.6
Nitrogen, Nitrate as N (mg/L)	44	0.058409	0.025785	0.05	0.05	0.05	0.2
Nitrogen, Nitrite as N (mg/L)	44	0.047727	0.00727	0.05	0.05	0.025	0.05
Cations (meq/L)	44	21.64614	10.01718	12	17.75	9.23	42.4
Ammonia (mg/L)	44	0.227273	0.256872	0.05	0.1	0.05	1.2
Sodium-Dissolved (mg/L)	44	146.4136	81.90985	88.25	127	44	435
Calcium-Dissolved (mg/L)	44	190.1386	140.9727	70.95	119	11.2	461
Magnesium-Dissolved (mg/L)	44	64.81364	45.77509	21.625	54.65	7.1	141
Potassium-Dissolved (mg/L)	44	13.68636	4.762088	8.725	15.25	7.1	25.3
Silica-Dissolved (mg/L)	44	5.296591	2.375025	3.9	5.35	0.25	9.5
General Water Quality Indicators							
Alkalinity-Total as CaCO3 (mg/L)	44	136.7273	31.30671	120.5	138	30	180
A/C Balance (± 5) (%)	44	0.489023	4.812788	-2.5975	1.18	-18.5	9.13
Conductivity @ 25 C (umhos/cm)	44	1794.205	625.9235	1195	1735	925	2970
Conductivity (field, umhos/cm)	48	1703.375	666.1638	1165.5	1461.5	740	3098
Dissolved Oxygen (field, mg/L)	33	0.780455	1.406676	0.115	0.23	0.015	7.09
Oxidation-Reduction Potential (mV)	37	176.2108	82.10339	130	200	-80.2	340
pH	44	7.498182	0.459582	7.1525	7.455	6.75	8.66
pH (field)	46	7.443261	0.805128	6.9475	7.265	6.09	10.79
Sodium Adsorption Ratio (SAR) (meq/L)	37	3.257838	2.78793	1	2.3	0.93	11
Solids-Total Dissolved TDS @ 180 C (mg/L)	44	1462.273	656.4275	802.5	1350	670	2700
Solids-Total Dissolved Calculated (mg/L)	44	1389.409	618.0043	787.75	1185	686	2710

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Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Temperature (field, deg C)	43	12.72465	1.779163	11.61	12.08	8.34	15.78
TDS Balance (0.80 - 1.20) (dec.%)	44	1.047955	0.099102	0.99	1.04	0.78	1.44
Turbidity (NTU)	40	10.1925	14.27428	0.775	4.65	-0.2	70.9
Metals, Dissolved							
Aluminum-Dissolved (mg/L)	44	0.0625	0.082916	0.05	0.05	0.05	0.6
Arsenic-Dissolved (mg/L)	44	0.002943	0.005681	0.0005	0.0005	0.0005	0.02
Barium-Dissolved (mg/L)	44	0.05	0	0.05	0.05	0.05	0.05
Boron-Dissolved (mg/L)	44	0.086364	0.073424	0.05	0.05	0.05	0.4
Cadmium-Dissolved (mg/L)	44	0.002557	0.000377	0.0025	0.0025	0.0025	0.005
Chromium-Dissolved (mg/L)	44	0.025	0	0.025	0.025	0.025	0.025
Copper-Dissolved (mg/L)	44	0.006818	0.011314	0.005	0.005	0.005	0.08
Iron-Dissolved (mg/L)	44	1.022727	2.158949	0.015	0.105	0.015	13.2
Lead-Dissolved (mg/L)	44	0.001284	0.003834	0.0005	0.0005	0.0005	0.025
Manganese-Dissolved (mg/L)	44	0.715795	0.856523	0.08	0.24	0.005	2.56
Mercury-Dissolved (mg/L)	44	0.000491	6.03E-05	0.0005	0.0005	0.0001	0.0005
Molybdenum-Dissolved (mg/L)	44	0.054545	0.02367	0.05	0.05	0.05	0.2
Nickel-Dissolved (mg/L)	44	0.025	0	0.025	0.025	0.025	0.025
Selenium-Dissolved (mg/L)	44	0.00092	0.001028	0.0005	0.0005	0.0005	0.006
Selenium-IV-Dissolved (mg/L)	37	0.0005	0	0.0005	0.0005	0.0005	0.0005
Selenium-VI-Dissolved (mg/L)	37	0.000662	0.000906	0.0005	0.0005	0.0005	0.006
Silver-Dissolved (mg/L)	44	0.002557	0.000377	0.0025	0.0025	0.0025	0.005
Uranium-Dissolved (mg/L)	44	0.017915	0.035821	0.00175	0.0026	0.00015	0.11
Vanadium-Dissolved (mg/L)	44	0.051136	0.007538	0.05	0.05	0.05	0.1
Zinc-Dissolved (mg/L)	44	0.013409	0.020595	0.005	0.005	0.005	0.11
Metals, Suspended							
Uranium-Suspended (mg/L)	44	0.000795	0.001206	0.00015	0.00015	0.00015	0.0043
Metals, Total							
Antimony-Total (mg/L)	31	0.0015	0	0.0015	0.0015	0.0015	0.0015
Arsenic-Total (mg/L)	31	0.008887	0.010182	0.002	0.004	0.0005	0.028
Barium-Total (mg/L)	31	0.056452	0.028113	0.05	0.05	0.05	0.2
Beryllium-Total (mg/L)	31	0.0005	0	0.0005	0.0005	0.0005	0.0005
Boron-Total (mg/L)	31	0.072581	0.040494	0.05	0.05	0.05	0.2

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Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Cadmium-Total (mg/L)	31	0.002242	0.000682	0.0025	0.0025	0.0005	0.0025
Chromium-Total (mg/L)	31	0.025	0	0.025	0.025	0.025	0.025
Copper-Total (mg/L)	31	0.007581	0.01347	0.005	0.005	0.005	0.08
Iron-Total (mg/L)	31	4.795161	4.877881	1.35	3.99	0.25	21.8
Lead-Total (mg/L)	31	0.0055	0.011403	0.0005	0.0005	0.0005	0.05
Manganese-Total (mg/L)	31	0.788065	0.937651	0.08	0.25	0.02	2.66
Mercury-Total (mg/L)	49	0.000292	0.000215	0.000075	0.0005	0.00005	0.0005
Molybdenum-Total (mg/L)	31	0.049516	0.05137	0.05	0.05	0.005	0.3
Nickel-Total (mg/L)	31	0.025	0	0.025	0.025	0.025	0.025
Selenium-Total (mg/L)	31	0.001177	0.001441	0.0005	0.0005	0.0005	0.007
Silver-Total (mg/L)	31	0.0025	0	0.0025	0.0025	0.0025	0.0025
Strontium-Total (mg/L)	31	3.343548	2.226086	1.4	2.7	0.05	7.4
Thallium-Total (mg/L)	31	0.0005	0	0.0005	0.0005	0.0005	0.0005
Uranium-Total (mg/L)	32	0.026602	0.045477	0.00235	0.00285	0.00015	0.123
Zinc-Total (mg/L)	31	0.037903	0.065964	0.005	0.01	0.005	0.25
Radionuclides							
Gross Alpha-Dissolved (pCi/L)	44	315.0932	574.1565	24.025	61.7	2.1	2110
Gross Beta-Dissolved (pCi/L)	44	106.6909	178.9286	14.55	27.25	3.7	659
Gross Gamma-Dissolved (pCi/L)	44	683.0682	1092.877	0	170	0	4200
Lead 210-Dissolved (pCi/L)	44	0.320455	7.862912	-1.925	0.5	-27	24
Lead 210-Suspended (pCi/L)	44	2.725	5.623213	0	0.5	-8.2	27.1
Lead 210-Total (pCi/L)	7	2.142857	4.346591	0.5	0.5	0.5	12
Polonium 210-Dissolved (pCi/L)	44	0.631818	0.768802	0.2	0.5	-0.5	3.5
Polonium 210-Suspended (pCi/L)	44	0.740909	1.077965	0.125	0.5	-0.2	6.4
Polonium 210-Total (pCi/L)	7	1.342857	2.22999	0.5	0.5	0.5	6.4
Radium 226-Dissolved (pCi/L)	44	76.02045	134.7834	2.9	9.55	1.2	429
Radium 226-Suspended (pCi/L)	41	4.276341	7.5066	0.1	0.7	-0.4	37
Radium 226-Total (pCi/L)	7	43.52857	44.65194	6.8	17.4	3.2	120
Radon 222-Total (pCi/L)	37	7781.946	11030.5	1010	2990	134	40700
Thorium 230-Dissolved (pCi/L)	44	0.097727	0.150176	0	0.1	-0.1	0.6
Thorium 230-Suspended (pCi/L)	44	0.227273	0.249989	0.1	0.1	0	1
Thorium 230-Total (pCi/L)	7	0.1	0	0.1	0.1	0.1	0.1

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Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Thorium 232-Dissolved (mg/L)	44	0.002455	0.000302	0.0025	0.0025	0.0005	0.0025

Mean = Arithmetic mean of those constituents detected above detection limit
StDev = Standard deviation of those constituents detected at or above PQL.
Q1 = First Quartile. The value holding ranked position 0.25 x (n Detected + 1) for each constituent. Value may be interpolated.
Q3 = Third Quartile. The value holding ranked position 0.75 x (n Detected + 1) for each constituent. Value may be interpolated.
Median = The middle value of ranked n Detected. Value may be interpolated.

Table Within: Statistics for groundwater constituents at or above PQL by constituent from wells that are within or near known ore bodies and proposed in-situ mining operations. This analysis includes wells # 13, 49, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 691, 692.

Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Anions (meq/L)	36	18.18333	9.024934	12.025	13.55	10.2	35.2
Bicarbonate as HCO3 (mg/L)	36	204.0694	81.7138	180.75	206	2.5	334
Carbonate as CO3 (mg/L)	36	4.888889	9.019907	2.5	2.5	2.5	53
Sulfate (mg/L)	36	659.6944	390.3787	415	465	159	1420
Chloride (mg/L)	36	14.16667	17.22706	10.25	11.5	5	113
Fluoride (mg/L)	36	0.430556	0.085589	0.4	0.4	0.3	0.6
Nitrogen, Nitrate as N (mg/L)	36	0.048611	0.011869	0.05	0.05	0.025	0.1
Nitrogen, Nitrite as N (mg/L)	36	0.048611	0.011869	0.05	0.05	0.025	0.1
Cations (meq/L)	36	19.46944	9.844123	12.225	14.65	10.8	38.1
Ammonia (mg/L)	36	0.147222	0.232362	0.05	0.05	0.05	1.2
Sodium-Dissolved (mg/L)	36	178.8333	47.41217	137.5	179.5	105	373
Calcium-Dissolved (mg/L)	36	147.9222	143.7031	49.725	63.9	25.8	421
Magnesium-Dissolved (mg/L)	36	47.65972	44.44029	19.4	25.1	0.25	134
Potassium-Dissolved (mg/L)	36	13.81944	5.35328	9.7	11.75	7.4	27.7
Silica-Dissolved (mg/L)	36	5.036111	2.121341	3.8	4.4	0.8	8.9
General Water Quality Indicators							
Alkalinity-Total as CaCO3 (mg/L)	36	203.5	172.4382	150	171	42	1160
A/C Balance (± 5) (%)	36	3.330556	3.91769	0.065	4.245	-4.96	12.1
Conductivity @ 25 C (umhos/cm)	36	1706.389	881.8265	1172.5	1320	1010	5360
Conductivity (field, umhos/cm)	43	1630.395	834.8651	1159	1283	740	5454
Dissolved Oxygen (field, mg/L)	23	0.498261	0.753451	0.09	0.2	0.04	3.01
Oxidation-Reduction Potential (mV)	35	198.4	76.828	160	220	0	300

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Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
pH	36	8.056111	0.964955	7.57	7.88	7.08	12.4
pH (field)	43	7.819535	1.003221	7.23	7.75	6.31	12.67
Sodium Adsorption Ratio (SAR) (meq/L)	35	4.428571	1.983101	1.8	5.4	1.3	7.6
Solids-Total Dissolved TDS @ 180 C (mg/L)	36	1222.5	630.8605	772.5	915	690	2500
Solids-Total Dissolved Calculated (mg/L)	36	1194.667	574.8277	775.75	902	717	2250
Temperature (field, deg C)	42	13.55381	1.781878	12.5875	13.135	6.1	16.08
TDS Balance (0.80 - 1.20) (dec.%)	36	1.011944	0.055334	0.9825	1.01	0.89	1.14
Turbidity (NTU)	37	7.467568	10.23922	0.55	3.8	-0.4	34.2
Metals, Dissolved							
Aluminum-Dissolved (mg/L)	36	0.05	0	0.05	0.05	0.05	0.05
Arsenic-Dissolved (mg/L)	36	0.003403	0.006288	0.001	0.002	0.0005	0.03
Barium-Dissolved (mg/L)	36	0.0625	0.075	0.05	0.05	0.05	0.5
Boron-Dissolved (mg/L)	36	0.080556	0.052478	0.05	0.05	0.05	0.2
Cadmium-Dissolved (mg/L)	36	0.0025	0	0.0025	0.0025	0.0025	0.0025
Chromium-Dissolved (mg/L)	36	0.025	0	0.025	0.025	0.025	0.025
Copper-Dissolved (mg/L)	36	0.005	0	0.005	0.005	0.005	0.005
Iron-Dissolved (mg/L)	36	0.070556	0.11882	0.015	0.015	0.015	0.47
Lead-Dissolved (mg/L)	36	0.000889	0.001829	0.0005	0.0005	0.0005	0.011
Manganese-Dissolved (mg/L)	36	0.175556	0.176865	0.04	0.095	0.005	0.54
Mercury-Dissolved (mg/L)	36	0.0005	0	0.0005	0.0005	0.0005	0.0005
Molybdenum-Dissolved (mg/L)	36	0.05	0	0.05	0.05	0.05	0.05
Nickel-Dissolved (mg/L)	36	0.025	0	0.025	0.025	0.025	0.025
Selenium-Dissolved (mg/L)	36	0.001028	0.000878	0.0005	0.0005	0.0005	0.003
Selenium-IV-Dissolved (mg/L)	35	0.000571	0.000423	0.0005	0.0005	0.0005	0.003
Selenium-VI-Dissolved (mg/L)	35	0.000629	0.000426	0.0005	0.0005	0.0005	0.002
Silver-Dissolved (mg/L)	36	0.002569	0.000417	0.0025	0.0025	0.0025	0.005
Uranium-Dissolved (mg/L)	36	0.015222	0.030804	0.00015	0.005	0.00015	0.172
Vanadium-Dissolved (mg/L)	36	0.05	0	0.05	0.05	0.05	0.05
Zinc-Dissolved (mg/L)	36	0.007083	0.006367	0.005	0.005	0.005	0.04
Metals, Suspended							
Uranium-Suspended (mg/L)	36	0.005744	0.029474	0.00015	0.00015	0.00015	0.177
Metals, Total							

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Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Antimony-Total (mg/L)	32	0.0015	0	0.0015	0.0015	0.0015	0.0015
Arsenic-Total (mg/L)	32	0.004266	0.006925	0.001	0.003	0.0005	0.04
Barium-Total (mg/L)	32	0.064063	0.07955	0.05	0.05	0.05	0.5
Beryllium-Total (mg/L)	32	0.000531	0.000177	0.0005	0.0005	0.0005	0.0015
Boron-Total (mg/L)	32	0.060938	0.021001	0.05	0.05	0.05	0.1
Cadmium-Total (mg/L)	32	0.00225	0.000672	0.0025	0.0025	0.0005	0.0025
Chromium-Total (mg/L)	32	0.025	0	0.025	0.025	0.025	0.025
Copper-Total (mg/L)	32	0.005313	0.00123	0.005	0.005	0.005	0.01
Iron-Total (mg/L)	32	0.835156	1.547857	0.055	0.23	0.015	7.24
Lead-Total (mg/L)	32	0.002984	0.006924	0.0005	0.0005	0.0005	0.035
Manganese-Total (mg/L)	32	0.186719	0.193997	0.06	0.09	0.005	0.63
Mercury-Total (mg/L)	54	0.00029	0.000682	0.00005	0.0001	0.00005	0.005
Molybdenum-Total (mg/L)	32	0.042969	0.016601	0.05	0.05	0.005	0.05
Nickel-Total (mg/L)	32	0.025	0	0.025	0.025	0.025	0.025
Selenium-Total (mg/L)	32	0.001469	0.001769	0.0005	0.0005	0.0005	0.008
Silver-Total (mg/L)	32	0.0025	0	0.0025	0.0025	0.0025	0.0025
Strontium-Total (mg.L)	32	3.084375	2.827983	1.1	1.3	0.9	8.2
Thallium-Total (mg/L)	32	0.0005	0	0.0005	0.0005	0.0005	0.0005
Uranium-Total (mg/L)	32	0.020984	0.058701	0.000388	0.00825	0.00015	0.336
Zinc-Total (mg/L)	32	0.013594	0.019437	0.005	0.005	0.005	0.09
Radionuclides							
Gross Alpha-Dissolved (pCi/L)	36	1348.458	1952.519	14.225	57.3	2.9	6500
Gross Beta-Dissolved (pCi/L)	36	430.7806	648.2405	13.4	19.15	7.1	2320
Gross Gamma-Dissolved (pCi/L)	36	2208.778	4119.155	29	940	0	21000
Lead 210-Dissolved (pCi/L)	36	13.41667	19.96313	0	4.4	-31	61.8
Lead 210-Suspended (pCi/L)	36	9.002778	26.15114	-1.075	0.5	-9.2	125
Lead 210-Total (pCi/L)	1	0.5			0.5	0.5	0.5
Polonium 210-Dissolved (pCi/L)	36	1.033333	1.224045	0.125	0.7	-0.6	5.1
Polonium 210-Suspended (pCi/L)	36	2.9	9.44273	0.2	0.5	-0.1	56
Polonium 210-Total (pCi/L)	1	5.2			5.2	5.2	5.2
Radium 226-Dissolved (pCi/L)	36	357.4028	493.3701	2.225	7.8	0.3	1430
Radium 226-Suspended (pCi/L)	36	5.680556	17.34764	0.04	0.8	-0.4	96.1

POWERTECH (USA) INC.

Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Radium 226-Total (pCi/L)	1	1.1			1.1	1.1	1.1
Radon 222-Total (pCi/L)	35	112072.6	166848.3	467	2520	119	590000
Thorium 230-Dissolved (pCi/L)	36	0.080556	0.16181	0	0	-0.1	0.8
Thorium 230-Suspended (pCi/L)	36	2.519444	11.18187	0.1	0.2	-0.1	65.9
Thorium 230-Total (pCi/L)	1	0.1			0.1	0.1	0.1
Thorium 232-Dissolved (mg/L)	36	0.0025	0	0.0025	0.0025	0.0025	0.0025

Mean = Arithmetic mean of those constituents detected above detection limit
StDev = Standard deviation of those constituents detected at or above PQL.
Q1 = First Quartile. The value holding ranked position 0.25 x (n Detected + 1) for each constituent. Value may be interpolated.
Q3 = Third Quartile. The value holding ranked position 0.75 x (n Detected + 1) for each constituent. Value may be interpolated.
Median = The middle value of ranked n Detected. Value may be interpolated.

Table Downgradient: Statistics for groundwater constituents at or above PQL by constituent from wells that are hydraulically downgradient from proposed mining activities. This analysis includes wells # 2, 7, 8, 18, 42, 694, 695, 696, 697, and 7002. These wells may or may not be downgradient of ore bodies. For example, due to the high concentration of radon in well #42, it is believed that a high concentration of uranium may exist near that well.

Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Anions (meq/L)	43	16.52326	6.886939	13.9	14.7	12.1	53.3
Bicarbonate as HCO3 (mg/L)	43	226.2093	38.50019	207	215	107	341
Carbonate as CO3 (mg/L)	43	2.5		2.5	2.5	2.5	2.5
Sulfate (mg/L)	43	608.186	333.8978	476	514	409	2440
Chloride (mg/L)	43	11.46512	2.839759	10	11	8	26
Fluoride (mg/L)	43	0.367442	0.091862	0.3	0.4	0.2	0.5
Nitrogen, Nitrate as N (mg/L)	43	0.053721	0.026505	0.05	0.05	0.025	0.2
Nitrogen, Nitrite as N (mg/L)	43	0.047093	0.008109	0.05	0.05	0.025	0.05
Cations (meq/L)	43	16.9907	6.459427	14.3	15.3	12.6	50.6
Ammonia (mg/L)	43	0.232558	0.13535	0.1	0.2	0.05	0.8
Sodium-Dissolved (mg/L)	43	251.2558	84.98238	199	250	152	716
Calcium-Dissolved (mg/L)	43	71.21163	62.83926	34	50.1	28	264
Magnesium-Dissolved (mg/L)	43	26.72791	24.05322	12.2	17.7	9.4	103

POWERTECH (USA) INC.

Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Potassium-Dissolved (mg/L)	43	11.15814	4.127736	8.1	9.7	6.8	22.2
Silica-Dissolved (mg/L)	43	6.327907	1.774599	4.4	7.2	3.4	10.2
General Water Quality Indicators							
Alkalinity-Total as CaCO3 (mg/L)	43	185.7674	31.50876	170	178	88	280
A/C Balance (± 5) (%)	43	1.714419	3.899374	-1.53	1.68	-5.62	8.11
Conductivity @ 25 C (umhos/cm)	43	1583.023	522.911	1380	1420	1230	4400
Conductivity (field, umhos/cm)	48	1402.646	263.9066	1260.25	1397.5	908	2275
Dissolved Oxygen (field, mg/L)	25	1.2216	1.696014	0.195	0.29	0.09	5.42
Oxidation-Reduction Potential (mV)	37	191.7297	66.62401	140	190	80	360
pH	43	7.969767	0.281987	7.9	7.97	7.22	8.71
pH (field)	45	7.835111	0.367093	7.515	7.86	6.99	8.81
Sodium Adsorption Ratio (SAR) (meq/L)	37	7.675676	2.949709	5.65	7.6	2.4	12
Solids-Total Dissolved TDS @ 180 C (mg/L)	43	1103.256	492.7219	930	960	790	3700
Solids-Total Dissolved Calculated (mg/L)	43	1093.721	455.4768	934	973	829	3600
Temperature (field, deg C)	43	12.22628	2.271618	11.87	12.58	0.75	14.98
TDS Balance (0.80 - 1.20) (dec.%)	43	1.003488	0.066686	0.96	0.98	0.91	1.19
Turbidity (NTU)	40	2.125	2.698694	0.1	0.7	-0.4	12.9
Metals, Dissolved							
Aluminum-Dissolved (mg/L)	43	0.05		0.05	0.05	0.05	0.05
Arsenic-Dissolved (mg/L)	43	0.000977	0.000545	0.0005	0.001	0.0005	0.002
Barium-Dissolved (mg/L)	43	0.05		0.05	0.05	0.05	0.05
Boron-Dissolved (mg/L)	43	0.068605	0.099417	0.05	0.05	0.05	0.7
Cadmium-Dissolved (mg/L)	43	0.002674	0.000644	0.0025	0.0025	0.0025	0.005
Chromium-Dissolved (mg/L)	43	0.025		0.025	0.025	0.025	0.025
Copper-Dissolved (mg/L)	43	0.005		0.005	0.005	0.005	0.005
Iron-Dissolved (mg/L)	43	0.03686	0.055453	0.015	0.015	0.015	0.28
Lead-Dissolved (mg/L)	43	0.002209	0.006315	0.0005	0.0005	0.0005	0.025
Manganese-Dissolved (mg/L)	43	0.107442	0.096538	0.06	0.08	0.03	0.41
Mercury-Dissolved (mg/L)	43	0.000472	0.000103	0.0005	0.0005	0.0001	0.0005
Molybdenum-Dissolved (mg/L)	43	0.05		0.05	0.05	0.05	0.05
Nickel-Dissolved (mg/L)	43	0.025		0.025	0.025	0.025	0.025
Selenium-Dissolved (mg/L)	43	0.00057	0.000258	0.0005	0.0005	0.0005	0.002

POWERTECH (USA) INC.

Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Selenium-IV-Dissolved (mg/L)	37	0.000514	8.22E-05	0.0005	0.0005	0.0005	0.001
Selenium-VI-Dissolved (mg/L)	37	0.000541	0.000138	0.0005	0.0005	0.0005	0.001
Silver-Dissolved (mg/L)	43	0.002674	0.000644	0.0025	0.0025	0.0025	0.005
Uranium-Dissolved (mg/L)	43	0.003092	0.006324	0.00015	0.0005	0.00015	0.0324
Vanadium-Dissolved (mg/L)	43	0.052326	0.010654	0.05	0.05	0.05	0.1
Zinc-Dissolved (mg/L)	43	0.007209	0.005701	0.005	0.005	0.005	0.03
Metals, Suspended							
Uranium-Suspended (mg/L)	43	0.000266	0.000481	0.00015	0.00015	0.00015	0.0029
Metals, Total							
Antimony-Total (mg/L)	29	0.0015		0.0015	0.0015	0.0015	0.0015
Arsenic-Total (mg/L)	29	0.002207	0.001214	0.00125	0.002	0.0005	0.005
Barium-Total (mg/L)	29	0.055172	0.027854	0.05	0.05	0.05	0.2
Beryllium-Total (mg/L)	29	0.000707	0.000491	0.0005	0.0005	0.0005	0.0025
Boron-Total (mg/L)	29	0.068966	0.102132	0.05	0.05	0.05	0.6
Cadmium-Total (mg/L)	29	0.002431	0.000371	0.0025	0.0025	0.0005	0.0025
Chromium-Total (mg/L)	29	0.025		0.025	0.025	0.025	0.025
Copper-Total (mg/L)	29	0.005		0.005	0.005	0.005	0.005
Iron-Total (mg/L)	29	0.396552	0.474592	0.105	0.15	0.04	1.54
Lead-Total (mg/L)	29	0.0005		0.0005	0.0005	0.0005	0.0005
Manganese-Total (mg/L)	29	0.105862	0.087811	0.06	0.08	0.03	0.4
Mercury-Total (mg/L)	52	0.000316	0.000217	0.00005	0.0005	0.00005	0.0005
Molybdenum-Total (mg/L)	29	0.041207	0.017711	0.05	0.05	0.005	0.05
Nickel-Total (mg/L)	29	0.025		0.025	0.025	0.025	0.025
Selenium-Total (mg/L)	29	0.000776	0.000872	0.0005	0.0005	0.0005	0.005
Silver-Total (mg/L)	29	0.0025		0.0025	0.0025	0.0025	0.0025
Strontium-Total (mg.L)	29	1.924138	1.820058	0.8	1.1	0.6	7.7
Thallium-Total (mg/L)	29	0.0005		0.0005	0.0005	0.0005	0.0005
Uranium-Total (mg/L)	31	0.002124	0.004433	0.00015	0.0004	0.00015	0.0198
Zinc-Total (mg/L)	29	0.007069	0.005904	0.005	0.005	0.005	0.03
Radionuclides							
Gross Alpha-Dissolved (pCi/L)	43	59.03953	132.8379	6.1	15.5	1.4	558
Gross Beta-Dissolved (pCi/L)	43	25.36977	38.32413	9	12.5	-2.1	173

POWERTECH (USA) INC.

Analyte	n	Mean	StDev	Q1	Median	Minimum	Maximum
Major Cations and Anions							
Gross Gamma-Dissolved (pCi/L)	43	1941.326	10641.93		10	ND	70000
Lead 210-Dissolved (pCi/L)	43	0.816279	8.117762	-1.8	0.5	-23	24
Lead 210-Suspended (pCi/L)	43	3.374419	10.19764		0.5	-7.4	57
Lead 210-Total (pCi/L)	6	9.916667	23.06603	0.5	0.5	0.5	57
Polonium 210-Dissolved (pCi/L)	43	0.895349	1.147036	0.1	0.5	-0.3	5.5
Polonium 210-Suspended (pCi/L)	43	0.890698	2.11658	0.2	0.5	-0.2	13
Polonium 210-Total (pCi/L)	6	3.5	5.147815	0.5	0.5	0.5	13
Radium 226-Dissolved (pCi/L)	43	11.75349	28.57341	1.1	2.1	0.1	102
Radium 226-Suspended (pCi/L)	43	0.59093	1.31961	-0.2	0.1	-0.4	5.1
Radium 226-Total (pCi/L)	6	15.96667	31.28985	1.675	3.75	0.1	79.7
Radon 222-Total (pCi/L)	37	14856.3	49404.54	298.5	611	123	219000
Thorium 230-Dissolved (pCi/L)	43	0.081395	0.100607		0.1	ND	0.5
Thorium 230-Suspended (pCi/L)	43	0.109302	0.078115	0.1	0.1	ND	0.3
Thorium 230-Total (pCi/L)	6	0.1		0.1	0.1	0.1	0.1
Thorium 232-Dissolved (mg/L)	43	0.00236	0.000516	0.0025	0.0025	0.0005	0.0025

Mean = Arithmetic mean of those constituents detected above detection limit
StDev = Standard deviation of those constituents detected at or above PQL.
Q1 = First Quartile. The value holding ranked position 0.25 x (n Detected + 1) for each constituent. Value may be interpolated.
Q3 = Third Quartile. The value holding ranked position 0.75 x (n Detected + 1) for each constituent. Value may be interpolated.
Median = The middle value of ranked n Detected. Value may be interpolated.

POWERTECH (USA) INC.

Well Location and Construction Information

Locations of All Wells in the Dewey-Burdock Database

Well ID	Legal Location				SD State Plane 1983		Elevation, ft	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
1	7	1	9	SESE	996095.098	429227.773	3624	Lakota
2	7	1	16	SESE	995122.6159	423922.589	3554	Lakota
3	7	1	22	SWNW	ND	ND	ND	Lakota
4	7	1	15	SESE	1000915.012	423080.6142	3580	Fall River
5	7	1	14	NENW	1003580.429	427284.2174	3643	Lakota
6	7	1	14	NESE	1005616.918	425012.4771	3671	unknown
7	7	1	23	NWNW	1001702.774	422416.855	3574	Fall River
8	7	1	23	SWSE	1004451.179	418514.8505	3558	Fall River
9	7	1	23	NENE	ND	ND	ND	Fall River
10	7	1	13	NENE	ND	ND	ND	Lakota
11	7	1	24	NWSW	ND	ND	ND	Sundance/Unkpapa
12	7	1	4	SESE	995376.7972	434378.5136	3641	Lakota
13	7	1	4	NENE	996758.8703	438470.3951	3673	Lakota
14	7	1	2	NWSW	1002098.748	434723.4041	3672	Lakota
15	7	1	2	NENW	1003703.016	438317.4124	3713	Lakota
16	7	1	1	NESW	1009827.637	434446.9008	3869	Lakota
17	7	1	12	SENW	1008622.303	431329.1544	3789	Fall River
18	7	1	9	SWSW	991210.5573	428960.1458	3566	Fall River
19	7	1	18	SWNW	ND	ND	ND	Fall River
20	7	1	17	SWSW	986070.6362	424628.3007	3563	Fall River
21	7	1	19	SWNW	980440.6072	421760.0599	3569	Fall River
22	40	60	27	NWSW	ND	ND	ND	unknown
23	7	1	29	NWNW	985974.1188	416755.5806	3590	Fall River
24	7	1	28	NWNE	993100.2648	417036.9282	3563	Fall River
25	7	1	27	NWSE	ND	ND	ND	Fall River
26	7	1	35	SWNE	1003612.929	410375.132	3549	Fall River
27	7	1	33	SWSE	ND	ND	ND	Lakota
28	8	2	22	NESW	ND	ND	ND	unknown
29	8	2	16	NENW	ND	ND	ND	unknown
30	7	2	31	SESE	ND	ND	ND	unknown
31	7	2	31	SWNW	ND	ND	ND	Lakota
32	7	2	30	SWSW	ND	ND	ND	Lakota
33	7	1	25	NWSE	ND	ND	ND	Fall River
34	7	2	30	NWNW	ND	ND	ND	unknown
35	7	2	19	NWSE	ND	ND	ND	Lakota
36	7	2	30	NWNE	ND	ND	ND	Lakota
37	7	2	18	NWSW	1012581.749	423947.5161	3689	unknown
38	6	1	33	NWNW	992726.8917	442289.5946	3634	Lakota
39	6	1	29	NENE	ND	ND	ND	unknown

POWERTECH (USA) INC.

Well ID	Legal Location				SD State Plane 1983		Elevation, ft	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
40	6	1	30	SWNW	981813.9304	447183.2347	3635	Other Inyan Kara
41	6	1	31	SWNE	983783.722	442081.4368	3611	Alluvial
42	7	1	5	SWNE	989542.8678	436481.4222	3596	Lakota
43	6	1	34	SWSE	999521.6678	439436.2184	3672	Lakota
44	7	2	31	NWSE	ND	ND	ND	Fall River
45	8	2	5	NWNW	ND	ND	ND	Fall River
46	7	2	31	SWNE	ND	ND	ND	Fall River
47	7	2	32	SWSW	ND	ND	ND	Fall River
48	6	1	19	SENW	ND	ND	ND	Lakota
49	6	1	32	NWNW	987330.6151	444022.8154	3628	Fall River
50	41	60	28	SWNW	ND	ND	ND	Lakota
51	7	1	9	SENE	995810.3298	431486.9525	3615	Lakota
52	7	2	30	NESE	ND	ND	ND	unknown
53	7	2	30	SWNE	ND	ND	ND	unknown
54	7	1	25	NWSE	ND	ND	ND	Fall River
55	7	1	36	NWNE	ND	ND	ND	Fall River
56	7	2	32	SESE	ND	ND	ND	Lakota
57	8	2	5	NESE	ND	ND	ND	Lakota
58	7	1	31	NWNE	ND	ND	ND	Fall River
59	8	2	5	NENW	ND	ND	ND	Fall River
60	7	2	33	NWSE	ND	ND	ND	unknown
61	7	1	11	NWSE	1005230.856	429987.4356	3740	Lakota
62	7	1	25	SWSW	ND	ND	ND	unknown
63	7	1	36	NESW	ND	ND	ND	Fall River
64	8	2	9	SWNE	ND	ND	ND	unknown
65	8	2	9	NWNE	ND	ND	ND	unknown
66	8	2	8	NENW	ND	ND	ND	unknown
67	8	2	8	SENW	ND	ND	ND	unknown
68	8	2	8	NENE	ND	ND	ND	Lakota
69	7	1	25	SWSE	ND	ND	ND	Fall River
70	7	1	25	NESW	ND	ND	ND	Other Inyan Kara
71	8	2	6	NWSE	ND	ND	ND	Fall River
72	8	2	6	NWSE	ND	ND	ND	Fall River
73	8	2	6	NESW	ND	ND	ND	Lakota
74	8	2	6	NESW	ND	ND	ND	Fall River
75	8	2	17	SWSW	ND	ND	ND	Fall River
76	8	2	17	SENW	ND	ND	ND	Fall River
77	8	2	17	NWNE	ND	ND	ND	Fall River
78	8	2	20	NWSE	ND	ND	ND	Fall River
79	8	2	27	NESE	ND	ND	ND	Fall River
80	8	2	35	SWNW	ND	ND	ND	Lakota
81	8	2	14	SWNW	ND	ND	ND	Lakota
82	8	2	10	SWSW	ND	ND	ND	Fall River
83	8	2	14	NESW	ND	ND	ND	Fall River

POWERTECH (USA) INC.

Well ID	Legal Location				SD State Plane 1983		Elevation, ft	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
84	8	2	10	SWNW	ND	ND	ND	Fall River
85	8	2	28	NESE	ND	ND	ND	Fall River
86	8	2	6	NWSW	ND	ND	ND	Fall River
87	8	1	1	SENE	ND	ND	ND	Fall River
88	7	1	35	SESE	1005216.386	408176.9195	3554	Fall River
89	8	1	11	NWNE	ND	ND	ND	Lakota
90	8	2	23	SENW	1033574.095	387507.8887	3572	unknown
91	8	2	12	SENW	ND	ND	ND	Fall River
92	8	2	23	SESW	ND	ND	ND	Fall River
93	8	2	2	SWNE	ND	ND	ND	Lakota
94	7	2	34	SWSW	ND	ND	ND	Lakota
95	40	61	25	SESE	ND	ND	ND	Fall River
96	41	60	22	SWSW	980028.4941	451854.1002	3664	Lakota
98	41	60	17	SWNW	ND	ND	ND	unknown
99	41	60	17	NENE	ND	ND	ND	Lakota
100	41	60	7	NWSE	ND	ND	ND	Lakota
102	6	1	18	SWNE	ND	ND	ND	Lakota
103	41	60	10	NWNW	ND	ND	ND	Lakota
104	41	60	10	NWSW	ND	ND	ND	Lakota
105	41	60	9	SENW	ND	ND	ND	Lakota
106	6	1	18	NENE	ND	ND	ND	unknown
107	6	1	18	SWNE	ND	ND	ND	Fall River
108	6	1	18	SWNE	ND	ND	ND	Fall River
109	6	1	17	NENW	ND	ND	ND	Lakota
110	6	1	17	NENE	ND	ND	ND	Lakota
111	6	1	17	NWNE	ND	ND	ND	Fall River
112	6	1	16	NWSE	ND	ND	ND	Fall River
113	7	2	6	NESW	1014835.904	434417.4002	3844	unknown
114	7	2	7	SESW	1013809.661	428653.8989	3764	Sundance/Unkpapa
115	6	1	18	SENE	986095.9548	457641.2997	3720	Lakota
116	6	1	18	SENE	ND	ND	ND	Fall River
117	6	1	8	SWSE	ND	ND	ND	unknown
118	6	1	7	NESE	ND	ND	ND	unknown
119	6	1	8	NWNW	ND	ND	ND	unknown
120	6	1	5	NWSW	ND	ND	ND	unknown
121	5	1	31	SWSW	ND	ND	ND	Lakota
122	5	1	30	NENW	ND	ND	ND	unknown
123	42	60	21	NENW	ND	ND	ND	unknown
124	5	1	18	NWSW	ND	ND	ND	unknown
125	6	1	6	SWSW	ND	ND	ND	Fall River
126	41	60	16	SESW	ND	ND	ND	Lakota
127	41	60	7	SWNE	ND	ND	ND	Lakota
131	8	2	4	NWSE	ND	ND	ND	Fall River
132	8	2	4	NWSE	ND	ND	ND	Lakota

POWERTECH (USA) INC.

Well ID	Legal Location				SD State Plane 1983		Elevation, ft	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
134	40	60	29	SWNW	ND	ND	ND	unknown
135	8	2	1	SENW	1039467.842	403141.0347	3803	Lakota
136	8	2	5	NWNW	ND	ND	ND	unknown
137	7	2	17	SENW	ND	ND	ND	unknown
138	6	1	18	NENE	ND	ND	ND	Fall River
139	41	60	18	SESE	968658.3552	457463.919	3729	Lakota
140	9	3	19	SWNW	ND	ND	ND	unknown
142	7	2	35	SENW	ND	ND	ND	Fall River
143	8	1	30	SWSE	ND	ND	ND	Fall River
144	9	3	21	SWNE	ND	ND	ND	unknown
145	8	2	3	SWSE	ND	ND	ND	unknown
146	9	2	21	NENW	ND	ND	ND	unknown
147	6	1	17	NESW	989277.4441	456567.2543	3729	Lakota
200	7	2	13	NESW	ND	ND	ND	Sundance/Unkpapa
201	7	2	13	NESW	ND	ND	ND	Sundance/Unkpapa
202	7	2	13	NESW	ND	ND	ND	Sundance/Unkpapa
203	7	2	12	SWSW	ND	ND	ND	Sundance/Unkpapa
204	7	2	12	NWSW	ND	ND	ND	Sundance/Unkpapa
205	7	2	12	SWNE	ND	ND	ND	Sundance/Unkpapa
206	7	2	12	SWNE	ND	ND	ND	Sundance/Unkpapa
207	7	2	12	NENE	ND	ND	ND	unknown
208	7	2	2	SWNW	ND	ND	ND	Sundance/Unkpapa
209	7	2	3	NESE	ND	ND	ND	Sundance/Unkpapa
210	7	2	2	SENW	ND	ND	ND	Sundance/Unkpapa
211	7	2	12	NENW	ND	ND	ND	Sundance/Unkpapa
212	8	3	8	NWSE	ND	ND	ND	unknown
213	7	3	20	SWSE	ND	ND	ND	Sundance/Unkpapa
214	7	3	18	SESW	ND	ND	ND	Sundance/Unkpapa
215	6	2	27	SESE	ND	ND	ND	unknown
216	6	2	22	NENE	ND	ND	ND	unknown
220	6	1	19	SENE	986271.136	452335.2311	3680	unknown
230	7	1	26	SESE	1005735.286	412883.2797	3514	unknown
270	6	1	19	NW SW	982506.8593	451943.3669	3659	Other Inyan Kara
401	9	2	1	SWNW	ND	ND	ND	Madison
402	9	2	1	SWNE	ND	ND	ND	Madison
403	9	2	1	NENE	ND	ND	ND	Madison
404	9	2	1	NENE	ND	ND	ND	Madison
405	9	2	1	NENE	ND	ND	ND	Madison
406	8	2	36	NESE	ND	ND	ND	Other Inyan Kara
407	8	3	33	NWSE	ND	ND	ND	Fall River
408	8	2	36	SENE	ND	ND	ND	Fall River
409	8	2	36	SENE	ND	ND	ND	Other Inyan Kara
410	8	3	32	SENW	ND	ND	ND	Lakota
411	8	2	36	NENE	ND	ND	ND	Lakota

POWERTECH (USA) INC.

Well ID	Legal Location				SD State Plane 1983		Elevation, ft	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
412	8	2	27	SWSW	ND	ND	ND	Lakota
413	8	1	30	SENW	ND	ND	ND	Sundance/Unkpapa
414	8	3	27	NWNW	ND	ND	ND	Lakota
415	8	2	27	NESE	ND	ND	ND	Lakota
416	8	3	20	NWSE	ND	ND	ND	Other Inyan Kara
417	8	3	20	NWSE	ND	ND	ND	Fall River
418	8	3	20	SENW	ND	ND	ND	Fall River
419	8	2	23	NWNW	ND	ND	ND	Other Inyan Kara
420	8	3	8	NWSE	ND	ND	ND	Other Inyan Kara
421	8	2	8	NWNW	ND	ND	ND	Lakota
422	8	2	6	SWSE	ND	ND	ND	Lakota
423	8	2	3	SESW	ND	ND	ND	Sundance/Unkpapa
424	8	3	6	NWSE	ND	ND	ND	Sundance/Unkpapa
425	7	1	14	SENW	ND	ND	ND	Lakota
427	7	2	2	NWNW	ND	ND	ND	Sundance/Unkpapa
429	6	1	20	SENE	ND	ND	ND	Lakota
431	6	1	20	SENE	ND	ND	ND	Lakota
432	6	1	20	SENE	ND	ND	ND	Lakota
433	6	1	20	SENE	ND	ND	ND	Lakota
436	6	1	20	NWNE	990001.6275	454436.5461	3737	Fall River
440	7	2	3	SWNE	ND	ND	ND	Sundance/Unkpapa
502	6	1	27	NWSE	ND	ND	ND	Alluvial
503	7	1	23	SESE	ND	ND	ND	Sundance/Unkpapa
504	7	1	25	SESE	ND	ND	ND	Fall River
505	7	1	26	NESW	ND	ND	ND	Lakota
506	7	2	8	SWNW	ND	ND	ND	Sundance/Unkpapa
507	7	2	19	NENW	ND	ND	ND	Lakota
508	7	2	19	SWSE	ND	ND	ND	Lakota
510	7	1	12	SESE	1011331.943	428178.1651	3759	Lakota
601	8	2	23	NWNW	1033082.719	388749.7413	3615	Fall River
602	8	2	23	NWNW	1033064.956	388798.1063	3615	Lakota
603	8	2	23	NWNW	1032509.912	388763.8912	3619	Fall River
605	7	1	19	SWSE	1000213.323	428484.0565	3642	Other Inyan Kara
606	7	1	11	SWSW	1002111.841	428609.3226	3668	Lakota
607	7	1	30	SWNW	980219.4441	416377.6182	3611	Fall River
608	7	1	30	NWNW	980228.9136	416454.5538	3610	Lakota
609	6	1	29	NWNE	990133.3233	447808.3157	3702	Lakota
610	6	1	29	NWNE	989998.0402	447969.5677	3704	Fall River
611	6	1	20	NWNe	990235.5648	453958.8872	3731	Lakota
612	6	1	20	NWNE	990155.9068	454134.255	3732	Lakota
613	6	1	20	NWNE	990523.3586	453775.7939	3738	Fall River
614	6	1	20	NWNE	990583.8178	453770.1565	3739	Fuson
615	6	1	20	NWNE	990570.9895	453708.8761	3738	Lakota
616	6	1	20	SWNE	990534.0726	453142.1358	3745	Lakota

POWERTECH (USA) INC.

Well ID	Legal Location				SD State Plane 1983		Elevation, ft	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
617	6	1	20	NENW	989427.4846	453586.6258	3723	Lakota
618	7	1	2	SENE	1006472.742	435906.7583	3759	unknown
619	7	1	2	NWNW	1003265.119	436729.3703	3701	Lakota
620	6	1	35	NWNW	1002350.318	443210.0993	3731	Lakota
621	6	1	27	NWSE	1000329.315	446398.1082	3717	Alluvial
622	6	1	20	NENE	991174.522	454033.7715	3747	Fall River
623	6	1	20	NENE	991068.0984	454300.3846	3750	Lakota
625	41	60	9	SESE	978764.4747	462270.3858	3816	Fall River
626	41	60	9	SWSE	978610.2151	462329.8362	3826	Lakota
627	6	1	18	SWNW	983044.3999	458921.5345	3713	unknown
628	6	1	20	SESE	991052.9337	449402.6524	3737	Other Inyan Kara
631	6	1	23	SWSW	1002733.997	448993.2386	3744	Fall River
632	6	1	23	SWNW	1002886.897	453010.3544	3747	unknown
633	6	1	14	SESW	1004801.912	455118.8232	3764	unknown
634	6	1	34	NESE	1000900.563	440168.275	3689	unknown
635	7	1	14	NENW	1004084.632	427130.8303	3643	Sundance/Unkpapa
636	7	1	11	NESW	1003173.25	429982.3145	3698	unknown
637	7	1	11	NESE	1006473.976	430320.5883	3743	unknown
638	7	1	2	NENE	1006668.16	437976.7587	3791	Fall River
639	7	2	7	SENW	1014103.328	430722.0265	3771	unknown
640	7	1	12	SESE	1011409.499	427965.0894	3754	unknown
642	7	1	12	SESE	1011325.121	428042.0134	3757	unknown
643	7	2	30	SESE	1015635.469	412200.2634	3575	Lakota
644	7	2	30	SESE	1015632.054	412253.3734	3575	Fall River
645	7	1	16	NENE	996079.9657	427998.3964	3609	unknown
646	7	1	15	SWNE	999646.4859	426408.9229	3611	Fall River
650	7	1	1	SESE	1012338.763	433014.833	3820	Lakota
651	7	1	14	NWSE	1004407.769	424246.1432	3600	Lakota
652	7	1	2	NWSE	1004758.754	434742.6477	3748	Other Inyan Kara
653	7	1	22	NWNE	999078.2979	422487.0492	3569	unknown
654	6	1	34	NWNE	1000770.962	443410.2383	3687	Other Inyan Kara
655	6	1	34	NENE	1001852.878	443307.3946	3719	Other Inyan Kara
656	6	1	31	SENW	982628.247	442000.9299	3622	unknown
657	6	1	20	NWNE	ND	ND	ND	Lakota
658	7	1	15	SWNE	ND	ND	ND	Lakota
659	7	1	10	SWNE	ND	ND	ND	Fall River
660	7	1	10	SWNE	ND	ND	ND	Lakota
661	7	1	12	NENW	ND	ND	ND	Lakota
662	7	1	11	SESW	ND	ND	ND	unknown
663	7	1	10	SWSE	ND	ND	ND	Lakota
664	7	1	10	SWSE	ND	ND	ND	Fall River
665	7	1	10	SESE	ND	ND	ND	Fall River
666	7	1	10	SESE	ND	ND	ND	Lakota
668	7	1	15	NWNE	999428.155	427450.3155	3622	Other Inyan Kara

POWERTECH (USA) INC.

Well ID	Legal Location				SD State Plane 1983		Elevation, ft	Aquifer
	T.	R.	Sec.	Qrt Qrt	East (ft)	North (ft)		
669	7	1	15	NWNE	ND	ND	ND	Lakota
670	7	1	15	NWNE	ND	ND	ND	Fuson
671	7	1	15	NWNE	ND	ND	ND	Fall River
672	7	1	15	NWNE	ND	ND	ND	Fall River
673	7	1	15	NWNE	ND	ND	ND	Fuson
674	7	1	15	NWNE	ND	ND	ND	Lakota
675	7	2	31	SESE	1015340.264	406352.2188	3492	Alluvial
676	6	1	34	SESW	999245.0312	439891.6372	3662	Alluvial
677	7	1	4	SWSW	991925.5409	434077.2303	3562	Alluvial
678	7	1	9	SWNE	994921.194	431925.7016	3595	Alluvial
679	6	1	27	NWSE	1000693.36	446245.4324	3715	Alluvial
680	7	1	11	NESW	1003476.59	429969.0789	3688	Lakota
681	6	1	32	NWNE	988728.3431	443725.3264	3624	Fall River
682	7	1	11	SENW	1003535.474	431259.5932	3720	Lakota
683	6	1	29	NESW	988607.893	446108.0187	3669	Fall River
684	7	1	11	NESW	1003586.926	429745.8227	3691	Lakota
685	6	1	32	NWNE	989085.4868	443415.4025	3626	Fall River
686	7	1	11	NESW	1003365.421	429751.8227	3694	Lakota
687	6	1	32	NENW	988476.4049	443730.5899	3626	Fall River
688	7	1	11	NESW	1003425.818	429974.4313	3687	Fall River
689	6	1	32	NENW	988715.0026	443789.1861	3626	Lakota
690	7	1	11	NESW	1003512.176	429971.0682	3700	Sundance/Unkpapa
691	6	1	32	NENW	988764.8084	443706.8807	3626	Fall River
692	7	1	11	NESW	1003466.908	429999.5069	3701	Lakota
693	6	1	32	NENW	988727.3316	443667.2062	3626	Sundance/Unkpapa
694	7	1	15	NWNW	997116.0514	426836.0704	3600	Fall River
695	6	1	32	SESE	990783.4225	439312.5055	3594	Fall River
696	7	1	15	NWNW	997086.1856	426946.4439	3602	Lakota
697	6	1	32	SESE	990748.4216	439347.3562	3594	Lakota
698	7	1	2	SENW	1004307.778	435651.0652	3739	Fall River
703	7	1	1	SWSE	1010020.507	434334.3457	3877	Sundance/Unkpapa
704	7	1	5	SWNE	989364.5045	436647.6682	3599	Sundance/Unkpapa
2020	7	1	17	NWSW	986286.6643	424857.9008	3565	unknown
3002	7	2	31	SESE	ND	ND	ND	unknown
3026	7	1	1	SESE	1012037.43	432833.2349	3822	Lakota
4002	6	1	30	NWSW	981812.8541	446932.2402	3621	Other Inyan Kara
5002	41	60	28	SWSW	ND	ND	ND	Other Inyan Kara
7002	7	1	23	NWNW	1001731.47	421930.808	3571	Lakota
8002	7	1	23	SWSE	1004651.515	418556.4148	3550	Lakota
8003	7	1	23	SWSE	1004520.892	418530.8085	3543	Other Inyan Kara
8802	7	1	35	SESE	1005923.05	407436.6955	3554	Fall River
8803	7	1	35	SESE	1005445.181	407730.2169	3552	unknown

POWERTECH (USA) INC.

All Abandoned Wells near the Dewey-Burdock Uranium ISR Project

Well ID	Depth, ft	Depth to Top Screen, ft	Depth to Bottom Screen, ft	Casing Diameter, in	Casing Condition (Surface Observation)	Cement Condition	Aquifer	Located in Field	Data Origin
5	850	UNK	UNK	5	leaky	UNK	2	yes	TVA EIS Report
6	UNK	UNK	UNK	12	little rust	UNK	7	yes	GPS
GPS5	495	UNK	UNK	4	not good	UNK	2	yes	TVA EIS Report
41	UNK	UNK	UNK	6	UNK	UNK	4	yes	TVA EIS Report
43	350	UNK	UNK	4	cant see under tent	UNK	2	yes	TVA EIS Report
44	130	UNK	UNK	UNK	UNK	UNK	1	no	TVA Data
88	320	UNK	UNK	UNK	UNK	UNK	1	yes	TVA EIS Report
113	UNK	UNK	UNK	UNK	windmill	UNK	7	yes	GPS
502	46	UNK	UNK	UNK	UNK	UNK	4	no	TVA EIS Report
606	UNK	UNK	UNK	UNK	not good	UNK	2	yes	TVA EIS Report
621	500	UNK	UNK	UNK	unknown	UNK	4	yes	TVA EIS Report
632	UNK	UNK	UNK	UNK	unknown	UNK	7	yes	GPS
634	UNK	UNK	UNK	UNK	no	UNK	7	yes	GPS
636	UNK	UNK	UNK	7	slightly rusty	UNK	7	yes	GPS
638	180	UNK	UNK	2	little rusty	UNK	1	yes	TVA EIS Report
639	UNK	UNK	UNK	UNK	none visible	UNK	7	yes	GPS
640	UNK	UNK	UNK	1	good	UNK	7	yes	GPS
642	UNK	UNK	UNK	5	open bad	UNK	7	yes	GPS
645	UNK	UNK	UNK	UNK	hand pump	UNK	7	yes	GPS
651	UNK	UNK	UNK	2	moderate	UNK	2	yes	TVA EIS Report
652	280	UNK	UNK	UNK	UNK	UNK	3	yes	GPS
653	UNK	UNK	UNK	UNK	UNK	UNK	7	yes	GPS
654	UNK	UNK	UNK	8	UNK	UNK	3	yes	GPS
655	UNK	UNK	UNK	12	UNK	UNK	3	yes	GPS
659	UNK	UNK	UNK	UNK	UNK	UNK	1	no	TVA Data
660	UNK	UNK	UNK	UNK	UNK	UNK	2	no	TVA Data

POWERTECH (USA) INC.

Known Alluvial Wells at the Dewey-Burdock Uranium ISR Project

Well ID	Name Other	Date Drilled	Depth, ft	Depth to Top Screen, ft	Depth to Bottom Screen, ft	Casing Diameter, in	Casing Condition (Surface Observation)	Cement Condition	Use Type	Water Quality Sampling Frequency	Data Origin
675	Alluvial on Cheyenne River at Marietta		14.4	4	14	2	new pvc		monitor	Quarterly	Well Completion Report
676	Alluvial on Pass Creek at old Spencer Ranch		22.5	12	22	2	new pvc		monitor	Quarterly	Well Completion Report
677	Alluvial on Beaver Creek near Putnam		14.5	4	14	2	new pvc		monitor	Quarterly	Well Completion Report
678	Alluvial on Pass Creek downstream of Dewey Rd		14.5	4	14	2	new pvc		monitor	Quarterly	Well Completion Report
679	Alluvial on Pass Creek at Doran Ranch		39	29	39	2	new pvc		monitor	Quarterly	Well Completion Report

POWERTECH (USA) INC.

Known Fall River Aquifer Wells at the Dewey-Burdock Uranium ISR Project

Well ID	Name Other	Date Drilled	Depth, ft	Depth to Top Screen, ft	Depth to Bottom Screen, ft	Casing Diameter, in	Casing Condition (Surface Observation)	Cement Condition	Use Type	Flowing Artesian	Water Quality Sampling Frequency	Data Origin
4	D-19		2264	UNK	UNK	3	rusty leaky	UNK	stock	yes	once	TVA EIS Report
7	D-27		200	UNK	UNK	6	UNK	UNK	domestic	UNK	quarterly	TVA EIS Report
8	D-29		240	UNK	UNK	6	UNK	UNK	domestic	yes	quarterly	TVA Data
17	D-13		156	UNK	UNK	3	little rusty	UNK	stock	no	none	Well Completion Report
18	D-10		527	UNK	UNK	4	UNK	UNK	domestic	yes	quarterly	TVA EIS Report
20	D-21		530	UNK	UNK	UNK	UNK	UNK	domestic	UNK	none	TVA EIS Report
21	D-23		910	UNK	UNK	UNK	UNK	UNK	stock	UNK	none	TVA EIS Report
23	D-40		600	UNK	UNK	UNK	UNK	UNK	stock	no	none	TVA EIS Report
24	D-39		600	UNK	UNK	UNK	UNK	UNK	stock	yes	none	TVA EIS Report
26	D-42		350	UNK	UNK	UNK	UNK	UNK	other	no	none	TVA EIS Report
49			600	UNK	UNK	4	good	UNK	stock	yes	water level	TVA Data
436	DPZ-3 FR, 6S 1E20AB2		590	UNK	UNK	UNK	UNK	UNK	monitor	no	none	USGS
601	BPZ 14 FR		UNK	UNK	UNK	1	okay	UNK	monitor	UNK	none	Well Completion Report
603	8S 2E23BBA		UNK	UNK	UNK	6	UNK	UNK	UNK	UNK	none	USGS
607	BPZ 18 FR		UNK	UNK	UNK	1	okay	UNK	monitor	no	water level	TVA Data
610	BPZ 20 FR		680	630	672	1	good cond capped	UNK	monitor	no	water level	Well Completion Report
613	DPZ 1 FR, 6S1E20AD6		580	504	580	4	okay	UNK	monitor	no	water level	Well Completion Report
622	DPZ 4 FR, 6S 1E20AA		520	503	580	4	okay	UNK	monitor	no	monthly	Well Completion Report
625	BPZ 22 FR		630	UNK	UNK	1	okay	UNK	monitor	no	none	TVA Data
631			80	30	80	5	steel	UNK	stock	no	quarterly	Well Completion Report
644	BPZ 16 FR		UNK	UNK	UNK	1	okay	UNK	monitor	no	none	Well Completion Report
646	BPZ-9 FR		UNK	UNK	UNK	UNK	UNK	UNK	monitor	yes	none	GPS
681	DB07-32-3C		600	585	600	6	new PVC	UNK	pump test well	yes	monthly	Well Completion Report
683	DB07-29-7		650	635	650	4	new	UNK	monitor	no	once	Well Completion Report
685	DB07-32-4C		595	580	595	4	new PVC	UNK	monitor	yes	once	Well Completion Report
687	DB07-32-5		608	590	605	4	new PVC	UNK	monitor	yes	once	Well Completion Report

POWERTECH (USA) INC.

Well ID	Name Other	Date Drilled	Depth, ft	Depth to Top Screen, ft	Depth to Bottom Screen, ft	Casing Diameter, in	Casing Condition (Surface Observation)	Cement Condition	Use Type	Flowing Artesian	Water Quality Sampling Frequency	Data Origin
688	DB08-11-17		255	245	255	6	UNK	UNK	monitor	no	monthly	Well Completion Report
691	DB07-32-9C		505	490	505	6	new pvc	UNK	monitor	yes	once	Well Completion Report
694	DB08-15-02		392	377	392	6	new pvc	UNK	monitor	yes	monthly	Well Completion Report
695	DB08-32-13		508	493	508	6	new pvc	UNK	monitor	yes	monthly	Well Completion Report
698	DB08-02-01		205	180	205	6	new pvc	UNK	monitor	no	monthly	Well Completion Report
8802	D-44, 88B		320	UNK	UNK	UNK	UNK	UNK	stock past	UNK	none	TVA EIS Report

Known Fuson Wells at the Dewey-Burdock Uranium ISR Project

Well ID	Name Other	Date Drilled	Depth, ft	Depth to Top Screen, ft	Depth to Bottom Screen, ft	Casing Diameter, in	Casing Condition (Surface Observation)	Cement Condition	Use Type	Flowing Artesian	Water Quality Sampling Frequency	Data Origin
614	DPZ 1 FU, 6S1E20AD2		620	609	620	4	okay	UNK	6	no	2	Well Completion Report

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Known Lakota Aquifer Wells at the Dewey-Burdock Uranium ISR Project

Well ID	Name Other	Date Drilled	Depth, ft	Depth to Top Screen, ft	Depth to Bottom Screen, ft	Casing Diameter, in	Casing Condition (Surface Observation)	Cement Condition	Use Type	Flowing Artesian	Water Quality Sampling Frequency	Data Origin
1	D-11		600	UNK	UNK	4	really rusty		stock	yes	none	TVA EIS Report
2	D-20		650	566	650	5	UNK		domestic	yes	quarterly	Well Completion Report
12	D-7		805	UNK	UNK	5	okay ltl rusty		stock	yes	water level	TVA EIS Report
13	D-6		625	580	625	5	UNK		domestic	no	quarterly	Well Completion Report
14	D-5		470	UNK	UNK	4	fairly rusty		none	no	none	TVA EIS Report
16	D-1		330	UNK	UNK	5	UNK		domestic	no	quarterly	TVA EIS Report
38	B-4		494	UNK	UNK	4	slightly rusty		stock	yes	water level	Well Completion Report
42	D-8		600	UNK	UNK	5	UNK		domestic	yes	quarterly	TVA EIS Report
51	D-9		550	UNK	UNK	10	UNK		other	yes	none	TVA EIS Report
61	D-12		525	UNK	UNK	5	UNK		stock	no	none	TVA EIS Report
96			560	UNK	UNK	5	UNK		domestic	yes	none	TVA Data
115			UNK	UNK	UNK	UNK	okay		domestic	yes	none	Well Completion Report
135			360	UNK	UNK	UNK	UNK		domestic	no	none	TVA Data
139			620	UNK	UNK	UNK	UNK		stock	yes	none	TVA Data
147	DPZ -8 LAK, 6S 1E17CAC		750	UNK	UNK	1	okay		monitor	no	none	USGS
510	D-14, 7S 1E12DD		540	300	520	5	PVC		stock	yes	none	Well Completion Report
602	BPZ 14 LAK		UNK	UNK	UNK	1	okay		monitor	UNK	none	Well Completion Report
608	BPZ 18 LAK		UNK	UNK	UNK	1	okay		monitor	UNK	water level	TVA Data
609	BPZ 20 LAK, 6S 1E29ABDC		1000	903	966	4	good capped		monitor	no	water level	Well Completion Report
611	Dewey TVA Pump Well		815	695	800	UNK	UNK		pump test well	no	none	Well Completion Report
612	DPZ 2 LK, 6S 1E20AB		UNK	UNK	UNK	4	okay		monitor	no	none	USGS
615	DPZ 1 LK		800	712	800	4	okay		monitor	no	monthly	Well Completion Report
616	DPZ 5 LK		795	735	835	4	okay		monitor	no	none	Well Completion Report
617	DPZ 6 LK, 6S 1E20AC		810	715	810	4	okay		monitor	no	none	Well Completion Report
619	D-4, Daniels West 1, MET		280	UNK	UNK	4	ok ltl rust		stock	no	quarterly	TVA EIS Report
620	Spencer Mine Well		UNK	UNK	UNK	UNK	good		stock	no	none	GPS

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Well ID	Name Other	Date Drilled	Depth, ft	Depth to Top Screen, ft	Depth to Bottom Screen, ft	Casing Diameter, in	Casing Condition (Surface Observation)	Cement Condition	Use Type	Flowing Artesian	Water Quality Sampling Frequency	Data Origin
623	DPZ 4 L, 6S 1E20AA(2)		765	714	780	4	okay		monitor	no	none	Well Completion Report
626	BPZ 22 LAK		640	UNK	UNK	4	UNK		UNK	no	none	TVA Data
643	BPZ 16 LAK		UNK	UNK	UNK	1	okay		monitor	UNK	none	Well Completion Report
650	Daniels Bennet Canyon		UNK	UNK	UNK	4	rusty		stock	no	quarterly	GPS
680	DB07-11-11C		436	426	436	6	new PVC		pump test well	no	monthly	Well Completion Report
682	DB07-11-2		460	450	460	4	new PVC		monitor	no	once	Well Completion Report
684	DB07-11-14C		423	413	423	4	new pvc		monitor	no	once	Well Completion Report
686	DB07-11-15		428	418	428	4	new PVC		monitor	no	once	Well Completion Report
689	DB07-32-10,		730	715	730	6	UNK		monitor	yes	monthly	Well Completion Report
692	DB08-11-19		327	325	335	6	new pvc		monitor	no	once	Well Completion Report
696	DB08-15-03		587	572	587	6	new pvc		monitor	yes	monthly	Well Completion Report
697	DB08-32-12		682	667	682	6	new pvc		monitor	yes	monthly	Well Completion Report
3026	DB08-01-06		196	166	196	6	new		monitor	no	monthly	Well Completion Report
7002	D-26, 7S		500	UNK	UNK	6	poor		stock	yes	quarterly	TVA EIS Report
8002	D-28, 8S		500	UNK	UNK	6	poor		stock	yes	water level	TVA EIS Report

POWERTECH (USA) INC.

Known Sundance or Unkpapa Aquifer Wells at the Dewey-Burdock Uranium ISR Project

Well ID	Name Other	Date Drilled	Depth, ft	Depth to Top Screen, ft	Depth to Bottom Screen, ft	Casing Diameter, in	Casing Condition (Surface Observation)	Cement Condition	Use Type	Flowing Artesian	Water Quality Sampling Frequency	Data Origin
635	7S 1E14BAAC		880	666	780	6	leaky	UNK	stock	yes	quarterly	well completion report
114	E-2		365	UNK	UNK	UNK	UNK	UNK	stock	no	none	TVA EIS Report
690	DB08-11-18		623	621	631	6	new pvc		monitor	yes	once	well completion report
704	DB08-05-01		955	915	955	6	new		other	yes	none	well completion report
693	DB07-32-11		910	910	930	6	new pvc		monitor	yes	once	well completion report
703	DB08-01-07		525	475	525	6	new		other	no	none	well completion report

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Groundwater Quality

Additional Water Quality Data and Statistics by Well

Well #2				
Analyte	9/26/2007 12:46	11/12/2007 9:25	2/12/2008 10:21	5/30/2008 15:21
A/C Balance (± 5) (%)	-2.46	0.663	-2.6	3.25
Alkalinity-Total as CaCO3 (mg/L)	214	208	88	212
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	0.4	0.8	0.3
Anions (meq/L)	16.7	16.5	53.3	16.6
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			<0.001	0.004
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	261	254	107	258
Boron-Dissolved (mg/L)	<0.1	<0.1	0.7	0.1
Boron-Total (mg/L)			0.6	<0.1
Cadmium-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005
Calcium-Dissolved (mg/L)	48.5	51.7	241	57.8
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	15.9	16.7	50.6	17.7
Chloride (mg/L)	10	11	26	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1570	1500	4400	1670
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.2	0.2	0.4	0.3
Gross Alpha-Dissolved (pCi/L)	1.4	8.7	3.5	8.2
Gross Beta-Dissolved (pCi/L)	9.3	12.4	14.4	10.3
Gross Gamma-Dissolved (pCi/L)	<20	260	<20	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)			1.32	1.54
Lead 210-Dissolved (pCi/L)	<1	<1	<1	3.1
Lead 210-Suspended (pCi/L)	<1	<1	<1	1.4
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.05	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001
Magnesium-Dissolved (mg/L)	15.8	16.6	87	19
Manganese-Dissolved (mg/L)	0.08	0.08	0.07	0.08
Manganese-Total (mg/L)			0.06	0.09
Mercury-Dissolved (mg/L)	<0.0002	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001

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Analyte	Well #2 9/26/2007 12:46	11/12/2007 9:25	2/12/2008 10:21	5/30/2008 15:21
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			0.02	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		140	120	190
pH	7.91	7.85	7.94	7.92
Polonium 210-Dissolved (pCi/L)	<1	2	2.7	0.1
Polonium 210-Suspended (pCi/L)	<1	<1	<1	
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	11.5	11.4	7.8	11
Radium 226-Dissolved (pCi/L)	<0.2	1.3	1.1	2.1
Radium 226-Suspended (pCi/L)	2.2	<0.2	0.7	0.2
Radium 226-Total (pCi/L)	2.2			
Radon 222-Total (pCi/L)		674	908	727
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	0.001	<0.001
Selenium-Total (mg/L)			0.002	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	0.001	<0.001
Silica-Dissolved (mg/L)	8	8.1	10.2	4.3
Silver-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		8.8	10	8.7
Sodium-Dissolved (mg/L)	273	286	716	297
Solids-Total Dissolved Calculated (mg/L)	1070	1090	3600	1110
Solids-Total Dissolved TDS @ 180 C (mg/L)	1100	1100	3700	1100
Strontium-Total (mg.L)			5.7	1.8
Sulfate (mg/L)	583	577	2440	579
TDS Balance (0.80 - 1.20) (dec.%)	1	0.97	1.02	0.96
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	<0.2	0.1
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.001	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	<0.0003	0.0004	<0.0003
Uranium-Suspended (mg/L)	0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.0004		<0.0005	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01

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Well #2								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.28675	2.797902	-2.565	-0.8985	2.60325	-2.6	3.25	4
Alkalinity-Total as CaCO3 (mg/L)	180.5	61.7171	118	210	213.5	88	214	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.3875	0.311916	0.1125	0.35	0.7	0.05	0.8	4
Anions (meq/L)	25.775	18.35018	16.525	16.65	44.15	16.5	53.3	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Arsenic-Total (mg/L)	0.00225	0.002475		0.00225		0.0005	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	220	75.38789	143.75	256	260.25	107	261	4
Boron-Dissolved (mg/L)	0.225	0.317543	0.05	0.075	0.55	0.05	0.7	4
Boron-Total (mg/L)	0.325	0.388909		0.325		0.05	0.6	2
Cadmium-Dissolved (mg/L)	0.003125	0.00125	0.0025	0.0025	0.004375	0.0025	0.005	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	99.75	94.24565	49.3	54.75	195.2	48.5	241	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	25.225	16.93269	16.1	17.2	42.375	15.9	50.6	4
Chloride (mg/L)	14	8.041559	9.25	10.5	22.25	9	26	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	2285	1411.725	1517.5	1620	3717.5	1500	4400	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.275	0.095743	0.2	0.25	0.375	0.2	0.4	4
Gross Alpha-Dissolved (pCi/L)	5.45	3.574446	1.925	5.85	8.575	1.4	8.7	4
Gross Beta-Dissolved (pCi/L)	11.6	2.270095	9.55	11.35	13.9	9.3	14.4	4
Gross Gamma-Dissolved (pCi/L)	70	126.7544	2.5	10	197.5		260	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	1.43	0.155563		1.43		1.32	1.54	2
Lead-Dissolved (mg/L)	0.006625	0.01225	0.0005	0.0005	0.018875	0.0005	0.025	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	1.15	1.3	0.5	0.5	2.45	0.5	3.1	4
Lead 210-Suspended (pCi/L)	0.725	0.45	0.5	0.5	1.175	0.5	1.4	4

POWERTECH (USA) INC.

Well #2								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	34.6	34.95979	16	17.8	70	15.8	87	4
Manganese-Dissolved (mg/L)	0.0775	0.005	0.0725	0.08	0.08	0.07	0.08	4
Manganese-Total (mg/L)	0.075	0.021213		0.075		0.06	0.09	2
Mercury-Dissolved (mg/L)	0.0004	0.0002	0.0002	0.0005	0.0005	0.0001	0.0005	4
Mercury-Total (mg/L)	0.000388	0.000225	0.000163	0.0005	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.035	0.021213		0.035		0.02	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	150	36.05551	120	140	190	120	190	3
pH	7.905	0.03873	7.865	7.915	7.935	7.85	7.94	4
Polonium 210-Dissolved (pCi/L)	1.325	1.228481	0.2	1.25	2.525	0.1	2.7	4
Polonium 210-Suspended (pCi/L)	0.375	0.25	0.125	0.5	0.5		0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	10.425	1.763283	8.6	11.2	11.475	7.8	11.5	4
Radium 226-Dissolved (pCi/L)	1.15	0.822598	0.35	1.2	1.9	0.1	2.1	4
Radium 226-Suspended (pCi/L)	0.8	0.969536	0.125	0.45	1.825	0.1	2.2	4
Radium 226-Total (pCi/L)	2.2			2.2		2.2	2.2	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	769.6667	122.6961	674	727	908	674	908	3
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.000667	0.000289	0.0005	0.0005	0.001	0.0005	0.001	3
Selenium-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Selenium-VI-Dissolved (mg/L)	0.000667	0.000289	0.0005	0.0005	0.001	0.0005	0.001	3
Silica-Dissolved (mg/L)	7.65	2.452889	5.225	8.05	9.675	4.3	10.2	4
Silver-Dissolved (mg/L)	0.003125	0.00125	0.0025	0.0025	0.004375	0.0025	0.005	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	393	215.5566	276.25	291.5	611.25	273	716	4
Sodium Adsorption Ratio (SAR) (meq/L)	9.166667	0.723418	8.7	8.8	10	8.7	10	3
Solids-Total Dissolved Calculated (mg/L)	1717.5	1255.106	1075	1100	2977.5	1070	3600	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	1750	1300	1100	1100	3050	1100	3700	4
Strontium-Total (mg/L)	3.75	2.757716		3.75		1.8	5.7	2
Sulfate (mg/L)	1044.75	930.17	577.5	581	1975.75	577	2440	4

POWERTECH (USA) INC.

Well #2								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
TDS Balance (0.80 - 1.20) (dec.%)	0.9875	0.027538	0.9625	0.985	1.015	0.96	1.02	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.002	0.001	0.001	0.0025	0.0025	0.0005	0.0025	4
Uranium-Dissolved (mg/L)	0.000213	0.000125	0.00015	0.00015	0.000338	0.00015	0.0004	4
Uranium-Suspended (mg/L)	0.000188	0.000075	0.00015	0.00015	0.000263	0.00015	0.0003	4
Uranium-Total (mg/L)	0.000267	0.000126	0.00015	0.00025	0.0004	0.00015	0.0004	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

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Analyte	Well #7 10/3/2006 11:12	9/28/2007 17:28	11/12/2007 8:20	2/20/2008 8:45	5/29/2008 11:10
A/C Balance (± 5) (%)		-3.73	1.13	-2.5	8.11
Actinium 228-Dissolved (pCi/L)	<20				
Alkalinity-Total as CaCO3 (mg/L)	170	176	170	170	170
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20				
Ammonia (mg/L)	0.4	0.3	0.4	0.3	0.3
Anions (meq/L)		14.1	15.6	15.9	14.4
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)				<0.001	0.003
Barium 133-Dissolved (pCi/L)	<20				
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	210	215	207	207	207
Bismuth 212-Dissolved (pCi/L)	<20				
Bismuth 214-Dissolved (pCi/L)	300				
Bismuth precision (±) (pCi/L)	18				
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.005
Calcium-Dissolved (mg/L)	37	30	36	32.9	42.1
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)		13	15.9	15.1	17
Cesium 134-Dissolved (pCi/L)	<20				
Cesium 137-Dissolved (pCi/L)	<20				
Chloride (mg/L)	13	12	12	11	11
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Cobalt 60-Dissolved (pCi/L)	<20				
Conductivity @ 25 C (umhos/cm)	1530	1490	1440	1600	1650
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.37	0.3	0.4	0.3	0.4
Gross Alpha precision (±) (pCi/L)	0.8				
Gross Alpha-Dissolved (pCi/L)	17	4.4	7.2	15.5	3.3
Gross Beta precision (±) (pCi/L)	1.6				
Gross Beta-Dissolved (pCi/L)	16	5	14.9	10.1	9.6
Gross Gamma-Dissolved (pCi/L)	<20	1200	130	77	
Iodine 125-Dissolved (pCi/L)	<20				
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				0.41	0.41
Lead 210-Dissolved (pCi/L)		<1	<1	24	0.5
Lead 210-Suspended (pCi/L)		<1	<1	<1	-7.4

POWERTECH (USA) INC.

Well #7					
Analyte	10/3/2006 11:12	9/28/2007 17:28	11/12/2007 8:20	2/20/2008 8:45	5/29/2008 11:10
Lead 210-Total (pCi/L)		<1			
Lead 212-Dissolved (pCi/L)	<20				
Lead 214 precision (±) (pCi/L)	30				
Lead 214-Dissolved (pCi/L)	350				
Lead-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001	<0.001
Magnesium-Dissolved (mg/L)	16	11.5	15.3	14	18.2
Manganese 54-Dissolved (pCi/L)	<20				
Manganese-Dissolved (mg/L)	0.03	0.03	0.03	0.03	0.03
Manganese-Total (mg/L)				0.03	0.03
Mercury-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)				<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)		<0.1	0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5				
Oxidation-Reduction Potential (mV)			210	180	210
pH	8.08	8.13	8.05	8.14	8.17
Polonium 210-Dissolved (pCi/L)		<1	2.1	<1	
Polonium 210-Suspended (pCi/L)		<1	<1	<1	-0.1
Polonium 210-Total (pCi/L)		<1			
Potassium 40-Dissolved (pCi/L)	<20				
Potassium-Dissolved (mg/L)	10	11	11.1	10.8	11
Radium 223-Dissolved (pCi/L)	<20				
Radium 224-Dissolved (pCi/L)	<20				
Radium 226 precision (±) (pCi/L)	0.6				
Radium 226-Dissolved (pCi/L)	2.6	0.6	1.1	0.7	0.9
Radium 226-Suspended (pCi/L)		<0.2	<0.2	<0.9	-0.3
Radium 226-Total (pCi/L)		<0.2			
Radium 228-Dissolved (pCi/L)	<1				
Radon 222-Total (pCi/L)			206	242	451
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001	<0.001
Selenium-Total (mg/L)				<0.001	<0.001
Selenium-VI-Dissolved (mg/L)			<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7	7.5	7.8	7.5	4.1
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)			10	10	9.7
Sodium-Dissolved (mg/L)	270	237	289	276	300
Solids-Total Dissolved Calculated (mg/L)		896	1040	1050	1010
Solids-Total Dissolved TDS @ 180 C	1000	1000	1000	990	960

POWERTECH (USA) INC.

Well #7					
Analyte	10/3/2006 11:12	9/28/2007 17:28	11/12/2007 8:20	2/20/2008 8:45	5/29/2008 11:10
(mg/L)					
Strontium-Total (mg.L)				1	1.1
Sulfate (mg/L)	546	586	567	583	514
TDS Balance (0.80 - 1.20) (dec.%)		1.16	0.98	0.94	0.95
Thallium 208-Dissolved (pCi/L)	<20				
Thallium-Total (mg/L)				<0.001	<0.001
Thorium 228-Dissolved (pCi/L)	<20				
Thorium 230-Dissolved (pCi/L)		<0.2	<0.2	<0.2	
Thorium 230-Suspended (pCi/L)		<0.2	<0.2	0.2	0.2
Thorium 230-Total (pCi/L)		<0.2			
Thorium 232-Dissolved (pCi/L)		<0.005	<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20				
Uranium 238-Dissolved (pCi/L)	<20				
Uranium-Dissolved (mg/L)	<0.001	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)		<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)				<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	48				
Zinc 65-Dissolved (pCi/L)	<20				
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)				<0.01	<0.01

POWERTECH (USA) INC.

Well #7								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (±5) (%)	0.7525	5.321243	-3.4225	-0.685	6.365	-3.73	8.11	4
Alkalinity-Total as CaCO3 (mg/L)	171.5	3	170	170	174.5	170	176	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.325	0.05	0.3	0.3	0.375	0.3	0.4	4
Anions (meq/L)	15	0.883176	14.175	15	15.825	14.1	15.9	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.00175	0.001768		0.00175		0.0005	0.003	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	209	4	207	207	213	207	215	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	35.25	5.182342	30.725	34.45	40.575	30	42.1	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	15.25	1.690168	13.525	15.5	16.725	13	17	4
Chloride (mg/L)	11.5	0.57735	11	11.5	12	11	12	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1545	96.78154	1452.5	1545	1637.5	1440	1650	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.35	0.057735	0.3	0.35	0.4	0.3	0.4	4
Gross Alpha-Dissolved (pCi/L)	7.6	5.516641	3.575	5.8	13.425	3.3	15.5	4
Gross Beta-Dissolved (pCi/L)	9.9	4.047221	6.15	9.85	13.7	5	14.9	4
Gross Gamma-Dissolved (pCi/L)	351.75	568.0131	19.25	103.5	932.5		1200	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.41			0.41		0.41	0.41	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	6.375	11.75	0.5	0.5	18.125	0.5	24	4
Lead 210-Suspended (pCi/L)	-1.475	3.95	-5.425	0.5	0.5	-7.4	0.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	14.75	2.788668	12.125	14.65	17.475	11.5	18.2	4
Manganese-Dissolved (mg/L)	0.03		0.03	0.03	0.03	0.03	0.03	4
Manganese-Total (mg/L)	0.03			0.03		0.03	0.03	2

POWERTECH (USA) INC.

Well #7								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00024	0.000238	0.00005	0.0001	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	200	17.32051	180	210	210	180	210	3
pH	8.1225	0.051235	8.07	8.135	8.1625	8.05	8.17	4
Polonium 210-Dissolved (pCi/L)	0.775	0.914239	0.125	0.5	1.7		2.1	4
Polonium 210-Suspended (pCi/L)	0.35	0.3	0.05	0.5	0.5	-0.1	0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	10.975	0.125831	10.85	11	11.075	10.8	11.1	4
Radium 226-Dissolved (pCi/L)	0.825	0.221736	0.625	0.8	1.05	0.6	1.1	4
Radium 226-Suspended (pCi/L)	0.0875	0.306526	-0.2	0.1	0.3625	-0.3	0.45	4
Radium 226-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	299.6667	132.2888	206	242	451	206	451	3
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.725	1.755705	4.95	7.5	7.725	4.1	7.8	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	275.5	27.47726	246.75	282.5	297.25	237	300	4
Sodium Adsorption Ratio (SAR) (meq/L)	9.9	0.173205	9.7	10	10	9.7	10	3
Solids-Total Dissolved Calculated (mg/L)	999	70.73896	924.5	1025	1047.5	896	1050	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	987.5	18.92969	967.5	995	1000	960	1000	4
Strontium-Total (mg/L)	1.05	0.070711		1.05		1	1.1	2
Sulfate (mg/L)	562.5	33.39162	527.25	575	585.25	514	586	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0075	0.103078	0.9425	0.965	1.115	0.94	1.16	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	0.15	0.057735	0.1	0.15	0.2	0.1	0.2	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4

POWERTECH (USA) INC.

Well #7								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Uranium-Dissolved (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.00015			0.00015		0.00015	0.00015	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

POWERTECH (USA) INC.

Analyte	Well #8 9/26/2007 14:33	11/27/2007 16:30	11/27/2007 16:40	2/5/2008 10:20	5/29/2008 11:41
A/C Balance (± 5) (%)	-2.44	-3.23	-4.83	5.03	5.33
Alkalinity-Total as CaCO3 (mg/L)	168	178	156	166	164
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	0.2	0.3	0.3	0.2
Anions (meq/L)	15	14.8	15.4	13.1	14.3
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001	0.001
Arsenic-Total (mg/L)				<0.001	0.003
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	205	217	190	202	200
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.005
Calcium-Dissolved (mg/L)	48.5	56.4	55.1	52.6	58.9
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	14.3	13.9	13.9	14.5	15.9
Chloride (mg/L)	13	12	12	12	11
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1420	1420	1420	1430	1560
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.4	0.4	0.4	0.5	0.4
Gross Alpha-Dissolved (pCi/L)	5	8.7	9	5.4	3.2
Gross Beta-Dissolved (pCi/L)	15.9	25	29.1	21	16.2
Gross Gamma-Dissolved (pCi/L)	650	970	1200	<20	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				0.21	0.23
Lead 210-Dissolved (pCi/L)	<1	4	<1	3	0.8
Lead 210-Suspended (pCi/L)	<1	<1	<1	1.9	4.9
Lead 210-Total (pCi/L)	<1				
Lead-Dissolved (mg/L)	<0.05	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001	<0.001
Magnesium-Dissolved (mg/L)	21.2	24.6	24.5	22.6	26.3
Manganese-Dissolved (mg/L)	0.08	0.11	0.11	0.08	0.09
Manganese-Total (mg/L)				0.08	0.09
Mercury-Dissolved (mg/L)	<0.0002	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)				<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05	<0.05

POWERTECH (USA) INC.

Analyte	Well #8 9/26/2007 14:33	11/27/2007 16:30	11/27/2007 16:40	2/5/2008 10:20	5/29/2008 11:41
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		150	150	220	210
pH	7.93	7.95	7.94	7.94	7.97
Polonium 210-Dissolved (pCi/L)	<1	<1	<1	1.6	-0.2
Polonium 210-Suspended (pCi/L)	<1	<1	<1	<1	-0.1
Polonium 210-Total (pCi/L)	<1				
Potassium-Dissolved (mg/L)	14.2	15.7	15.2	14.7	13.7
Radium 226-Dissolved (pCi/L)	<0.2	2.7	1.9	1.5	1.2
Radium 226-Suspended (pCi/L)	3.5	<0.2	<0.2	2.8	-0.4
Radium 226-Total (pCi/L)	3.5				
Radon 222-Total (pCi/L)		123	197	329	514
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	0.002	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)				<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	0.001	<0.001
Silica-Dissolved (mg/L)	6.9	6.7	6.6	7.3	3.5
Silver-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		5.6	5.7	6.4	6.5
Sodium-Dissolved (mg/L)	224	199	201	222	240
Solids-Total Dissolved Calculated (mg/L)	962	939	973	879	973
Solids-Total Dissolved TDS @ 180 C (mg/L)	960	1000	1100	1000	940
Strontium-Total (mg.L)				1.6	1.6
Sulfate (mg/L)	540	594	570	455	514
TDS Balance (0.80 - 1.20) (dec.%)	1	1.12	1.09	1.15	0.97
Thallium-Total (mg/L)				<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	<0.2	0.1
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	<0.2	<0.2	
Thorium 230-Total (pCi/L)	<0.2				
Thorium 232-Dissolved (pCi/L)	<0.001	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	<0.0003			<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	0.1
Zinc-Dissolved (mg/L)	<0.01	0.02	0.01	0.02	<0.01
Zinc-Total (mg/L)				<0.01	<0.01

POWERTECH (USA) INC.

Well #8								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.028	4.832734	-4.03	-2.44	5.18	-4.83	5.33	5
Alkalinity-Total as CaCO3 (mg/L)	166.4	7.924645	160	166	173	156	178	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.21	0.10247	0.125	0.2	0.3	0.05	0.3	5
Anions (meq/L)	14.52	0.88713	13.7	14.8	15.2	13.1	15.4	5
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0007	0.000274	0.0005	0.0005	0.001	0.0005	0.001	5
Arsenic-Total (mg/L)	0.00175	0.001768		0.00175		0.0005	0.003	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	202.8	9.731393	195	202	211	190	217	5
Boron-Dissolved (mg/L)	0.06	0.022361	0.05	0.05	0.075	0.05	0.1	5
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.003	0.001118	0.0025	0.0025	0.00375	0.0025	0.005	5
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	54.3	3.960429	50.55	55.1	57.65	48.5	58.9	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	14.5	0.824621	13.9	14.3	15.2	13.9	15.9	5
Chloride (mg/L)	12	0.707107	11.5	12	12.5	11	13	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1450	61.64414	1420	1420	1495	1420	1560	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.42	0.044721	0.4	0.4	0.45	0.4	0.5	5
Gross Alpha-Dissolved (pCi/L)	6.26	2.507588	4.1	5.4	8.85	3.2	9	5
Gross Beta-Dissolved (pCi/L)	21.44	5.69412	16.05	21	27.05	15.9	29.1	5
Gross Gamma-Dissolved (pCi/L)	566	548.115	5	650	1085		1200	5
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	5
Iron-Total (mg/L)	0.22	0.014142		0.22		0.21	0.23	2
Lead-Dissolved (mg/L)	0.0054	0.010957	0.0005	0.0005	0.01275	0.0005	0.025	5
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	1.76	1.63187	0.5	0.8	3.5	0.5	4	5
Lead 210-Suspended (pCi/L)	1.66	1.909974	0.5	0.5	3.4	0.5	4.9	5
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	23.84	1.973069	21.9	24.5	25.45	21.2	26.3	5

POWERTECH (USA) INC.

Well #8								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Manganese-Dissolved (mg/L)	0.094	0.015166	0.08	0.09	0.11	0.08	0.11	5
Manganese-Total (mg/L)	0.085	0.007071		0.085		0.08	0.09	2
Mercury-Dissolved (mg/L)	0.00042	0.000179	0.0003	0.0005	0.0005	0.0001	0.0005	5
Mercury-Total (mg/L)	0.00035	0.000232	0.00005	0.0005	0.0005	0.00005	0.0005	6
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Oxidation-Reduction Potential (mV)	182.5	37.74917	150	180	217.5	150	220	4
pH	7.946	0.015166	7.935	7.94	7.96	7.93	7.97	5
Polonium 210-Dissolved (pCi/L)	0.58	0.645755	0.15	0.5	1.05	-0.2	1.6	5
Polonium 210-Suspended (pCi/L)	0.38	0.268328	0.2	0.5	0.5	-0.1	0.5	5
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	14.7	0.790569	13.95	14.7	15.45	13.7	15.7	5
Radium 226-Dissolved (pCi/L)	1.48	0.954987	0.65	1.5	2.3	0.1	2.7	5
Radium 226-Suspended (pCi/L)	1.22	1.79081	-0.15	0.1	3.15	-0.4	3.5	5
Radium 226-Total (pCi/L)	3.5			3.5		3.5	3.5	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	290.75	171.4961	141.5	263	467.75	123	514	4
Selenium-Dissolved (mg/L)	0.0008	0.000671	0.0005	0.0005	0.00125	0.0005	0.002	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Silica-Dissolved (mg/L)	6.2	1.532971	5.05	6.7	7.1	3.5	7.3	5
Silver-Dissolved (mg/L)	0.003	0.001118	0.0025	0.0025	0.00375	0.0025	0.005	5
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	217.2	17.19593	200	222	232	199	240	5
Sodium Adsorption Ratio (SAR) (meq/L)	6.05	0.465475	5.625	6.05	6.475	5.6	6.5	4
Solids-Total Dissolved Calculated (mg/L)	945.2	39.52468	909	962	973	879	973	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	1000	61.64414	950	1000	1050	940	1100	5
Strontium-Total (mg/L)	1.6			1.6		1.6	1.6	2
Sulfate (mg/L)	534.6	53.78476	484.5	540	582	455	594	5
TDS Balance (0.80 - 1.20) (dec.%)	1.066	0.077653	0.985	1.09	1.135	0.97	1.15	5
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	5

POWERTECH (USA) INC.

Well #8								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Thorium 230-Suspended (pCi/L)	0.08	0.044721	0.05	0.1	0.1		0.1	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0021	0.000894	0.0015	0.0025	0.0025	0.0005	0.0025	5
Uranium-Dissolved (mg/L)	0.00018	6.71E-05	0.00015	0.00015	0.000225	0.00015	0.0003	5
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	5
Uranium-Total (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	3
Vanadium-Dissolved (mg/L)	0.06	0.022361	0.05	0.05	0.075	0.05	0.1	5
Zinc-Dissolved (mg/L)	0.012	0.007583	0.005	0.01	0.02	0.005	0.02	5
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

POWERTECH (USA) INC.

Analyte	Well #13 10/3/2006 11:36	9/27/2007 15:45	11/12/2007 12:15	2/20/2008 14:41	5/19/2008 12:20
A/C Balance (± 5) (%)		-1.26	-3.53	-4.96	6.97
Actinium 228-Dissolved (pCi/L)	<20				
Alkalinity-Total as CaCO3 (mg/L)	170	168	142	160	156
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20				
Ammonia (mg/L)	0.2	0.6	0.1	<0.1	<0.1
Anions (meq/L)		12.3	14	13.9	12.6
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)				<0.001	0.001
Barium 133-Dissolved (pCi/L)	<20				
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	200	205	173	195	190
Bismuth 212-Dissolved (pCi/L)	<20				
Bismuth 214-Dissolved (pCi/L)	<20				
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.001
Calcium-Dissolved (mg/L)	61	57.4	61.3	58	72.4
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)		12	13.1	12.6	14.5
Cesium 134-Dissolved (pCi/L)	<20				
Cesium 137-Dissolved (pCi/L)	<20				
Chloride (mg/L)	11	11	11	10	10
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Cobalt 60-Dissolved (pCi/L)	<20				
Conductivity @ 25 C (umhos/cm)	1290	1280	1140	1330	1420
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.43	0.4	0.4	0.5	0.5
Gross Alpha precision (±) (pCi/L)	0.7				
Gross Alpha-Dissolved (pCi/L)	12	8.9	7.5	19.5	4.2
Gross Beta precision (±) (pCi/L)	1.7				
Gross Beta-Dissolved (pCi/L)	17	9.6	11.7	11.4	10.3
Gross Gamma-Dissolved (pCi/L)	<20	<20	4300	<20	
Iodine 125-Dissolved (pCi/L)	<20				
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				3.11	4.56
Lead 210-Dissolved (pCi/L)		<1	<1	4.7	4.1
Lead 210-Suspended (pCi/L)		<1	<1	<1	-0.2
Lead 210-Total (pCi/L)		<1			

POWERTECH (USA) INC.

Analyte	Well #13 10/3/2006 11:36	9/27/2007 15:45	11/12/2007 12:15	2/20/2008 14:41	5/19/2008 12:20
Lead 212-Dissolved (pCi/L)	<20				
Lead 214-Dissolved (pCi/L)	<20				
Lead-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001	<0.001
Magnesium-Dissolved (mg/L)	22	21	25.1	22.4	29.5
Manganese 54-Dissolved (pCi/L)	<20				
Manganese-Dissolved (mg/L)	0.11	0.1	0.2	0.16	0.2
Manganese-Total (mg/L)				0.16	0.2
Mercury-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)				<0.01	<0.01
Nickel-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)		<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5				
Oxidation-Reduction Potential (mV)			230	200	260
pH	7.93	7.83	7.75	8.05	7.96
Polonium 210-Dissolved (pCi/L)		<1	2.6	1.1	-0.6
Polonium 210-Suspended (pCi/L)		5.2	<1	<1	
Polonium 210-Total (pCi/L)		5.2			
Potassium 40-Dissolved (pCi/L)	<20				
Potassium-Dissolved (mg/L)	9	11.3	11.7	11.8	11.5
Radium 223-Dissolved (pCi/L)	<20				
Radium 224-Dissolved (pCi/L)	<20				
Radium 226 precision (±) (pCi/L)	0.5				
Radium 226-Dissolved (pCi/L)	2.1	1.8	1.6	1.1	1.6
Radium 226-Suspended (pCi/L)		<0.2	<0.2	1.6	0.01
Radium 226-Total (pCi/L)		1.1			
Radium 228-Dissolved (pCi/L)	<1				
Radon 222 precision (±) (pCi/L)	63.2				
Radon 222-Total (pCi/L)	335		305	258	412
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.001	<0.005
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001	<0.001
Selenium-Total (mg/L)				<0.001	<0.001
Selenium-VI-Dissolved (mg/L)			<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7	7.7	6.2	6.5	3.6
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)			4.7	4.9	4.7
Sodium-Dissolved (mg/L)	180	163	175	173	188
Solids-Total Dissolved Calculated (mg/L)		781	898	888	857
Solids-Total Dissolved TDS @ 180 C (mg/L)	880	890	890	850	880

POWERTECH (USA) INC.

Well #13					
Analyte	**10/3/2006 11:36**	**9/27/2007 15:45**	**11/12/2007 12:15**	**2/20/2008 14:41**	**5/19/2008 12:20**
Strontium-Total (mg.L)				1.5	1.7
Sulfate (mg/L)	460	488	520	499	442
TDS Balance (0.80 - 1.20) (dec.%)		1.14	0.99	0.96	1.02
Thallium 208-Dissolved (pCi/L)	<20				
Thallium-Total (mg/L)				<0.001	<0.001
Thorium 228-Dissolved (pCi/L)	<20				
Thorium 230-Dissolved (pCi/L)		0.4	<0.2	<0.2	
Thorium 230-Suspended (pCi/L)		<0.2	<0.2	0.4	0.2
Thorium 230-Total (pCi/L)		<0.2			
Thorium 232-Dissolved (pCi/L)		<0.005	<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20				
Uranium 238-Dissolved (pCi/L)	<20				
Uranium-Dissolved (mg/L)	<0.001	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)		<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)				<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	51				
Zinc 65-Dissolved (pCi/L)	<20				
Zinc-Dissolved (mg/L)	<0.01	<0.01	0.04	<0.01	0.01
Zinc-Total (mg/L)				0.07	0.04

POWERTECH (USA) INC.

Well #13								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (±5) (%)	-0.695	5.332257	-4.6025	-2.395	4.9125	-4.96	6.97	4
Alkalinity-Total as CaCO3 (mg/L)	156.5	10.87811	145.5	158	166	142	168	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.2	0.267706	0.05	0.075	0.475	0.05	0.6	4
Anions (meq/L)	13.2	0.875595	12.375	13.25	13.975	12.3	14	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.00075	0.000354		0.00075		0.0005	0.001	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	190.75	13.37597	177.25	192.5	202.5	173	205	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0015	0.001414		0.0015		0.0005	0.0025	2
Calcium-Dissolved (mg/L)	62.275	6.964374	57.55	59.65	69.625	57.4	72.4	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	13.05	1.066146	12.15	12.85	14.15	12	14.5	4
Chloride (mg/L)	10.5	0.57735	10	10.5	11	10	11	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1292.5	117.0114	1175	1305	1397.5	1140	1420	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.45	0.057735	0.4	0.45	0.5	0.4	0.5	4
Gross Alpha-Dissolved (pCi/L)	10.025	6.616835	5.025	8.2	16.85	4.2	19.5	4
Gross Beta-Dissolved (pCi/L)	10.75	0.974679	9.775	10.85	11.625	9.6	11.7	4
Gross Gamma-Dissolved (pCi/L)	1080	2146.672	2.5	10	3227.5		4300	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	3.835	1.025305		3.835		3.11	4.56	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	2.45	2.26495	0.5	2.3	4.55	0.5	4.7	4
Lead 210-Suspended (pCi/L)	0.325	0.35	-0.025	0.5	0.5	-0.2	0.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	24.5	3.742548	21.35	23.75	28.4	21	29.5	4

POWERTECH (USA) INC.

Well #13								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Manganese-Dissolved (mg/L)	0.165	0.047258	0.115	0.18	0.2	0.1	0.2	4
Manganese-Total (mg/L)	0.18	0.028284		0.18		0.16	0.2	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000288	0.000246	6.25E-05	0.0003	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.005			0.005		0.005	0.005	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	230	30	200	230	260	200	260	3
pH	7.8975	0.13351	7.77	7.895	8.0275	7.75	8.05	4
Polonium 210-Dissolved (pCi/L)	0.9	1.334166	-0.325	0.8	2.225	-0.6	2.6	4
Polonium 210-Suspended (pCi/L)	1.55	2.444722	0.125	0.5	4.025		5.2	4
Polonium 210-Total (pCi/L)	5.2			5.2		5.2	5.2	1
Potassium-Dissolved (mg/L)	11.575	0.221736	11.35	11.6	11.775	11.3	11.8	4
Radium 226-Dissolved (pCi/L)	1.525	0.298608	1.225	1.6	1.75	1.1	1.8	4
Radium 226-Suspended (pCi/L)	0.4525	0.766176	0.0325	0.1	1.225	0.01	1.6	4
Radium 226-Total (pCi/L)	1.1			1.1		1.1	1.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	325	78.92401	258	305	412	258	412	3
Selenium-Dissolved (mg/L)	0.001	0.001	0.0005	0.0005	0.002	0.0005	0.0025	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6	1.726268	4.25	6.35	7.4	3.6	7.7	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	174.75	10.27538	165.5	174	184.75	163	188	4
Sodium Adsorption Ratio (SAR) (meq/L)	4.766667	0.11547	4.7	4.7	4.9	4.7	4.9	3
Solids-Total Dissolved Calculated (mg/L)	856	52.9591	800	872.5	895.5	781	898	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	877.5	18.92969	857.5	885	890	850	890	4
Strontium-Total (mg.L)	1.6	0.141421		1.6		1.5	1.7	2
Sulfate (mg/L)	487.25	32.95831	453.5	493.5	514.75	442	520	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0275	0.078899	0.9675	1.005	1.11	0.96	1.14	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.15	0.173205	0.025	0.1	0.325		0.4	4
Thorium 230-Suspended (pCi/L)	0.2	0.141421	0.1	0.15	0.35	0.1	0.4	4

POWERTECH (USA) INC.

Well #13								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.00015			0.00015		0.00015	0.00015	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.015	0.016833	0.005	0.0075	0.0325	0.005	0.04	4
Zinc-Total (mg/L)	0.055	0.021213		0.055		0.04	0.07	2

POWERTECH (USA) INC.

Analyte	Well #16 10/3/2006 12:00	9/27/2007 19:18	11/12/2007 16:05	3/30/2008 15:19	6/30/2008 13:45
A/C Balance (± 5) (%)		-2.85	-1.55	-2	4.63
Actinium 228-Dissolved (pCi/L)	<20				
Alkalinity-Total as CaCO3 (mg/L)	160	158	148	148	150
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20				
Ammonia (mg/L)	<0.1	0.4	<0.1	<0.1	<0.1
Anions (meq/L)		11.8	11	12.5	11.5
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.01	0.001	<0.001	<0.001	0.001
Arsenic-Total (mg/L)				0.004	<0.002
Barium 133-Dissolved (pCi/L)	<20				
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	200	193	180	180	183
Bismuth 212-Dissolved (pCi/L)	<20				
Bismuth 214-Dissolved (pCi/L)	770				
Bismuth precision (±) (pCi/L)	35				
Boron-Dissolved (mg/L)	0.12	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.005
Calcium-Dissolved (mg/L)	140	108	103	113	125
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)		11.1	10.7	12	12.6
Cesium 134-Dissolved (pCi/L)	<20				
Cesium 137-Dissolved (pCi/L)	<20				
Chloride (mg/L)	6.2	5	5	5	4
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Cobalt 60-Dissolved (pCi/L)	<20				
Conductivity @ 25 C (umhos/cm)	1260	1080	925	1050	1000
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.37	0.4	0.4	0.4	0.5
Gross Alpha precision (±) (pCi/L)	1.5				
Gross Alpha-Dissolved (pCi/L)	110	62.7	12.2	85.7	28.3
Gross Beta precision (±) (pCi/L)	2				
Gross Beta-Dissolved (pCi/L)	50	33.1	24	47.2	19.3
Gross Gamma precision(±) (pCi/L)	70				
Gross Gamma-Dissolved (pCi/L)	1600	<20	2300	600	760
Iodine 125-Dissolved (pCi/L)	<20				
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				0.25	0.26
Lead 210-Dissolved (pCi/L)		<1	2.2	-27	2

POWERTECH (USA) INC.

Analyte	Well #16 10/3/2006 12:00	9/27/2007 19:18	11/12/2007 16:05	3/30/2008 15:19	6/30/2008 13:45
Lead 210-Suspended (pCi/L)		<1	1.2		-0.4
Lead 210-Total (pCi/L)		<1			
Lead 212-Dissolved (pCi/L)	<20				
Lead 214 precision (±) (pCi/L)	35				
Lead 214-Dissolved (pCi/L)	810				
Lead-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001	<0.003
Magnesium-Dissolved (mg/L)	55	40.7	39.4	46.8	47
Manganese 54-Dissolved (pCi/L)	<20				
Manganese-Dissolved (mg/L)	0.19	0.16	<0.01	0.13	0.14
Manganese-Total (mg/L)				0.14	0.13
Mercury-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0002	<0.001	<0.001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)				<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)		<0.1	0.2	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5				
Oxidation-Reduction Potential (mV)			240	200	230
pH	7.44	7.43	7.48	7.57	7.38
Polonium 210-Dissolved (pCi/L)		<1	<1	0.2	
Polonium 210-Suspended (pCi/L)		<1	<1	0.8	
Polonium 210-Total (pCi/L)		<1			
Potassium 40-Dissolved (pCi/L)	<20				
Potassium-Dissolved (mg/L)	16	16.6	16	15.1	16.7
Radium 223-Dissolved (pCi/L)	<20				
Radium 224-Dissolved (pCi/L)	<20				
Radium 226 precision (±) (pCi/L)	2.5				
Radium 226-Dissolved (pCi/L)	33.6	26.2	8.1	15.3	6.4
Radium 226-Suspended (pCi/L)		<0.2	<0.2	1.4	-0.3
Radium 226-Total (pCi/L)		17.4			
Radium 228-Dissolved (pCi/L)	<1				
Radon 222 precision (±) (pCi/L)	252				
Radon 222-Total (pCi/L)	39000		1090	28200	3150
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001	<0.001
Selenium-Total (mg/L)				<0.001	0.002
Selenium-VI-Dissolved (mg/L)			<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7	7.3	6.5	7	3.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)			0.94	0.96	0.93
Sodium-Dissolved (mg/L)	53	44	44.1	48	48

POWERTECH (USA) INC.

Well #16					
Analyte	**10/3/2006 12:00**	**9/27/2007 19:18**	**11/12/2007 16:05**	**3/30/2008 15:19**	**6/30/2008 13:45**
Solids-Total Dissolved Calculated (mg/L)		715	686	786	743
Solids-Total Dissolved TDS @ 180 C (mg/L)	940	810	760	780	780
Strontium-Total (mg.L)				2.7	2.7
Sulfate (mg/L)	522	448	428	449	401
TDS Balance (0.80 - 1.20) (dec.%)		1.14	1.11	0.99	1.04
Thallium 208-Dissolved (pCi/L)	<20				
Thallium-Total (mg/L)				<0.001	<0.001
Thorium 228-Dissolved (pCi/L)	<20				
Thorium 230-Dissolved (pCi/L)		0.3	<0.2	0.2	
Thorium 230-Suspended (pCi/L)		<0.2	<0.2	0.1	
Thorium 230-Total (pCi/L)		<0.2			
Thorium 232-Dissolved (pCi/L)		<0.005	<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20				
Uranium 238-Dissolved (pCi/L)	<20				
Uranium-Dissolved (mg/L)	0.002	0.0021	0.0007	0.0007	<0.0003
Uranium-Suspended (mg/L)		<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)				0.0007	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	52				
Zinc 65-Dissolved (pCi/L)	<20				
Zinc-Dissolved (mg/L)	0.04	0.04	0.06	0.01	0.02
Zinc-Total (mg/L)				0.02	<0.03

POWERTECH (USA) INC.

Well #16								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.4425	3.424358	-2.6375	-1.775	3.085	-2.85	4.63	4
Alkalinity-Total as CaCO3 (mg/L)	151	4.760952	148	149	156	148	158	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.1375	0.175	0.05	0.05	0.3125	0.05	0.4	4
Anions (meq/L)	11.7	0.627163	11.125	11.65	12.325	11	12.5	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.00075	0.000289	0.0005	0.00075	0.001	0.0005	0.001	4
Arsenic-Total (mg/L)	0.0025	0.002121		0.0025		0.001	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	184	6.164414	180	181.5	190.5	180	193	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	112.25	9.429563	104.25	110.5	122	103	125	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	11.6	0.860233	10.8	11.55	12.45	10.7	12.6	4
Chloride (mg/L)	4.75	0.5	4.25	5	5	4	5	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1013.75	67.74646	943.75	1025	1072.5	925	1080	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.425	0.05	0.4	0.4	0.475	0.4	0.5	4
Gross Alpha-Dissolved (pCi/L)	47.225	33.1899	16.225	45.5	79.95	12.2	85.7	4
Gross Beta-Dissolved (pCi/L)	30.9	12.28414	20.475	28.55	43.675	19.3	47.2	4
Gross Gamma-Dissolved (pCi/L)	917.5	976.469	157.5	680	1915	10	2300	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.255	0.007071		0.255		0.25	0.26	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.001	0.000707		0.001		0.0005	0.0015	2
Lead 210-Dissolved (pCi/L)	-5.575	14.30347	-20.125	1.25	2.15	-27	2.2	4
Lead 210-Suspended (pCi/L)	0.325	0.689807	-0.3	0.25	1.025	-0.4	1.2	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	43.475	3.991136	39.725	43.75	46.95	39.4	47	4
Manganese-Dissolved (mg/L)	0.10875	0.070282	0.03625	0.135	0.155	0.005	0.16	4
Manganese-Total (mg/L)	0.135	0.007071		0.135		0.13	0.14	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.0003	0.000231	0.0001	0.0003	0.0005	0.0001	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05			0.05		0.05	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2

POWERTECH (USA) INC.

Well #16								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.0875	0.075	0.05	0.05	0.1625	0.05	0.2	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	223.3333	20.81666	200	230	240	200	240	3
pH	7.465	0.081035	7.3925	7.455	7.5475	7.38	7.57	4
Polonium 210-Dissolved (pCi/L)	0.3	0.244949	0.05	0.35	0.5		0.5	4
Polonium 210-Suspended (pCi/L)	0.45	0.331662	0.125	0.5	0.725		0.8	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	16.1	0.734847	15.325	16.3	16.675	15.1	16.7	4
Radium 226-Dissolved (pCi/L)	14	9.001852	6.825	11.7	23.475	6.4	26.2	4
Radium 226-Suspended (pCi/L)	0.325	0.741058	-0.2	0.1	1.075	-0.3	1.4	4
Radium 226-Total (pCi/L)	17.4			17.4		17.4	17.4	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	10813.33	15092.48	1090	3150	28200	1090	28200	3
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.175	1.552149	4.55	6.75	7.225	3.9	7.3	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	46.025	2.280899	44.025	46.05	48	44	48	4
Sodium Adsorption Ratio (SAR) (meq/L)	0.943333	0.015275	0.93	0.94	0.96	0.93	0.96	3
Solids-Total Dissolved Calculated (mg/L)	732.5	42.58717	693.25	729	775.25	686	786	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	782.5	20.61553	765	780	802.5	760	810	4
Strontium-Total (mg.L)	2.7			2.7		2.7	2.7	2
Sulfate (mg/L)	431.5	22.51666	407.75	438	448.75	401	449	4
TDS Balance (0.80 - 1.20) (dec.%)	1.07	0.067823	1.0025	1.075	1.1325	0.99	1.14	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.15	0.129099	0.025	0.15	0.275		0.3	4
Thorium 230-Suspended (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.000913	0.000833	0.000288	0.0007	0.00175	0.00015	0.0021	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.000425	0.000389		0.000425		0.00015	0.0007	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.0325	0.022174	0.0125	0.03	0.055	0.01	0.06	4
Zinc-Total (mg/L)	0.0175	0.003536		0.0175		0.015	0.02	2

POWERTECH (USA) INC.

Well #18						
Analyte	10/3/2006 10:07	9/26/2007 10:39	11/12/2007 10:15	11/12/2007 10:20	2/12/2008 11:08	5/30/2008 11:12
A/C Balance (± 5) (%)		0.211	-0.239	-0.843	-1.77	5.45
Actinium 228-Dissolved (pCi/L)	<20					
Alkalinity-Total as CaCO3 (mg/L)	180	184	176	172	180	180
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20					
Ammonia (mg/L)	0.2	0.2	0.2	0.2	0.2	0.1
Anions (meq/L)		14.7	15	15	15.2	14.2
Antimony-Total (mg/L)					<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.01	0.002	0.001	0.001	0.001	0.001
Arsenic-Total (mg/L)					0.002	0.003
Barium 133-Dissolved (pCi/L)	<20					
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)					<0.1	<0.1
Beryllium-Total (mg/L)					<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	220	224	215	210	219	219
Bismuth 212-Dissolved (pCi/L)	<20					
Bismuth 214-Dissolved (pCi/L)	<20					
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)					<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.01	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)					<0.005	<0.005
Calcium-Dissolved (mg/L)	34	31.8	33	32.5	34	38
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5	<5
Cations (meq/L)		14.8	15	14.7	14.7	15.8
Cesium 134-Dissolved (pCi/L)	<20					
Cesium 137-Dissolved (pCi/L)	<20					
Chloride (mg/L)	14	13	13	13	14	12
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)					<0.05	<0.05
Cobalt 60-Dissolved (pCi/L)	<20					
Conductivity @ 25 C (umhos/cm)	1430	1430	1360	1330	1450	1470
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)					<0.01	<0.01
Fluoride (mg/L)	0.38	0.4	0.4	0.4	0.5	0.4
Gross Alpha precision (±) (pCi/L)	1					
Gross Alpha-Dissolved (pCi/L)	37	15.7	18.9	20	31.7	27.5
Gross Beta precision (±) (pCi/L)	1.6					
Gross Beta-Dissolved (pCi/L)	14	6.7	12.1	13	13	4.8
Gross Gamma-Dissolved (pCi/L)	<20	510	370	330	190	
Iodine 125-Dissolved (pCi/L)	<20					
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)					1.04	1.11
Lead 210-Dissolved (pCi/L)		<1	4.6	<1	<1	-1

POWERTECH (USA) INC.

Well #18						
Analyte	10/3/2006 10:07	9/26/2007 10:39	11/12/2007 10:15	11/12/2007 10:20	2/12/2008 11:08	5/30/2008 11:12
Lead 210-Suspended (pCi/L)		<1	<1	<1	<1	29.6
Lead 210-Total (pCi/L)		<1				
Lead 212-Dissolved (pCi/L)	<20					
Lead 214-Dissolved (pCi/L)	<20					
Lead-Dissolved (mg/L)	<0.01	<0.05	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)					<0.001	<0.001
Magnesium-Dissolved (mg/L)	12	11.3	11.6	11.4	12.2	13.4
Manganese 54-Dissolved (pCi/L)	<20					
Manganese-Dissolved (mg/L)	0.06	0.06	0.06	0.06	0.07	0.06
Manganese-Total (mg/L)					0.06	0.06
Mercury-Dissolved (mg/L)		<0.0002	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001		<0.001	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)					<0.01	<0.1
Nickel-Dissolved (mg/L)	0.03	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)					<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)		<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5					
Oxidation-Reduction Potential (mV)			80	85	130	200
pH	8.11	8.09	8.02	8.06	8.11	8.1
Polonium 210-Dissolved (pCi/L)		<1	<1	<1	2.2	
Polonium 210-Suspended (pCi/L)		6	<1	<1	<1	1.7
Polonium 210-Total (pCi/L)		6				
Potassium 40-Dissolved (pCi/L)	<20					
Potassium-Dissolved (mg/L)	7	7.2	7	7	7.3	6.9
Radium 223-Dissolved (pCi/L)	<20					
Radium 224-Dissolved (pCi/L)	<20					
Radium 226 precision (±) (pCi/L)	1.2					
Radium 226-Dissolved (pCi/L)	5.8	<0.2	3.2	3.6	3.2	2.6
Radium 226-Suspended (pCi/L)		4	<0.2	<0.2	1.1	1.1
Radium 226-Total (pCi/L)		4				
Radium 228 precision (±) (pCi/L)	1.2					
Radium 228-Dissolved (pCi/L)	2.3					
Radon 222 precision (±) (pCi/L)	69.3					
Radon 222-Total (pCi/L)	762		945	944	1220	1210
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)					<0.001	<0.001
Selenium-VI-Dissolved (mg/L)			<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7	7.5	7.3	7.3	7.8	4.2
Silver-Dissolved (mg/L)	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)					<0.005	<0.005

POWERTECH (USA) INC.

Well #18						
Analyte	**10/3/2006 10:07**	**9/26/2007 10:39**	**11/12/2007 10:15**	**11/12/2007 10:20**	**2/12/2008 11:08**	**5/30/2008 11:12**
Sodium Adsorption Ratio (SAR) (meq/L)			11	11	10	10
Sodium-Dissolved (mg/L)	260	278	280	276	270	291
Solids-Total Dissolved Calculated (mg/L)		965	994	988	1000	973
Solids-Total Dissolved TDS @ 180 C (mg/L)	950	990	960	950	960	940
Strontium-Total (mg.L)					0.6	0.7
Sulfate (mg/L)	481	513	534	536	537	492
TDS Balance (0.80 - 1.20) (dec.%)		1.03	0.97	0.97	0.96	0.96
Thallium 208-Dissolved (pCi/L)	<20					
Thallium-Total (mg/L)					<0.001	<0.001
Thorium 228-Dissolved (pCi/L)	<20					
Thorium 230-Dissolved (pCi/L)		<0.2	<0.2	<0.2	0.2	
Thorium 230-Suspended (pCi/L)		<0.2	<0.2	<0.2	<0.2	0.1
Thorium 230-Total (pCi/L)		<0.2				
Thorium 232-Dissolved (pCi/L)		<0.001	<0.005	<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20					
Uranium 238-Dissolved (pCi/L)	<20					
Uranium-Dissolved (mg/L)	0.007	0.0061	0.0066	0.0065	0.0066	0.0059
Uranium-Suspended (mg/L)		0.0017	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)					0.0062	0.0062
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	52					
Zinc 65-Dissolved (pCi/L)	<20					
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)					<0.01	<0.01

POWERTECH (USA) INC.

Well #18								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (±5) (%)	0.5618	2.831501	-1.3065	-0.239	2.8305	-1.77	5.45	5
Alkalinity-Total as CaCO3 (mg/L)	178.4	4.560702	174	180	182	172	184	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.18	0.044721	0.15	0.2	0.2	0.1	0.2	5
Anions (meq/L)	14.82	0.389872	14.45	15	15.1	14.2	15.2	5
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0012	0.000447	0.001	0.001	0.0015	0.001	0.002	5
Arsenic-Total (mg/L)	0.0025	0.000707		0.0025		0.002	0.003	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	217.4	5.22494	212.5	219	221.5	210	224	5
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.003	0.001118	0.0025	0.0025	0.00375	0.0025	0.005	5
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	33.86	2.449081	32.15	33	36	31.8	38	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	15	0.463681	14.7	14.8	15.4	14.7	15.8	5
Chloride (mg/L)	13	0.707107	12.5	13	13.5	12	14	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1408	60.16644	1345	1430	1460	1330	1470	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.42	0.044721	0.4	0.4	0.45	0.4	0.5	5
Gross Alpha-Dissolved (pCi/L)	22.76	6.60969	17.3	20	29.6	15.7	31.7	5
Gross Beta-Dissolved (pCi/L)	9.92	3.882911	5.75	12.1	13	4.8	13	5
Gross Gamma-Dissolved (pCi/L)	280	193.6492	95	330	440		510	5
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	5
Iron-Total (mg/L)	1.075	0.049497		1.075		1.04	1.11	2
Lead-Dissolved (mg/L)	0.0054	0.010957	0.0005	0.0005	0.01275	0.0005	0.025	5
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	1.02	2.104044	-0.25	0.5	2.55	-1	4.6	5
Lead 210-Suspended (pCi/L)	6.32	13.01392	0.5	0.5	15.05	0.5	29.6	5

POWERTECH (USA) INC.

Well #18								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	11.98	0.867179	11.35	11.6	12.8	11.3	13.4	5
Manganese-Dissolved (mg/L)	0.062	0.004472	0.06	0.06	0.065	0.06	0.07	5
Manganese-Total (mg/L)	0.06			0.06		0.06	0.06	2
Mercury-Dissolved (mg/L)	0.00042	0.000179	0.0003	0.0005	0.0005	0.0001	0.0005	5
Mercury-Total (mg/L)	0.000388	0.000225	0.000163	0.0005	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Oxidation-Reduction Potential (mV)	123.75	55.58402	81.25	107.5	182.5	80	200	4
pH	8.076	0.036469	8.04	8.09	8.105	8.02	8.11	5
Polonium 210-Dissolved (pCi/L)	0.74	0.844393	0.25	0.5	1.35		2.2	5
Polonium 210-Suspended (pCi/L)	1.84	2.382855	0.5	0.5	3.85	0.5	6	5
Polonium 210-Total (pCi/L)	6			6		6	6	1
Potassium-Dissolved (mg/L)	7.08	0.164317	6.95	7	7.25	6.9	7.3	5
Radium 226-Dissolved (pCi/L)	2.54	1.409965	1.35	3.2	3.4	0.1	3.6	5
Radium 226-Suspended (pCi/L)	1.28	1.600625	0.1	1.1	2.55	0.1	4	5
Radium 226-Total (pCi/L)	4			4		4	4	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1079.75	156.2271	944.25	1077.5	1217.5	944	1220	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	6.82	1.478851	5.75	7.3	7.65	4.2	7.8	5
Silver-Dissolved (mg/L)	0.003	0.001118	0.0025	0.0025	0.00375	0.0025	0.005	5
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	279	7.681146	273	278	285.5	270	291	5
Sodium Adsorption Ratio (SAR) (meq/L)	10.5	0.57735	10	10.5	11	10	11	4
Solids-Total Dissolved Calculated (mg/L)	984	14.61164	969	988	997	965	1000	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	960	18.70829	945	960	975	940	990	5
Strontium-Total (mg/L)	0.65	0.070711		0.65		0.6	0.7	2
Sulfate (mg/L)	522.4	19.65452	502.5	534	536.5	492	537	5
TDS Balance (0.80 - 1.20) (dec.%)	0.978	0.0294	0.96	0.97	1	0.96	1.03	5

POWERTECH (USA) INC.

Well #18								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Thallium-Total (mg/L)	0.0005	96		0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.1	0.0707 11	0.05	0.1	0.15		0.2	5
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0021	0.0008 94	0.0015	0.0025	0.0025	0.0005	0.0025	5
Uranium-Dissolved (mg/L)	0.0063 4	0.0003 21	0.006	0.0065	0.0066	0.0059	0.0066	5
Uranium-Suspended (mg/L)	0.0004 6	0.0006 93	0.0001 5	0.0001 5	0.0009 25	0.00015	0.0017	5
Uranium-Total (mg/L)	0.0062			0.0062		0.0062	0.0062	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

POWERTECH (USA) INC.

Analyte	Well #42 10/3/2006 10:18	9/28/2007 11:34	11/12/2007 11:20	2/5/2008 14:10	5/30/2008 11:55
A/C Balance (± 5) (%)		-1.32	-0.342	3.65	6.08
Actinium 228-Dissolved (pCi/L)	<20				
Alkalinity-Total as CaCO3 (mg/L)	180	180	174	180	176
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Americium 241-Dissolved (pCi/L)	<20				
Ammonia (mg/L)	0.2	0.1	0.1	0.1	0.1
Anions (meq/L)		13.3	14.7	14.5	13.6
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.01	<0.001	<0.001	0.001	<0.001
Arsenic-Total (mg/L)				0.002	0.004
Barium 133-Dissolved (pCi/L)	<20				
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	220	219	212	219	215
Bismuth 212-Dissolved (pCi/L)	<20				
Bismuth 214-Dissolved (pCi/L)	1600				
Bismuth precision (±) (pCi/L)	64				
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.001	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.005
Calcium-Dissolved (mg/L)	35	30	34	35.3	39.4
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)		13	14.6	15.6	15.3
Cesium 134-Dissolved (pCi/L)	<20				
Cesium 137-Dissolved (pCi/L)	<20				
Chloride (mg/L)	14	12	13	12	11
Chromium-Dissolved (mg/L)	<0.01	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Cobalt 60-Dissolved (pCi/L)	<20				
Conductivity @ 25 C (umhos/cm)	1410	1390	1310	1420	1510
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.39	0.4	0.4	0.4	0.4
Gross Alpha precision (±) (pCi/L)	3.2				
Gross Alpha-Dissolved (pCi/L)	560	371	375	526	558
Gross Beta precision (±) (pCi/L)	2.7				
Gross Beta-Dissolved (pCi/L)	110	122	173	93.5	159
Gross Gamma precision(±) (pCi/L)	130				
Gross Gamma-Dissolved (pCi/L)	3400	1300	70000	2800	150
Iodine 125-Dissolved (pCi/L)	<20				
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				0.15	0.16
Lead 210-Dissolved (pCi/L)		<1	21	15	17.8

POWERTECH (USA) INC.

Well #42					
Analyte	10/3/2006 10:18	9/28/2007 11:34	11/12/2007 11:20	2/5/2008 14:10	5/30/2008 11:55
Lead 210-Suspended (pCi/L)		57	<1	17	14
Lead 210-Total (pCi/L)		57			
Lead 212-Dissolved (pCi/L)	<20				
Lead 214 precision (±) (pCi/L)	70				
Lead 214-Dissolved (pCi/L)	1800				
Lead-Dissolved (mg/L)	<0.01	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)				<0.001	<0.001
Magnesium-Dissolved (mg/L)	12	9.4	11.8	12.3	13.5
Manganese 54-Dissolved (pCi/L)	<20				
Manganese-Dissolved (mg/L)	0.08	0.06	0.08	0.09	0.08
Manganese-Total (mg/L)				0.08	0.08
Mercury-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.005	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)				<0.01	<0.1
Nickel-Dissolved (mg/L)	0.02	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)				<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)		<0.1	0.2	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Non-polar organic materials (SGT-HEM) (mg/l)	<5				
Oxidation-Reduction Potential (mV)			240	170	200
pH	8.01	8.02	7.95	8.08	8.05
Polonium 210-Dissolved (pCi/L)		<1	<1	5.5	1.6
Polonium 210-Suspended (pCi/L)		13	1.1	2	0.3
Polonium 210-Total (pCi/L)		13			
Potassium 40-Dissolved (pCi/L)	<20				
Potassium-Dissolved (mg/L)	7	7.1	7.2	7.8	6.8
Radium 223-Dissolved (pCi/L)	<20				
Radium 224-Dissolved (pCi/L)	<20				
Radium 226 precision (±) (pCi/L)	3.1				
Radium 226-Dissolved (pCi/L)	87.6	96.5	102	100	100
Radium 226-Suspended (pCi/L)		<0.2	<0.2	5.1	-0.3
Radium 226-Total (pCi/L)		79.7			
Radium 228-Dissolved (pCi/L)	<1				
Radon 222 precision (±) (pCi/L)	581				
Radon 222-Total (pCi/L)	197000		132000	175000	219000
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	0.001	<0.001
Selenium-IV-Dissolved (mg/L)			<0.001	<0.001	<0.001
Selenium-Total (mg/L)				<0.001	<0.001
Selenium-VI-Dissolved (mg/L)			<0.001	0.001	<0.001
Silica-Dissolved (mg/L)	7	7.1	7.2	7.4	4.1
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)				<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)			10	11	9.7
Sodium-Dissolved (mg/L)	250	242	270	289	277

POWERTECH (USA) INC.

Well #42					
Analyte	10/3/2006 10:18	9/28/2007 11:34	11/12/2007 11:20	2/5/2008 14:10	5/30/2008 11:55
Solids-Total Dissolved Calculated (mg/L)		858	969	971	932
Solids-Total Dissolved TDS @ 180 C (mg/L)	940	960	940	980	930
Strontium-Total (mg.L)				0.7	0.7
Sulfate (mg/L)	473	505	519	505	466
TDS Balance (0.80 - 1.20) (dec.%)		1.12	0.97	1.01	1
Thallium 208-Dissolved (pCi/L)	<20				
Thallium-Total (mg/L)				<0.001	<0.001
Thorium 228-Dissolved (pCi/L)	<20				
Thorium 230-Dissolved (pCi/L)		<0.2	0.5	<0.2	0.1
Thorium 230-Suspended (pCi/L)		<0.2	0.2	<0.2	
Thorium 230-Total (pCi/L)		<0.2			
Thorium 232-Dissolved (pCi/L)		<0.005	<0.005	<0.005	<0.005
Thorium 234-Dissolved (pCi/L)	<20				
Uranium 238-Dissolved (pCi/L)	<20				
Uranium-Dissolved (mg/L)	0.04	0.015	0.0324	0.0194	0.0142
Uranium-Suspended (mg/L)		0.0029	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)				0.0198	0.0149
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Water Temperature (lab, deg F)	53				
Zinc 65-Dissolved (pCi/L)	<20				
Zinc-Dissolved (mg/L)	<0.01	0.01	0.03	0.02	0.02
Zinc-Total (mg/L)				0.03	0.02

POWERTECH (USA) INC.

Well #42								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	2.017	3.458088	-1.0755	1.654	5.4725	-1.32	6.08	4
Alkalinity-Total as CaCO3 (mg/L)	177.5	3	174.5	178	180	174	180	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Anions (meq/L)	14.025	0.680074	13.375	14.05	14.65	13.3	14.7	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Arsenic-Total (mg/L)	0.003	0.001414		0.003		0.002	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	216.25	3.40343	212.75	217	219	212	219	4
Boron-Dissolved (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	34.675	3.874167	31	34.65	38.375	30	39.4	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	14.625	1.161536	13.4	14.95	15.525	13	15.6	4
Chloride (mg/L)	12	0.816497	11.25	12	12.75	11	13	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1407.5	82.61356	1330	1405	1487.5	1310	1510	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.4		0.4	0.4	0.4	0.4	0.4	4
Gross Alpha-Dissolved (pCi/L)	457.5	98.45642	372	450.5	550	371	558	4
Gross Beta-Dissolved (pCi/L)	136.875	36.04251	100.625	140.5	169.5	93.5	173	4
Gross Gamma-Dissolved (pCi/L)	18562.5	34308.83	437.5	2050	53200	150	70000	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.155	0.007071		0.155		0.15	0.16	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	13.575	9.054787	4.125	16.4	20.2	0.5	21	4
Lead 210-Suspended (pCi/L)	22.125	24.33233	3.875	15.5	47	0.5	57	4
Lead 210-Total (pCi/L)	57			57		57	57	1
Magnesium-Dissolved (mg/L)	11.75	1.721434	10	12.05	13.2	9.4	13.5	4

POWERTECH (USA) INC.

Well #42								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Manganese-Dissolved (mg/L)	0.0775	0.012583	0.065	0.08	0.0875	0.06	0.09	4
Manganese-Total (mg/L)	0.08			0.08		0.08	0.08	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000288	0.000246	6.25E-05	0.0003	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.0875	0.075	0.05	0.05	0.1625	0.05	0.2	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	203.3333	35.11885	170	200	240	170	240	3
pH	8.025	0.055678	7.9675	8.035	8.0725	7.95	8.08	4
Polonium 210-Dissolved (pCi/L)	2.025	2.373991	0.5	1.05	4.525	0.5	5.5	4
Polonium 210-Suspended (pCi/L)	4.1	5.973832	0.5	1.55	10.25	0.3	13	4
Polonium 210-Total (pCi/L)	13			13		13	13	1
Potassium-Dissolved (mg/L)	7.225	0.419325	6.875	7.15	7.65	6.8	7.8	4
Radium 226-Dissolved (pCi/L)	99.625	2.286737	97.375	100	101.5	96.5	102	4
Radium 226-Suspended (pCi/L)	1.25	2.573584	-0.2	0.1	3.85	-0.3	5.1	4
Radium 226-Total (pCi/L)	79.7			79.7		79.7	79.7	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	175333.3	43500.96	132000	175000	219000	132000	219000	3
Selenium-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.000667	0.000289	0.0005	0.0005	0.001	0.0005	0.001	3
Silica-Dissolved (mg/L)	6.45	1.571623	4.85	7.15	7.35	4.1	7.4	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	269.5	19.94158	249	273.5	286	242	289	4
Sodium Adsorption Ratio (SAR) (meq/L)	10.23333	0.680686	9.7	10	11	9.7	11	3
Solids-Total Dissolved Calculated (mg/L)	932.5	52.80467	876.5	950.5	970.5	858	971	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	952.5	22.17356	932.5	950	975	930	980	4
Strontium-Total (mg/L)	0.7			0.7		0.7	0.7	2
Sulfate (mg/L)	498.75	22.80899	475.75	505	515.5	466	519	4
TDS Balance (0.80 - 1.20) (dec.%)	1.025	0.065574	0.9775	1.005	1.0925	0.97	1.12	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.2	0.2	0.1	0.1	0.4	0.1	0.5	4

POWERTECH (USA) INC.

Well #42								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Thorium 230-Suspended (pCi/L)	0.1	0.08165	0.025	0.1	0.175		0.2	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.02025	0.00816	0.0144	0.0172	0.02915	0.0142	0.0324	4
Uranium-Suspended (mg/L)	0.00038	0.00135	0.00015	0.00015	0.00213	0.00015	0.0029	4
Uranium-Total (mg/L)	0.01735	0.00365		0.01735		0.0149	0.0198	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.02	0.008165	0.0125	0.02	0.0275	0.01	0.03	4
Zinc-Total (mg/L)	0.025	0.00071		0.025		0.02	0.03	2

POWERTECH (USA) INC.

Well# 615					
Analyte	4/1/2008 14:34	4/1/2008 14:42	4/21/2008 16:16	5/28/2008 19:20	6/25/2008 13:55
A/C Balance (± 5) (%)	1.45	2.22	4.26	3	2.39
Alkalinity-Total as CaCO3 (mg/L)	136	138	136	138	138
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	10.8	10.7	10.6	11.2	10.6
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.02	0.019	0.02	0.013	0.016
Arsenic-Total (mg/L)	0.024	0.025	0.024	0.024	0.024
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	166	168	166	168	168
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	70.9	71.1	73	79.2	71.8
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	11.1	11.2	11.5	11.9	11.1
Chloride (mg/L)	6	6	4	5	5
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1050	1050	1040	1050	1110
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.5	0.5	0.4	0.5	0.5
Gross Alpha-Dissolved (pCi/L)	18.2	17.7	15.1	15.3	38.3
Gross Beta-Dissolved (pCi/L)	11.6	5.8	12.1	3.7	12.6
Gross Gamma-Dissolved (pCi/L)				170	
Iron-Dissolved (mg/L)	0.7	0.66	0.79	0.1	0.42
Iron-Total (mg/L)	1.35	1.4	1.35	1.4	1.5
Lead 210-Dissolved (pCi/L)	-2.5	-13.8		3.8	1.1
Lead 210-Suspended (pCi/L)	27.1	12.8	-3.2	1.5	3.5
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	0.002	0.002	<0.001	<0.001	0.013
Magnesium-Dissolved (mg/L)	21.7	21.9	22.9	23.2	21.6
Manganese-Dissolved (mg/L)	0.08	0.08	0.07	0.07	0.07
Manganese-Total (mg/L)	0.08	0.08	0.07	0.07	0.07
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05

POWERTECH (USA) INC.

Analyte	Well# 615				
	4/1/2008 14:34	4/1/2008 14:42	4/21/2008 16:16	5/28/2008 19:20	6/25/2008 13:55
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	0.06	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	210	210	300	200	140
pH	7.36	7.34	7.43	7.16	7.48
Polonium 210-Dissolved (pCi/L)	0.6	0.8	0.9	-0.1	0.5
Polonium 210-Suspended (pCi/L)	0.4	0.9	0.4		
Potassium-Dissolved (mg/L)	8.7	8.6	8.7	9	8.7
Radium 226-Dissolved (pCi/L)	1.8	2.3	2	2	7.2
Radium 226-Suspended (pCi/L)	0.3		-0.2	0.2	-0.4
Radon 222-Total (pCi/L)	1490	1250	1180	1070	1830
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.6	7.6	7.8	4.4	4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	3.4	3.4	3.5	3.4	3.4
Sodium-Dissolved (mg/L)	127	128	132	134	127
Solids-Total Dissolved Calculated (mg/L)	715	710	715	745	696
Solids-Total Dissolved TDS @ 180 C (mg/L)	670	680	750	710	680
Strontium-Total (mg.L)	1.3	1.3	1.4	1.4	1.4
Sulfate (mg/L)	378	370	371	399	369
TDS Balance (0.80 - 1.20) (dec.%)	0.94	0.95	1.05	0.95	0.97
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.2				
Thorium 230-Suspended (pCi/L)	0.9	0.2	0.1	0.1	0.1
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0026	0.0026	0.0025	0.0024	0.0024
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.0026	0.0025	0.0025	0.0025	0.0023
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	0.02	0.02	<0.01	<0.01	<0.01

POWERTECH (USA) INC.

Well #619				
Analyte	**9/27/2007 17:45**	**11/12/2007 14:25**	**3/24/2008 15:40**	**6/17/2008 18:10**
A/C Balance (± 5) (%)	-1.34	-2.56	3.41	9.08
Alkalinity-Total as CaCO3 (mg/L)	140	98	116	116
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	0.3	0.2	0.2
Anions (meq/L)	28.7	26.8	29.9	28.3
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	0.001
Arsenic-Total (mg/L)			0.002	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	171	119	141	141
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)			<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.001	<0.005
Calcium-Dissolved (mg/L)	304	263	343	375
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	27.9	25.5	32	34
Chloride (mg/L)	9	10	12	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2270	1860	2180	2390
Copper-Dissolved (mg/L)	0.08	<0.01	<0.01	0.01
Copper-Total (mg/L)			<0.01	0.01
Fluoride (mg/L)	0.2	0.2	0.3	0.3
Gross Alpha-Dissolved (pCi/L)	367	341	438	398
Gross Beta-Dissolved (pCi/L)	117	170	175	144
Gross Gamma-Dissolved (pCi/L)	120	4200	25	270
Iron-Dissolved (mg/L)	1.95	4.39	3.22	3.03
Iron-Total (mg/L)			11.9	13
Lead 210-Dissolved (pCi/L)	<1	<1	19	-1.1
Lead 210-Suspended (pCi/L)	<1	<1	11	2
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	0.008	<0.001	<0.001	0.002
Lead-Total (mg/L)			0.005	0.002
Magnesium-Dissolved (mg/L)	106	96.4	125	129
Manganese-Dissolved (mg/L)	1.51	1.15	1.62	1.74
Manganese-Total (mg/L)			1.82	1.65
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1

POWERTECH (USA) INC.

Well #619				
Analyte	**9/27/2007 17:45**	**11/12/2007 14:25**	**3/24/2008 15:40**	**6/17/2008 18:10**
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		25	-80.2	150
pH	7.03	7.03	7.25	7.82
Polonium 210-Dissolved (pCi/L)	<1	<1	1.9	-0.1
Polonium 210-Suspended (pCi/L)	<1	<1	0.1	0.4
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	16.9	16.2	16.5	17.6
Radium 226-Dissolved (pCi/L)	120	100	99.7	110
Radium 226-Suspended (pCi/L)	<0.2	3.5	11.4	8.8
Radium 226-Total (pCi/L)	120			
Radon 222-Total (pCi/L)		2990	5580	5770
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.005	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.5	6	8	4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		1.2	1.1	1
Sodium-Dissolved (mg/L)	80	86.1	90.3	90
Solids-Total Dissolved Calculated (mg/L)	1830	1720	1980	1940
Solids-Total Dissolved TDS @ 180 C (mg/L)	2100	1900	2100	2000
Strontium-Total (mg.L)			5.2	5.4
Sulfate (mg/L)	1440	1180	1310	1230
TDS Balance (0.80 - 1.20) (dec.%)	1.14	1.09	1.05	1.02
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.5	<0.2		
Thorium 230-Suspended (pCi/L)	<0.2	0.2	0.2	
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.002	0.0015	0.0015	0.0016
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)			0.0018	0.0018
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.11	0.07	0.03	0.03
Zinc-Total (mg/L)			0.18	0.08

POWERTECH (USA) INC.

Well #622				
Analyte	**4/1/2008 14:56**	**4/21/2008 15:28**	**5/28/2008 18:26**	**6/25/2008 12:05**
A/C Balance (± 5) (%)	-18.5	3.01	5.53	3.53
Alkalinity-Total as CaCO3 (mg/L)	164	180	178	178
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	13.4	14	14.1	13.9
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Arsenic-Total (mg/L)	0.001	0.006	0.006	0.004
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	0.2	0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	200	219	217	217
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	11.2	87.6	97.5	89.6
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	9.23	14.9	15.8	14.9
Chloride (mg/L)	12	10	10	10
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1260	1330	1220	1410
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.3	0.4	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	15	22.6	32.6	36.4
Gross Beta-Dissolved (pCi/L)	9.2	16.2	11.9	22.5
Gross Gamma-Dissolved (pCi/L)			150	
Iron-Dissolved (mg/L)	<0.03	0.03	<0.03	<0.03
Iron-Total (mg/L)	0.96	7.34	10.7	5.17
Lead 210-Dissolved (pCi/L)	-3.5	-4.1	1.2	-2
Lead 210-Suspended (pCi/L)			-0.9	3.5
Lead-Dissolved (mg/L)	<0.001	0.001	0.001	<0.001
Lead-Total (mg/L)	0.004	0.026	0.023	0.03
Magnesium-Dissolved (mg/L)	7.1	32	32.7	31.2
Manganese-Dissolved (mg/L)	0.02	0.18	0.2	0.19
Manganese-Total (mg/L)	0.02	0.23	0.25	0.22
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05

POWERTECH (USA) INC.

Well #622				
Analyte	**4/1/2008 14:56**	**4/21/2008 15:28**	**5/28/2008 18:26**	**6/25/2008 12:05**
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	0.08	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	200	340	200	240
pH	8.15	7.85	7.52	7.95
Polonium 210-Dissolved (pCi/L)	0.8	1.1	-0.3	0.2
Polonium 210-Suspended (pCi/L)		2.8	2.5	1
Potassium-Dissolved (mg/L)	11.3	10.3	10.6	10.2
Radium 226-Dissolved (pCi/L)	2.3	2.7	3.2	4.1
Radium 226-Suspended (pCi/L)	0.7	0.9	1	-0.2
Radon 222-Total (pCi/L)	501	1090	804	1950
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	1.2	7.5	4	3.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	11	4.1	4.1	4
Sodium-Dissolved (mg/L)	179	175	182	174
Solids-Total Dissolved Calculated (mg/L)	793	931	944	914
Solids-Total Dissolved TDS @ 180 C (mg/L)	800	940	890	900
Strontium-Total (mg.L)	<0.1	1.6	1.6	1.6
Sulfate (mg/L)	470	487	493	481
TDS Balance (0.80 - 1.20) (dec.%)	1.01	1.01	0.95	0.99
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.1			
Thorium 230-Suspended (pCi/L)	0.2	0.1	0.1	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	0.0054	0.0056	0.0051
Uranium-Suspended (mg/L)	<0.0003	0.0008	0.0005	<0.0003
Uranium-Total (mg/L)	<0.0003	0.0065	0.0068	0.0059
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	0.01
Zinc-Total (mg/L)	0.03	0.22	0.25	0.13

POWERTECH (USA) INC.

Well #622								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.6075	11.31394	-13.1225	3.27	5.03	-18.5	5.53	4
Alkalinity-Total as CaCO3 (mg/L)	175	7.393691	167.5	178	179.5	164	180	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	13.85	0.310913	13.525	13.95	14.075	13.4	14.1	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Arsenic-Total (mg/L)	0.00425	0.002363	0.00175	0.005	0.006	0.001	0.006	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.1	0.070711	0.05	0.075	0.175	0.05	0.2	4
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Bicarbonate as HCO3 (mg/L)	213.25	8.883505	204.25	217	218.5	200	219	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	71.475	40.41001	30.3	88.6	95.525	11.2	97.5	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	13.7075	3.015	10.6475	14.9	15.575	9.23	15.8	4
Chloride (mg/L)	10.5	1	10	10	11.5	10	12	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	1305	83.46656	1230	1295	1390	1220	1410	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.375	0.05	0.325	0.4	0.4	0.3	0.4	4
Gross Alpha-Dissolved (pCi/L)	26.65	9.705497	16.9	27.6	35.45	15	36.4	4
Gross Beta-Dissolved (pCi/L)	14.95	5.800287	9.875	14.05	20.925	9.2	22.5	4
Gross Gamma-Dissolved (pCi/L)	37.5	75			112.5		150	4
Iron-Dissolved (mg/L)	0.01875	0.0075	0.015	0.015	0.02625	0.015	0.03	4
Iron-Total (mg/L)	6.0425	4.081212	2.0125	6.255	9.86	0.96	10.7	4
Lead-Dissolved (mg/L)	0.00075	0.000289	0.0005	0.00075	0.001	0.0005	0.001	4
Lead-Total (mg/L)	0.02075	0.011529	0.00875	0.0245	0.029	0.004	0.03	4
Lead 210-Dissolved (pCi/L)	-2.1	2.370654	-3.95	-2.75	0.4	-4.1	1.2	4
Lead 210-Suspended (pCi/L)	0.65	1.946792	-0.675		2.625	-0.9	3.5	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	25.75	12.44843	13.125	31.6	32.525	7.1	32.7	4
Manganese-Dissolved (mg/L)	0.1475	0.085391	0.06	0.185	0.1975	0.02	0.2	4
Manganese-Total (mg/L)	0.18	0.107393	0.07	0.225	0.245	0.02	0.25	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4

POWERTECH (USA) INC.

Well #622								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.0575	0.015	0.05	0.05	0.0725	0.05	0.08	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	245	66.08076	200	220	315	200	340	4
pH	7.8675	0.263106	7.6025	7.9	8.1	7.52	8.15	4
Polonium 210-Dissolved (pCi/L)	0.45	0.6245	-0.175	0.5	1.025	-0.3	1.1	4
Polonium 210-Suspended (pCi/L)	1.575	1.31244	0.25	1.75	2.725		2.8	4
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	10.6	0.496655	10.225	10.45	11.125	10.2	11.3	4
Radium 226-Dissolved (pCi/L)	3.075	0.776209	2.4	2.95	3.875	2.3	4.1	4
Radium 226-Suspended (pCi/L)	0.6	0.547723	0.025	0.8	0.975	-0.2	1	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1086.25	624.0355	576.75	947	1735	501	1950	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.000875	0.00075	0.0005	0.0005	0.001625	0.0005	0.002	4
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	4.15	2.582634	1.875	3.95	6.625	1.2	7.5	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	177.5	3.696846	174.25	177	181.25	174	182	4
Sodium Adsorption Ratio (SAR) (meq/L)	5.8	3.466987	4.025	4.1	9.275	4	11	4
Solids-Total Dissolved Calculated (mg/L)	895.5	69.42862	823.25	922.5	940.75	793	944	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	882.5	59.09033	822.5	895	930	800	940	4
Strontium-Total (mg.L)	1.2125	0.775	0.4375	1.6	1.6	0.05	1.6	4
Sulfate (mg/L)	482.75	9.810708	472.75	484	491.5	470	493	4
TDS Balance (0.80 - 1.20) (dec.%)	0.99	0.028284	0.96	1	1.01	0.95	1.01	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)	0.025	0.05			0.075		0.1	4
Thorium 230-Suspended (pCi/L)	0.1	0.08165	0.025	0.1	0.175		0.2	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.004063	0.002616	0.001388	0.00525	0.00555	0.00015	0.0056	4
Uranium-Suspended (mg/L)	0.0004	0.000314	0.00015	0.000325	0.000725	0.00015	0.0008	4
Uranium-Total (mg/L)	0.004838	0.003147	0.001588	0.0062	0.006725	0.00015	0.0068	4
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.00625	0.0025	0.005	0.005	0.00875	0.005	0.01	4
Zinc-Total (mg/L)	0.1575	0.099121	0.055	0.175	0.2425	0.03	0.25	4

POWERTECH (USA) INC.

Well #628				
Analyte	**9/28/2007 9:23**	**11/14/2007 10:59**	**2/20/2008 18:30**	**5/29/2008 15:02**
A/C Balance (± 5) (%)	-4.9	-1.74	0.362	5.86
Alkalinity-Total as CaCO3 (mg/L)	134	160	162	160
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.6	0.2	0.2	0.2
Anions (meq/L)	23.5	14.4	17.6	15.2
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	0.001	0.001
Arsenic-Total (mg/L)			0.001	0.004
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	154	195	193	195
Boron-Dissolved (mg/L)	0.4	<0.1	0.2	0.2
Boron-Total (mg/L)			<0.1	0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005
Calcium-Dissolved (mg/L)	24	43.2	50	40.1
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	21.3	13.9	17.8	17
Chloride (mg/L)	82	35	29	42
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2490	1800	1510	1640
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.5	0.4	0.4	0.5
Gross Alpha-Dissolved (pCi/L)	29.9	83.9	64.5	39
Gross Beta-Dissolved (pCi/L)	14	47.1	19	11.4
Gross Gamma-Dissolved (pCi/L)	<20	1100	440	260
Iron-Dissolved (mg/L)	0.11	<0.03	<0.03	<0.03
Iron-Total (mg/L)			0.7	0.66
Lead 210-Dissolved (pCi/L)	<1	<1	14	0.1
Lead 210-Suspended (pCi/L)	<1	<1	1.2	0.5
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001
Magnesium-Dissolved (mg/L)	11.4	16.9	20.6	17.5
Manganese-Dissolved (mg/L)	0.06	0.15	0.09	0.08
Manganese-Total (mg/L)			0.09	0.08
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05

POWERTECH (USA) INC.

Well #628				
Analyte	9/28/2007 9:23	11/14/2007 10:59	2/20/2008 18:30	5/29/2008 15:02
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		96	110	180
pH	8.66	7.77	8.32	8.21
Polonium 210-Dissolved (pCi/L)	<1	2.7	1.3	-0.5
Polonium 210-Suspended (pCi/L)	6.4	<1	<1	0.1
Polonium 210-Total (pCi/L)	6.4			
Potassium-Dissolved (mg/L)	8.8	8.5	9.3	8.2
Radium 226-Dissolved (pCi/L)	7.4	20.7	9	6.1
Radium 226-Suspended (pCi/L)	<0.2		1.7	-0.3
Radium 226-Total (pCi/L)	6.8			
Radon 222-Total (pCi/L)		2740	4360	5040
Selenium-Dissolved (mg/L)	0.002	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	4.5	7.2	5	4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		7.6	9.2	10
Sodium-Dissolved (mg/L)	435	233	306	307
Solids-Total Dissolved Calculated (mg/L)	1530	923	1180	1040
Solids-Total Dissolved TDS @ 180 C (mg/L)	1800	1300	920	980
Strontium-Total (mg.L)			0.9	0.9
Sulfate (mg/L)	1030	635	651	515
TDS Balance (0.80 - 1.20) (dec.%)	1.15	1.44	0.78	0.95
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	
Thorium 230-Suspended (pCi/L)	<0.2	0.3	<0.2	0.1
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0017	0.0034	0.003	0.0027
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)			0.0031	0.0029
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01

POWERTECH (USA) INC.

Well #628								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.1045	4.526388	-4.11	-0.689	4.4855	-4.9	5.86	4
Alkalinity-Total as CaCO3 (mg/L)	154	13.36663	140.5	160	161.5	134	162	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.3	0.2	0.2	0.2	0.5	0.2	0.6	4
Anions (meq/L)	17.675	4.114507	14.6	16.4	22.025	14.4	23.5	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000875	0.00025	0.000625	0.001	0.001	0.0005	0.001	4
Arsenic-Total (mg/L)	0.0025	0.002121		0.0025		0.001	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	184.25	20.18869	163.75	194	195	154	195	4
Boron-Dissolved (mg/L)	0.2125	0.143614	0.0875	0.2	0.35	0.05	0.4	4
Boron-Total (mg/L)	0.075	0.035355		0.075		0.05	0.1	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	39.325	11.02161	28.025	41.65	48.3	24	50	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	17.5	3.040833	14.675	17.4	20.425	13.9	21.3	4
Chloride (mg/L)	47	23.93045	30.5	38.5	72	29	82	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1860	436.4249	1542.5	1720	2317.5	1510	2490	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.45	0.057735	0.4	0.45	0.5	0.4	0.5	4
Gross Alpha-Dissolved (pCi/L)	54.325	24.56045	32.175	51.75	79.05	29.9	83.9	4
Gross Beta-Dissolved (pCi/L)	22.875	16.45507	12.05	16.5	40.075	11.4	47.1	4
Gross Gamma-Dissolved (pCi/L)	452.5	466.2885	72.5	350	935	10	1100	4
Iron-Dissolved (mg/L)	0.03875	0.0475	0.015	0.015	0.08625	0.015	0.11	4
Iron-Total (mg/L)	0.68	0.028284		0.68		0.66	0.7	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	3.775	6.819274	0.2	0.5	10.625	0.1	14	4
Lead 210-Suspended (pCi/L)	0.675	0.35	0.5	0.5	1.025	0.5	1.2	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	16.6	3.827096	12.775	17.2	19.825	11.4	20.6	4
Manganese-Dissolved (mg/L)	0.095	0.03873	0.065	0.085	0.135	0.06	0.15	4
Manganese-Total (mg/L)	0.085	0.007071		0.085		0.08	0.09	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00024	0.000238	0.00005	0.0001	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2

POWERTECH (USA) INC.

Well #628								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	128.6667	45.0037	96	110	180	96	180	3
pH	8.24	0.367242	7.88	8.265	8.575	7.77	8.66	4
Polonium 210-Dissolved (pCi/L)	1	1.351542	-0.25	0.9	2.35	-0.5	2.7	4
Polonium 210-Suspended (pCi/L)	1.875	3.022554	0.2	0.5	4.925	0.1	6.4	4
Polonium 210-Total (pCi/L)	6.4			6.4		6.4	6.4	1
Potassium-Dissolved (mg/L)	8.7	0.469042	8.275	8.65	9.175	8.2	9.3	4
Radium 226-Dissolved (pCi/L)	10.8	6.705719	6.425	8.2	17.775	6.1	20.7	4
Radium 226-Suspended (pCi/L)	0.5	1.058301	-0.3	0.1	1.7	-0.3	1.7	3
Radium 226-Total (pCi/L)	6.8			6.8		6.8	6.8	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	4046.667	1181.581	2740	4360	5040	2740	5040	3
Selenium-Dissolved (mg/L)	0.000875	0.00075	0.0005	0.0005	0.001625	0.0005	0.002	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	5.175	1.410378	4.125	4.75	6.65	4	7.2	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	320.25	83.98164	251.25	306.5	403	233	435	4
Sodium Adsorption Ratio (SAR) (meq/L)	8.933333	1.22202	7.6	9.2	10	7.6	10	3
Solids-Total Dissolved Calculated (mg/L)	1168.25	263.0569	952.25	1110	1442.5	923	1530	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	1250	402.8234	935	1140	1675	920	1800	4
Strontium-Total (mg.L)	0.9			0.9		0.9	0.9	2
Sulfate (mg/L)	707.75	223.2418	545	643	935.25	515	1030	4
TDS Balance (0.80 - 1.20) (dec.%)	1.08	0.283666	0.8225	1.05	1.3675	0.78	1.44	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	0.15	0.1	0.1	0.1	0.25	0.1	0.3	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.0027	0.000726	0.00195	0.00285	0.0033	0.0017	0.0034	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.003	0.000141		0.003		0.0029	0.0031	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.00625	0.0025	0.005	0.005	0.00875	0.005	0.01	4
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

POWERTECH (USA) INC.

Well #631				
Analyte	**9/26/2007 16:40**	**11/14/2007 15:20**	**2/20/2008 13:55**	**5/19/2008 11:06**
A/C Balance (± 5) (%)	-4.28	-3.03	-4.87	5.08
Alkalinity-Total as CaCO3 (mg/L)	168	160	158	164
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	26.9	28.9	29.5	29.7
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			<0.001	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	205	195	193	200
Boron-Dissolved (mg/L)	0.2	<0.1	0.1	0.2
Boron-Total (mg/L)			0.1	0.2
Cadmium-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.001
Calcium-Dissolved (mg/L)	268	307	324	375
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	24.7	27.2	26.8	32.8
Chloride (mg/L)	10	10	8	10
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2180	2170	2420	2530
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.2	0.5
Gross Alpha-Dissolved (pCi/L)	51	46.5	162	60.7
Gross Beta-Dissolved (pCi/L)	20.9	29.4	52.1	26.2
Gross Gamma-Dissolved (pCi/L)	520	1900	510	130
Iron-Dissolved (mg/L)	<0.03	0.84	0.57	0.39
Iron-Total (mg/L)			1.06	0.98
Lead 210-Dissolved (pCi/L)	<1	<1	6.1	0.5
Lead 210-Suspended (pCi/L)	<1	<1	7.5	-1.4
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.05	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001
Magnesium-Dissolved (mg/L)	82.9	89.3	82.6	110
Manganese-Dissolved (mg/L)	0.28	0.29	0.3	0.33
Manganese-Total (mg/L)			0.28	0.32
Mercury-Dissolved (mg/L)	<0.0002	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.01
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05

POWERTECH (USA) INC.

Well #631				
Analyte	**9/26/2007 16:40**	**11/14/2007 15:20**	**2/20/2008 13:55**	**5/19/2008 11:06**
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		<0	180	230
pH	7.76	7.23	7.6	7.54
Polonium 210-Dissolved (pCi/L)	<1	3.5	<1	0.2
Polonium 210-Suspended (pCi/L)	<1	<1	<1	0.1
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	15.9	15.7	15.7	16.3
Radium 226-Dissolved (pCi/L)	12.9	9.5	19.4	22.1
Radium 226-Suspended (pCi/L)	2.3		<0.9	-0.3
Radium 226-Total (pCi/L)	15.2			
Radon 222-Total (pCi/L)		4220	3920	4430
Selenium-Dissolved (mg/L)	0.002	<0.001	<0.001	<0.005
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			0.002	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.2	7.8	6.9	3.5
Silver-Dissolved (mg/L)	<0.01	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		1.2	0.99	1.2
Sodium-Dissolved (mg/L)	92.4	92.9	77.1	107
Solids-Total Dissolved Calculated (mg/L)	1690	1830	1880	1980
Solids-Total Dissolved TDS @ 180 C (mg/L)	1900	2000	2000	2000
Strontium-Total (mg.L)			5.6	6.8
Sulfate (mg/L)	1240	1220	1250	1250
TDS Balance (0.80 - 1.20) (dec.%)	1.11	1.09	1.05	1.02
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0.1
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	0.6	
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.001	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0027	0.0029	0.0027	0.0026
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.003		0.0026	0.0028
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	0.01

POWERTECH (USA) INC.

Well #631								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.775	4.633936	-4.7225	-3.655	3.0525	-4.87	5.08	4
Alkalinity-Total as CaCO3 (mg/L)	162.5	4.434712	158.5	162	167	158	168	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	28.75	1.279323	27.4	29.2	29.65	26.9	29.7	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Arsenic-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	198.25	5.377422	193.5	197.5	203.75	193	205	4
Boron-Dissolved (mg/L)	0.1375	0.075	0.0625	0.15	0.2	0.05	0.2	4
Boron-Total (mg/L)	0.15	0.070711		0.15		0.1	0.2	2
Cadmium-Dissolved (mg/L)	0.003125	0.00125	0.0025	0.0025	0.004375	0.0025	0.005	4
Cadmium-Total (mg/L)	0.0015	0.001414		0.0015		0.0005	0.0025	2
Calcium-Dissolved (mg/L)	318.5	44.3659	277.75	315.5	362.25	268	375	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	27.875	3.461575	25.225	27	31.4	24.7	32.8	4
Chloride (mg/L)	9.5	1	8.5	10	10	8	10	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	2325	178.9786	2172.5	2300	2502.5	2170	2530	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.325	0.125831	0.225	0.3	0.45	0.2	0.5	4
Gross Alpha-Dissolved (pCi/L)	80.05	54.95371	47.625	55.85	136.675	46.5	162	4
Gross Beta-Dissolved (pCi/L)	32.15	13.75415	22.225	27.8	46.425	20.9	52.1	4
Gross Gamma-Dissolved (pCi/L)	765	778.1388	225	515	1555	130	1900	4
Iron-Dissolved (mg/L)	0.45375	0.346058	0.10875	0.48	0.7725	0.015	0.84	4
Iron-Total (mg/L)	1.02	0.056569		1.02		0.98	1.06	2
Lead-Dissolved (mg/L)	0.006625	0.01225	0.0005	0.0005	0.018875	0.0005	0.025	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	1.9	2.8	0.5	0.5	4.7	0.5	6.1	4
Lead 210-Suspended (pCi/L)	1.775	3.920353	-0.925	0.5	5.75	-1.4	7.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	91.2	12.90865	82.675	86.1	104.825	82.6	110	4
Manganese-Dissolved (mg/L)	0.3	0.021602	0.2825	0.295	0.3225	0.28	0.33	4
Manganese-Total (mg/L)	0.3	0.028284		0.3		0.28	0.32	2
Mercury-Dissolved (mg/L)	0.0004	0.0002	0.0002	0.0005	0.0005	0.0001	0.0005	4
Mercury-Total (mg/L)	0.000388	0.000225	0.000163	0.0005	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.005			0.005		0.005	0.005	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4

POWERTECH (USA) INC.

Well #631								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	136.6667	120.9683		180	230		230	3
pH	7.5325	0.222017	7.3075	7.57	7.72	7.23	7.76	4
Polonium 210-Dissolved (pCi/L)	1.175	1.556438	0.275	0.5	2.75	0.2	3.5	4
Polonium 210-Suspended (pCi/L)	0.4	0.2	0.2	0.5	0.5	0.1	0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	15.9	0.282843	15.7	15.8	16.2	15.7	16.3	4
Radium 226-Dissolved (pCi/L)	15.975	5.791589	10.35	16.15	21.425	9.5	22.1	4
Radium 226-Suspended (pCi/L)	0.816667	1.33822	-0.3	0.45	2.3	-0.3	2.3	3
Radium 226-Total (pCi/L)	15.2			15.2		15.2	15.2	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	4190	256.3201	3920	4220	4430	3920	4430	3
Selenium-Dissolved (mg/L)	0.001375	0.001031	0.0005	0.00125	0.002375	0.0005	0.0025	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.35	1.936492	4.35	7.05	7.65	3.5	7.8	4
Silver-Dissolved (mg/L)	0.003125	0.00125	0.0025	0.0025	0.004375	0.0025	0.005	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	92.35	12.21324	80.925	92.65	103.475	77.1	107	4
Sodium Adsorption Ratio (SAR) (meq/L)	1.13	0.121244	0.99	1.2	1.2	0.99	1.2	3
Solids-Total Dissolved Calculated (mg/L)	1845	120.6924	1725	1855	1955	1690	1980	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	1975	50	1925	2000	2000	1900	2000	4
Strontium-Total (mg.L)	6.2	0.848528		6.2		5.6	6.8	2
Sulfate (mg/L)	1240	14.14214	1225	1245	1250	1220	1250	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0675	0.040311	1.0275	1.07	1.105	1.02	1.11	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Thorium 230-Suspended (pCi/L)	0.2	0.270801	0.025	0.1	0.475		0.6	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.002	0.001	0.001	0.0025	0.0025	0.0005	0.0025	4
Uranium-Dissolved (mg/L)	0.002725	0.000126	0.002625	0.0027	0.00285	0.0026	0.0029	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.0028	0.0002	0.0026	0.0028	0.003	0.0026	0.003	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.0075	0.003536		0.0075		0.005	0.01	2

POWERTECH (USA) INC.

Well #635				
Analyte	**9/26/2007 18:08**	**11/27/2007 8:25**	**2/10/2008 14:55**	**4/29/2008 19:00**
A/C Balance (± 5) (%)	-1.14	-0.831	-0.25	3.52
Alkalinity-Total as CaCO3 (mg/L)	124	118	120	118
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.1	0.4	0.5	0.5
Anions (meq/L)	30.4	31.6	33.7	32.8
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			<0.001	0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	151	144	146	144
Boron-Dissolved (mg/L)	0.4	0.4	0.5	0.4
Boron-Total (mg/L)			0.5	0.4
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005
Calcium-Dissolved (mg/L)	110	120	132	136
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	29.8	31.1	33.5	35.2
Chloride (mg/L)	24	23	26	20
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2890	2830	2950	2810
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	2.5	4.4	14.8	13.2
Gross Beta-Dissolved (pCi/L)	4.3	6.3	10	-8
Gross Gamma-Dissolved (pCi/L)	960	1000	91	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)			1.11	1.08
Lead 210-Dissolved (pCi/L)	<1	1.7	<1	
Lead 210-Suspended (pCi/L)	<1	5.1	<1	-9.6
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.001	0.003	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001
Magnesium-Dissolved (mg/L)	44.3	49	52.3	54.1
Manganese-Dissolved (mg/L)	0.06	0.07	0.06	0.06
Manganese-Total (mg/L)			0.06	0.05
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05

POWERTECH (USA) INC.

Well #635				
Analyte	**9/26/2007 18:08**	**11/27/2007 8:25**	**2/10/2008 14:55**	**4/29/2008 19:00**
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.05
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.05
Oxidation-Reduction Potential (mV)		270	129.4	180
pH	7.72	7.64	7.91	8.2
Polonium 210-Dissolved (pCi/L)	<1	1.9	<1	1.1
Polonium 210-Suspended (pCi/L)	<1	<1	<1	
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	7.8	8.3	8.2	7.3
Radium 226-Dissolved (pCi/L)	1.6	0.8	1.3	
Radium 226-Suspended (pCi/L)	0.8	<0.2	0.6	0.3
Radium 226-Total (pCi/L)	2.4			
Radon 222-Total (pCi/L)		902	806	1070
Selenium-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	8.6	9	10	4.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		9.3	9.6	10
Sodium-Dissolved (mg/L)	470	480	515	545
Solids-Total Dissolved Calculated (mg/L)	2040	2120	2270	2280
Solids-Total Dissolved TDS @ 180 C (mg/L)	2200	2300	2300	2200
Strontium-Total (mg.L)			4.2	4.6
Sulfate (mg/L)	1500	1370	1470	1430
TDS Balance (0.80 - 1.20) (dec.%)	1.09	1.08	1.03	0.98
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0.2
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	<0.2	0.1
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.002	0.002	0.0021	0.0017
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.002		0.0021	0.0017
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	0.02	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01

POWERTECH (USA) INC.

Well #635								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	0.32475	2.161883	-1.06275	-0.5405	2.5775	-1.14	3.52	4
Alkalinity-Total as CaCO3 (mg/L)	120	2.828427	118	119	123	118	124	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.375	0.189297	0.175	0.45	0.5	0.1	0.5	4
Anions (meq/L)	32.125	1.436141	30.7	32.2	33.475	30.4	33.7	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.00075	0.000354		0.00075		0.0005	0.001	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	146.25	3.304038	144	145	149.75	144	151	4
Boron-Dissolved (mg/L)	0.425	0.05	0.4	0.4	0.475	0.4	0.5	4
Boron-Total (mg/L)	0.45	0.070711		0.45		0.4	0.5	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	124.5	11.81807	112.5	126	135	110	136	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	32.4	2.415229	30.125	32.3	34.775	29.8	35.2	4
Chloride (mg/L)	23.25	2.5	20.75	23.5	25.5	20	26	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	2870	63.24555	2815	2860	2935	2810	2950	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.35	0.057735	0.3	0.35	0.4	0.3	0.4	4
Gross Alpha-Dissolved (pCi/L)	8.725	6.174882	2.975	8.8	14.4	2.5	14.8	4
Gross Beta-Dissolved (pCi/L)	3.15	7.799359	-4.925	5.3	9.075	-8	10	4
Gross Gamma-Dissolved (pCi/L)	512.75	541.0578	22.75	525.5	990		1000	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	1.095	0.021213		1.095		1.08	1.11	2
Lead-Dissolved (mg/L)	0.001125	0.00125	0.0005	0.0005	0.002375	0.0005	0.003	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	0.675	0.722842	0.125	0.5	1.4		1.7	4
Lead 210-Suspended (pCi/L)	-0.875	6.207724	-7.075	0.5	3.95	-9.6	5.1	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	49.925	4.303777	45.475	50.65	53.65	44.3	54.1	4
Manganese-Dissolved (mg/L)	0.0625	0.005	0.06	0.06	0.0675	0.06	0.07	4
Manganese-Total (mg/L)	0.055	0.007071		0.055		0.05	0.06	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.03	0.028284		0.03		0.01	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2

POWERTECH (USA) INC.

Well #635								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	193.1333	71.21414	129.4	180	270	129.4	270	3
pH	7.8675	0.248914	7.66	7.815	8.1275	7.64	8.2	4
Polonium 210-Dissolved (pCi/L)	1	0.663325	0.5	0.8	1.7	0.5	1.9	4
Polonium 210-Suspended (pCi/L)	0.375	0.25	0.125	0.5	0.5		0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	7.9	0.454606	7.425	8	8.275	7.3	8.3	4
Radium 226-Dissolved (pCi/L)	1.233333	0.404145	0.8	1.3	1.6	0.8	1.6	3
Radium 226-Suspended (pCi/L)	0.45	0.310913	0.15	0.45	0.75	0.1	0.8	4
Radium 226-Total (pCi/L)	2.4			2.4		2.4	2.4	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	926	133.6263	806	902	1070	806	1070	3
Selenium-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Selenium-IV-Dissolved (mg/L)	0.000667	0.000289	0.0005	0.0005	0.001	0.0005	0.001	3
Selenium-Total (mg/L)	0.00075	0.000354		0.00075		0.0005	0.001	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	8.125	2.229163	5.825	8.8	9.75	4.9	10	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	502.5	34.27827	472.5	497.5	537.5	470	545	4
Sodium Adsorption Ratio (SAR) (meq/L)	9.633333	0.351188	9.3	9.6	10	9.3	10	3
Solids-Total Dissolved Calculated (mg/L)	2177.5	117.2959	2060	2195	2277.5	2040	2280	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	2250	57.73503	2200	2250	2300	2200	2300	4
Strontium-Total (mg.L)	4.4	0.282843		4.4		4.2	4.6	2
Sulfate (mg/L)	1442.5	56.19905	1385	1450	1492.5	1370	1500	4
TDS Balance (0.80 - 1.20) (dec.%)	1.045	0.050662	0.9925	1.055	1.0875	0.98	1.09	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.125	0.05	0.1	0.1	0.175	0.1	0.2	4
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00195	0.000173	0.001775	0.002	0.002075	0.0017	0.0021	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.001933	0.000208	0.0017	0.002	0.0021	0.0017	0.0021	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.00875	0.0075	0.005	0.005	0.01625	0.005	0.02	4
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

POWERTECH (USA) INC.

Well #650				
Analyte	**9/28/2007 19:00**	**11/12/2007 15:30**	**3/24/2008 9:00**	**5/30/2008 16:30**
A/C Balance (± 5) (%)	-3.87	4.96	-5.85	-1.4
Alkalinity-Total as CaCO3 (mg/L)	116	108	30	30
Aluminum-Dissolved (mg/L)	0.6	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.6	0.6	0.4	0.4
Anions (meq/L)	25.9	23.5	17.8	18.2
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			0.001	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	141	132	37	37
Boron-Dissolved (mg/L)	<0.1	<0.1	0.1	0.1
Boron-Total (mg/L)			0.1	0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.001	<0.005
Calcium-Dissolved (mg/L)	219	221	101	125
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	23.9	26	15.9	17.7
Chloride (mg/L)	17	16	19	16
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2260	1770	1540	1700
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			0.08	<0.01
Fluoride (mg/L)	<0.1	<0.1	0.1	0.1
Gross Alpha-Dissolved (pCi/L)	13.1	5.6	2.9	2.1
Gross Beta-Dissolved (pCi/L)	20.9	20.1	12.5	10.8
Gross Gamma-Dissolved (pCi/L)	1100	2200	<20	
Iron-Dissolved (mg/L)	13.2	0.68	0.06	0.1
Iron-Total (mg/L)			7.59	8.99
Lead 210-Dissolved (pCi/L)	<1	1.4	24	1.5
Lead 210-Suspended (pCi/L)	<1	<1	12	6.2
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			0.05	0.002
Magnesium-Dissolved (mg/L)	85.2	100	62.3	70.6
Manganese-Dissolved (mg/L)	2.44	1.39	0.43	0.94
Manganese-Total (mg/L)			0.56	0.66
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.0001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05

POWERTECH (USA) INC.

Well #650				
Analyte	**9/28/2007 19:00**	**11/12/2007 15:30**	**3/24/2008 9:00**	**5/30/2008 16:30**
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		190	120	200
pH	7.04	7.22	7.4	7.3
Polonium 210-Dissolved (pCi/L)	<1	<1	0.4	-0.2
Polonium 210-Suspended (pCi/L)	<1	<1	1.2	0.2
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	17.6	18.1	14.5	15.6
Radium 226-Dissolved (pCi/L)	2.7	2.4	1.4	1.2
Radium 226-Suspended (pCi/L)	0.6	<0.2	0.7	-0.02
Radium 226-Total (pCi/L)	3.2			
Radon 222-Total (pCi/L)		134	202	254
Selenium-Dissolved (mg/L)	0.002	<0.001	<0.005	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			<0.001	<0.001
Selenium-VI-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	2.7	1.1	0.9	<0.5
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		1.9	2.3	2.1
Sodium-Dissolved (mg/L)	110	139	121	119
Solids-Total Dissolved Calculated (mg/L)	1630	1560	1140	1190
Solids-Total Dissolved TDS @ 180 C (mg/L)	2000	1600	1300	1400
Strontium-Total (mg.L)			2.1	2.6
Sulfate (mg/L)	1320	1000	801	825
TDS Balance (0.80 - 1.20) (dec.%)	1.21	1.01	1.11	1.13
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	0.4	
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	0.8	0.2
Thorium 230-Total (pCi/L)	<0.2			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0019	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	0.0014	<0.0003	0.0033	<0.0003
Uranium-Total (mg/L)			0.0004	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.02	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			0.07	0.02

POWERTECH (USA) INC.

Well #650								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.54	4.700163	-5.355	-2.635	3.37	-5.85	4.96	4
Alkalinity-Total as CaCO3 (mg/L)	71	47.45524	30	69	114	30	116	4
Aluminum-Dissolved (mg/L)	0.1875	0.275	0.05	0.05	0.4625	0.05	0.6	4
Ammonia (mg/L)	0.5	0.11547	0.4	0.5	0.6	0.4	0.6	4
Anions (meq/L)	21.35	3.993745	17.9	20.85	25.3	17.8	25.9	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000875	0.00075	0.0005	0.0005	0.001625	0.0005	0.002	4
Arsenic-Total (mg/L)	0.0015	0.000707		0.0015		0.001	0.002	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	86.75	57.56373	37	84.5	138.75	37	141	4
Boron-Dissolved (mg/L)	0.075	0.028868	0.05	0.075	0.1	0.05	0.1	4
Boron-Total (mg/L)	0.1			0.1		0.1	0.1	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0015	0.001414		0.0015		0.0005	0.0025	2
Calcium-Dissolved (mg/L)	166.5	62.55398	107	172	220.5	101	221	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	20.875	4.838991	16.35	20.8	25.475	15.9	26	4
Chloride (mg/L)	17	1.414214	16	16.5	18.5	16	19	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1817.5	310.309	1580	1735	2137.5	1540	2260	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.0425	0.053033		0.0425		0.005	0.08	2
Fluoride (mg/L)	0.075	0.028868	0.05	0.075	0.1	0.05	0.1	4
Gross Alpha-Dissolved (pCi/L)	5.925	5.012235	2.3	4.25	11.225	2.1	13.1	4
Gross Beta-Dissolved (pCi/L)	16.075	5.166801	11.225	16.3	20.7	10.8	20.9	4
Gross Gamma-Dissolved (pCi/L)	827.5	1050.567	2.5	555	1925		2200	4
Iron-Dissolved (mg/L)	3.51	6.46621	0.07	0.39	10.07	0.06	13.2	4
Iron-Total (mg/L)	8.29	0.989949		8.29		7.59	8.99	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.026	0.033941		0.026		0.002	0.05	2
Lead 210-Dissolved (pCi/L)	6.85	11.44217	0.725	1.45	18.375	0.5	24	4
Lead 210-Suspended (pCi/L)	4.8	5.500909	0.5	3.35	10.55	0.5	12	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	79.525	16.61112	64.375	77.9	96.3	62.3	100	4
Manganese-Dissolved (mg/L)	1.3	0.855219	0.5575	1.165	2.1775	0.43	2.44	4
Manganese-Total (mg/L)	0.61	0.070711		0.61		0.56	0.66	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000175	0.000218	0.00005	0.000075	0.0004	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2

POWERTECH (USA) INC.

Well #650								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	170	43.58899	120	190	200	120	200	3
pH	7.24	0.152315	7.085	7.26	7.375	7.04	7.4	4
Polonium 210-Dissolved (pCi/L)	0.3	0.33665	-0.05	0.45	0.5	-0.2	0.5	4
Polonium 210-Suspended (pCi/L)	0.6	0.424264	0.275	0.5	1.025	0.2	1.2	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	16.45	1.690168	14.775	16.6	17.975	14.5	18.1	4
Radium 226-Dissolved (pCi/L)	1.925	0.736546	1.25	1.9	2.625	1.2	2.7	4
Radium 226-Suspended (pCi/L)	0.345	0.357911	0.01	0.35	0.675	-0.02	0.7	4
Radium 226-Total (pCi/L)	3.2			3.2		3.2	3.2	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	196.6667	60.17752	134	202	254	134	254	3
Selenium-Dissolved (mg/L)	0.001375	0.001031	0.0005	0.00125	0.002375	0.0005	0.0025	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	1.2375	1.040332	0.4125	1	2.3	0.25	2.7	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	122.25	12.14839	112.25	120	134.5	110	139	4
Sodium Adsorption Ratio (SAR) (meq/L)	2.1	0.2	1.9	2.1	2.3	1.9	2.3	3
Solids-Total Dissolved Calculated (mg/L)	1380	250.7323	1152.5	1375	1612.5	1140	1630	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	1575	309.5696	1325	1500	1900	1300	2000	4
Strontium-Total (mg.L)	2.35	0.353553		2.35		2.1	2.6	2
Sulfate (mg/L)	986.5	239.3721	807	912.5	1240	801	1320	4
TDS Balance (0.80 - 1.20) (dec.%)	1.115	0.08226	1.035	1.12	1.19	1.01	1.21	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.15	0.173205	0.025	0.1	0.325		0.4	4
Thorium 230-Suspended (pCi/L)	0.3	0.33665	0.1	0.15	0.65	0.1	0.8	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.000588	0.000875	0.00015	0.00015	0.001463	0.00015	0.0019	4
Uranium-Suspended (mg/L)	0.00125	0.001488	0.00015	0.000775	0.002825	0.00015	0.0033	4
Uranium-Total (mg/L)	0.000275	0.000177		0.000275		0.00015	0.0004	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.00875	0.0075	0.005	0.005	0.01625	0.005	0.02	4
Zinc-Total (mg/L)	0.045	0.035355		0.045		0.02	0.07	2

POWERTECH (USA) INC.

Well #675					
Analyte	**9/28/2007 10:49**	**11/27/2007 17:34**	**2/5/2008 12:05**	**4/29/2008 17:47**	**4/29/2008 17:50**
A/C Balance (± 5) (%)	-4.99	1.35	5.71	1.42	0.84
Alkalinity-Total as CaCO3 (mg/L)	378	352	388	422	428
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.3	0.5	0.3	0.2	0.2
Anions (meq/L)	84.2	80	77.8	89.5	90.4
Antimony-Total (mg/L)			<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	0.001	0.001	0.001
Arsenic-Total (mg/L)			0.002	0.002	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	461	429	473	514	522
Boron-Dissolved (mg/L)	0.4	0.3	0.4	0.3	0.3
Boron-Total (mg/L)			<0.1	0.3	0.3
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	400	410	439	450	452
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	76.2	82.2	87.2	92.1	91.9
Chloride (mg/L)	64	60	75	64	64
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	6090	5830	6340	6560	6530
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01	<0.01
Fluoride (mg/L)	0.1	0.4	0.6	0.5	0.5
Gross Alpha-Dissolved (pCi/L)	18.8	18.3	29.3	55.2	51.1
Gross Beta-Dissolved (pCi/L)	18.5	<2	25.3	8	-0.4
Gross Gamma-Dissolved (pCi/L)	<20	1100	<20		
Iron-Dissolved (mg/L)	0.13	0.05	0.15	1.88	2.32
Iron-Total (mg/L)			3.48	5.03	5.12
Lead 210-Dissolved (pCi/L)	<1	6	<1		
Lead 210-Suspended (pCi/L)	14	<1	<1	-19.2	-5.2
Lead 210-Total (pCi/L)	14				
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	339	362	376	408	416
Manganese-Dissolved (mg/L)	2.89	3.14	3.39	3.02	2.66
Manganese-Total (mg/L)			3.4	3.02	2.75
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.0001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			<0.01	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05	<0.05

POWERTECH (USA) INC.

Well #675					
Analyte	**9/28/2007 10:49**	**11/27/2007 17:34**	**2/5/2008 12:05**	**4/29/2008 17:47**	**4/29/2008 17:50**
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.1	0.07	0.07
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.05	<0.05
Oxidation-Reduction Potential (mV)		220	180	240	240
pH	7.25	7.32	7.29	7.53	7.79
Polonium 210-Dissolved (pCi/L)	<1	<1	2.1	0.6	1.2
Polonium 210-Suspended (pCi/L)	<1	2	<1	0.3	-0.1
Polonium 210-Total (pCi/L)	<1				
Potassium-Dissolved (mg/L)	28	25.2	24.5	21.7	21.4
Radium 226-Dissolved (pCi/L)	<0.2	0.5	<0.2		
Radium 226-Suspended (pCi/L)	2.3	1.7	<0.2	0.7	0.7
Radium 226-Total (pCi/L)	2.3				
Radon 222-Total (pCi/L)		712	783	960	960
Selenium-Dissolved (mg/L)	0.003	<0.001	0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)			0.004	0.002	0.002
Selenium-VI-Dissolved (mg/L)		<0.001	0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	16	14.9	14.4	7.3	7.4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		6.2	6.5	6.6	6.4
Sodium-Dissolved (mg/L)	630	713	769	809	789
Solids-Total Dissolved Calculated (mg/L)	5280	5200	5180	5830	5860
Solids-Total Dissolved TDS @ 180 C (mg/L)	5900	6100	6100	5700	4800
Strontium-Total (mg.L)			8.3	8.8	8.6
Sulfate (mg/L)	3600	3420	3260	3810	3840
TDS Balance (0.80 - 1.20) (dec.%)	1.11	1.17	1.18	0.97	0.82
Thallium-Total (mg/L)			<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2		
Thorium 230-Suspended (pCi/L)	<0.2	1.3	<0.2		0.1
Thorium 230-Total (pCi/L)	<0.2				
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0372	0.0307	0.0387	0.0493	0.0485
Uranium-Suspended (mg/L)	0.0013	0.003	0.0005	<0.0003	<0.0003
Uranium-Total (mg/L)			0.0387	0.0502	0.0516
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.02	0.02	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01	0.01

POWERTECH (USA) INC.

Well #675								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	0.866	3.817686	-2.075	1.35	3.565	-4.99	5.71	5
Alkalinity-Total as CaCO3 (mg/L)	393.6	31.6038	365	388	425	352	428	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.3	0.122474	0.2	0.3	0.4	0.2	0.5	5
Anions (meq/L)	84.38	5.589454	78.9	84.2	89.95	77.8	90.4	5
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	3
Arsenic-Dissolved (mg/L)	0.0009	0.000224	0.00075	0.001	0.001	0.0005	0.001	5
Arsenic-Total (mg/L)	0.002		0.002	0.002	0.002	0.002	0.002	3
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Bicarbonate as HCO3 (mg/L)	479.8	38.50584	445	473	518	429	522	5
Boron-Dissolved (mg/L)	0.34	0.054772	0.3	0.3	0.4	0.3	0.4	5
Boron-Total (mg/L)	0.216667	0.144338	0.05	0.3	0.3	0.05	0.3	3
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Calcium-Dissolved (mg/L)	430.2	23.79496	405	439	451	400	452	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	85.92	6.780634	79.2	87.2	92	76.2	92.1	5
Chloride (mg/L)	65.4	5.639149	62	64	69.5	60	75	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Conductivity @ 25 C (umhos/cm)	6270	309.2733	5960	6340	6545	5830	6560	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Fluoride (mg/L)	0.42	0.192354	0.25	0.5	0.55	0.1	0.6	5
Gross Alpha-Dissolved (pCi/L)	34.54	17.6069	18.55	29.3	53.15	18.3	55.2	5
Gross Beta-Dissolved (pCi/L)	10.48	11.16185	0.3	8	21.9	-0.4	25.3	5
Gross Gamma-Dissolved (pCi/L)	224	489.7244		10	555		1100	5
Iron-Dissolved (mg/L)	0.906	1.101649	0.09	0.15	2.1	0.05	2.32	5
Iron-Total (mg/L)	4.543333	0.921973	3.48	5.03	5.12	3.48	5.12	3
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Lead 210-Dissolved (pCi/L)	1.4	2.583602		0.5	3.25		6	5
Lead 210-Suspended (pCi/L)	-1.88	11.98445	-12.2	0.5	7.25	-19.2	14	5
Lead 210-Total (pCi/L)	14			14		14	14	1
Magnesium-Dissolved (mg/L)	380.2	32.01874	350.5	376	412	339	416	5
Manganese-Dissolved (mg/L)	3.02	0.272855	2.775	3.02	3.265	2.66	3.39	5
Manganese-Total (mg/L)	3.056667	0.326548	2.75	3.02	3.4	2.75	3.4	3
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.000314	0.000232	0.00005	0.0005	0.0005	0.00005	0.0005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.035	0.025981	0.005	0.05	0.05	0.005	0.05	3
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3

POWERTECH (USA) INC.

Well #675								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.058	0.010954	0.05	0.05	0.07	0.05	0.07	5
Nitrogen, Nitrite as N (mg/L)	0.04	0.013693	0.025	0.05	0.05	0.025	0.05	5
Oxidation-Reduction Potential (mV)	220	28.28427	190	230	240	180	240	4
pH	7.436	0.225566	7.27	7.32	7.66	7.25	7.79	5
Polonium 210-Dissolved (pCi/L)	0.98	0.690652	0.5	0.6	1.65	0.5	2.1	5
Polonium 210-Suspended (pCi/L)	0.64	0.798749	0.1	0.5	1.25	-0.1	2	5
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	24.16	2.720845	21.55	24.5	26.6	21.4	28	5
Radium 226-Dissolved (pCi/L)	0.233333	0.23094	0.1	0.1	0.5	0.1	0.5	3
Radium 226-Suspended (pCi/L)	1.1	0.883176	0.4	0.7	2	0.1	2.3	5
Radium 226-Total (pCi/L)	2.3			2.3		2.3	2.3	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	853.75	126.0645	729.75	871.5	960	712	960	4
Selenium-Dissolved (mg/L)	0.0011	0.001084	0.0005	0.0005	0.002	0.0005	0.003	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.002667	0.001155	0.002	0.002	0.004	0.002	0.004	3
Selenium-VI-Dissolved (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Silica-Dissolved (mg/L)	12	4.284274	7.35	14.4	15.45	7.3	16	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Sodium-Dissolved (mg/L)	742	72.13182	671.5	769	799	630	809	5
Sodium Adsorption Ratio (SAR) (meq/L)	6.425	0.170783	6.25	6.45	6.575	6.2	6.6	4
Solids-Total Dissolved Calculated (mg/L)	5470	344.5287	5190	5280	5845	5180	5860	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	5720	540.3702	5250	5900	6100	4800	6100	5
Strontium-Total (mg.L)	8.566667	0.251661	8.3	8.6	8.8	8.3	8.8	3
Sulfate (mg/L)	3586	249.3592	3340	3600	3825	3260	3840	5
TDS Balance (0.80 - 1.20) (dec.%)	1.05	0.15346	0.895	1.11	1.175	0.82	1.18	5
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Thorium 230-Dissolved (pCi/L)	0.06	0.054772		0.1	0.1		0.1	5
Thorium 230-Suspended (pCi/L)	0.32	0.549545	0.05	0.1	0.7		1.3	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.04088	0.00792	0.03395	0.0387	0.0489	0.0307	0.0493	5
Uranium-Suspended (mg/L)	0.00102	0.001202	0.00015	0.0005	0.00215	0.00015	0.003	5
Uranium-Total (mg/L)	0.046833	0.007078	0.0387	0.0502	0.0516	0.0387	0.0516	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Zinc-Dissolved (mg/L)	0.011	0.008216	0.005	0.005	0.02	0.005	0.02	5
Zinc-Total (mg/L)	0.006667	0.002887	0.005	0.005	0.01	0.005	0.01	3

POWERTECH (USA) INC.

Well #676				
Analyte	**9/28/2007 13:46**	**11/27/2007 12:20**	**2/5/2008 16:57**	**4/29/2008 12:27**
A/C Balance (± 5) (%)	-3.7	-2.19	0.0941	1.76
Alkalinity-Total as CaCO3 (mg/L)	240	228	208	220
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	38.2	40.9	39.5	41.4
Antimony-Total (mg/L)	0	0	<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)	0	0	0.021	<0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	0	0	0.5	<0.1
Beryllium-Total (mg/L)	0	0	0.003	<0.001
Bicarbonate as HCO3 (mg/L)	293	278	254	268
Boron-Dissolved (mg/L)	0.4	0.4	0.5	0.5
Boron-Total (mg/L)	0	0	0.5	0.4
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	0	0	<0.005	<0.005
Calcium-Dissolved (mg/L)	465	514	518	561
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	35.5	39.1	39.5	430
Chloride (mg/L)	15	16	14	13
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	0	0	0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2880	2860	3010	3100
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	0	0	0.12	<0.01
Fluoride (mg/L)	0.2	0.2	0.4	0.3
Gross Alpha-Dissolved (pCi/L)	37.1	31.9	95.5	51.6
Gross Beta-Dissolved (pCi/L)	11.1	21.6	22.1	9.2
Gross Gamma-Dissolved (pCi/L)	1100	1000	<20	0
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)	0	0	66	0.57
Lead 210-Dissolved (pCi/L)	<1	<1	4.1	-0.9
Lead 210-Suspended (pCi/L)	<1	<1	3.8	-6.7
Lead 210-Total (pCi/L)	<1	0	0	0
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	0	0	0.06	<0.001
Magnesium-Dissolved (mg/L)	104	113	114	129
Manganese-Dissolved (mg/L)	0.02	<0.01	0.02	<0.01
Manganese-Total (mg/L)	0	0	2.52	0.03
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	0	0	<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	0	0	0.1	<0.05

POWERTECH (USA) INC.

Well #676				
Analyte	**9/28/2007 13:46**	**11/27/2007 12:20**	**2/5/2008 16:57**	**4/29/2008 12:27**
Nitrogen, Nitrate as N (mg/L)	1	1	0.7	0.76
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.05
Oxidation-Reduction Potential (mV)	0	250	230	280
pH	7.13	7.17	7.2	7.46
Polonium 210-Dissolved (pCi/L)	<1	1.2	2.9	1.1
Polonium 210-Suspended (pCi/L)	<1	<1	2.2	0.1
Polonium 210-Total (pCi/L)	<1	0	0	0
Potassium-Dissolved (mg/L)	11.6	12.3	12.7	10.9
Radium 226-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0
Radium 226-Suspended (pCi/L)	<0.2	<0.2	11.4	0
Radium 226-Total (pCi/L)	<0.2	0	0	0
Radon 222-Total (pCi/L)	0	453	686	755
Selenium-Dissolved (mg/L)	0.017	0.014	0.012	0.009
Selenium-IV-Dissolved (mg/L)	0	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0	0	0.013	0.012
Selenium-VI-Dissolved (mg/L)	0	0.014	0.012	0.009
Silica-Dissolved (mg/L)	13.7	14.4	14.3	6.4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	0	0	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	0	0.92	0.96	0.93
Sodium-Dissolved (mg/L)	80	88.8	92.2	94
Solids-Total Dissolved Calculated (mg/L)	2410	2600	2550	2720
Solids-Total Dissolved TDS @ 180 C (mg/L)	3000	2900	2500	2600
Strontium-Total (mg.L)	0	0	9.2	8.6
Sulfate (mg/L)	1790	1720	1670	1760
TDS Balance (0.80 - 1.20) (dec.%)	1.24	1.12	0.98	0.95
Thallium-Total (mg/L)	0	0	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	4.2	0
Thorium 230-Total (pCi/L)	<0.2	0	0	0
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0494	0.0548	0.0586	0.0557
Uranium-Suspended (mg/L)	0.0096	0.0011	0.0702	<0.0003
Uranium-Total (mg/L)	0	0	0.0687	0.0591
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	0.03	<0.01	<0.01
Zinc-Total (mg/L)	0	0	0.28	0.03

POWERTECH (USA) INC.

Well #676								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.00898	2.416639	-3.3225	-1.04795	1.343525	-3.7	1.76	4
Alkalinity-Total as CaCO3 (mg/L)	224	13.46601	211	224	237	208	240	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	40	1.44453	38.525	40.2	41.275	38.2	41.4	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.01075	0.014496		0.01075		0.0005	0.021	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.275	0.318198		0.275		0.05	0.5	2
Beryllium-Total (mg/L)	0.00175	0.001768		0.00175		0.0005	0.003	2
Bicarbonate as HCO3 (mg/L)	273.25	16.43928	257.5	273	289.25	254	293	4
Boron-Dissolved (mg/L)	0.45	0.057735	0.4	0.45	0.5	0.4	0.5	4
Boron-Total (mg/L)	0.45	0.070711		0.45		0.4	0.5	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	514.5	39.26406	477.25	516	550.25	465	561	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	136.025	195.9916	36.4	39.3	332.375	35.5	430	4
Chloride (mg/L)	14.5	1.290994	13.25	14.5	15.75	13	16	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.0375	0.017678		0.0375		0.025	0.05	2
Conductivity @ 25 C (umhos/cm)	2962.5	113.2475	2865	2945	3077.5	2860	3100	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.0625	0.081317		0.0625		0.005	0.12	2
Fluoride (mg/L)	0.275	0.095743	0.2	0.25	0.375	0.2	0.4	4
Gross Alpha-Dissolved (pCi/L)	54.025	28.87922	33.2	44.35	84.525	31.9	95.5	4
Gross Beta-Dissolved (pCi/L)	16	6.802451	9.675	16.35	21.975	9.2	22.1	4
Gross Gamma-Dissolved (pCi/L)	527.5	604.7245	2.5	505	1075		1100	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	33.285	46.266		33.285		0.57	66	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.03025	0.042073		0.03025		0.0005	0.06	2
Lead 210-Dissolved (pCi/L)	1.05	2.137756	-0.55	0.5	3.2	-0.9	4.1	4
Lead 210-Suspended (pCi/L)	-0.475	4.431986	-4.9	0.5	2.975	-6.7	3.8	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	115	10.36018	106.25	113.5	125.25	104	129	4
Manganese-Dissolved (mg/L)	0.0125	0.00866	0.005	0.0125	0.02	0.005	0.02	4
Manganese-Total (mg/L)	1.275	1.760696		1.275		0.03	2.52	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.0625	0.053033		0.0625		0.025	0.1	2

POWERTECH (USA) INC.

Well #676								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.865	0.157797	0.715	0.88	1	0.7	1	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	253.3333	25.16611	230	250	280	230	280	3
pH	7.24	0.149443	7.14	7.185	7.395	7.13	7.46	4
Polonium 210-Dissolved (pCi/L)	1.425	1.030776	0.65	1.15	2.475	0.5	2.9	4
Polonium 210-Suspended (pCi/L)	0.825	0.93586	0.2	0.5	1.775	0.1	2.2	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	11.875	0.7932	11.075	11.95	12.6	10.9	12.7	4
Radium 226-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	3
Radium 226-Suspended (pCi/L)	3.866667	6.524058	0.1	0.1	11.4	0.1	11.4	3
Radium 226-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	631.3333	158.2477	453	686	755	453	755	3
Selenium-Dissolved (mg/L)	0.013	0.003367	0.00975	0.013	0.01625	0.009	0.017	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0125	0.000707		0.0125		0.012	0.013	2
Selenium-VI-Dissolved (mg/L)	0.011667	0.002517	0.009	0.012	0.014	0.009	0.014	3
Silica-Dissolved (mg/L)	12.2	3.879003	8.225	14	14.375	6.4	14.4	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	88.75	6.219057	82.2	90.5	93.55	80	94	4
Sodium Adsorption Ratio (SAR) (meq/L)	0.936667	0.020817	0.92	0.93	0.96	0.92	0.96	3
Solids-Total Dissolved Calculated (mg/L)	2570	128.3225	2445	2575	2690	2410	2720	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	2750	238.0476	2525	2750	2975	2500	3000	4
Strontium-Total (mg.L)	8.9	0.424264		8.9		8.6	9.2	2
Sulfate (mg/L)	1735	51.96152	1682.5	1740	1782.5	1670	1790	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0725	0.134009	0.9575	1.05	1.21	0.95	1.24	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	1.1	2.067204	0.025	0.1	3.175		4.2	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.054625	0.003842	0.05075	0.05525	0.057875	0.0494	0.0586	4
Uranium-Suspended (mg/L)	0.020263	0.033562	0.000388	0.00535	0.05505	0.00015	0.0702	4
Uranium-Total (mg/L)	0.0639	0.006788		0.0639		0.0591	0.0687	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.01125	0.0125	0.005	0.005	0.02375	0.005	0.03	4
Zinc-Total (mg/L)	0.155	0.176777		0.155		0.03	0.28	2

POWERTECH (USA) INC.

Well #677				
Analyte	**9/28/2007 12:26**	**11/27/2007 15:20**	**2/5/2008 13:39**	**4/29/2008 15:14**
A/C Balance (± 5) (%)	-3.56	-3.76	3.88	2.3
Alkalinity-Total as CaCO3 (mg/L)	532	482	494	480
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	<0.1	<0.1	<0.1
Anions (meq/L)	140	148	136	150
Antimony-Total (mg/L)	0	0	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	<0.001	0.001	0.001
Arsenic-Total (mg/L)	0	0	0.001	0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	0	0	<0.1	<0.1
Beryllium-Total (mg/L)	0	0	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	649	588	602	585
Boron-Dissolved (mg/L)	0.9	0.8	0.8	0.7
Boron-Total (mg/L)	0	0	0.7	0.7
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	0	0	<0.005	<0.005
Calcium-Dissolved (mg/L)	420	454	478	516
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	130	138	147	157
Chloride (mg/L)	1720	1780	1290	1710
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	0	0	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	11000	10800	11600	12100
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	0	0	<0.01	<0.01
Fluoride (mg/L)	<0.1	0.1	<0.1	0.7
Gross Alpha-Dissolved (pCi/L)	41	38.7	129	43.1
Gross Beta-Dissolved (pCi/L)	<2	<2	-2	-30
Gross Gamma-Dissolved (pCi/L)	1100	1000	<20	0
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)	0	0	0.12	0.04
Lead 210-Dissolved (pCi/L)	<1	1.1	2.1	0
Lead 210-Suspended (pCi/L)	<1	<1	<1	-2.3
Lead 210-Total (pCi/L)	<1	0	0	0
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	0	0	<0.001	<0.001
Magnesium-Dissolved (mg/L)	360	395	414	454
Manganese-Dissolved (mg/L)	2.89	2.55	2.59	1.62
Manganese-Total (mg/L)	0	0	2.65	1.71
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	0	0	<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	0	0	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	0.2	<0.1	0.11

POWERTECH (USA) INC.

Well #677				
Analyte	**9/28/2007 12:26**	**11/27/2007 15:20**	**2/5/2008 13:39**	**4/29/2008 15:14**
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.05
Oxidation-Reduction Potential (mV)	0	200	170	210
pH	7.09	7.14	7.13	7.28
Polonium 210-Dissolved (pCi/L)	<1	<1	2.2	0.4
Polonium 210-Suspended (pCi/L)	<1	2.5	<1	-0.2
Polonium 210-Total (pCi/L)	<1	0	0	0
Potassium-Dissolved (mg/L)	13.2	11	11.3	9.8
Radium 226-Dissolved (pCi/L)	0.9	<0.2	<0.2	0
Radium 226-Suspended (pCi/L)	<0.2	2.7	<0.2	0.3
Radium 226-Total (pCi/L)	<0.2	0	0	0
Radon 222-Total (pCi/L)	0	892	808	1250
Selenium-Dissolved (mg/L)	0.003	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	0	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0	0	0.006	<0.001
Selenium-VI-Dissolved (mg/L)	0	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	10.2	10	9.4	4.2
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	0	0	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	0	16	16	17
Sodium-Dissolved (mg/L)	1810	1880	2030	2140
Solids-Total Dissolved Calculated (mg/L)	8510	9070	8830	9550
Solids-Total Dissolved TDS @ 180 C (mg/L)	8900	9700	9600	9100
Strontium-Total (mg.L)	0	0	10	11.6
Sulfate (mg/L)	4390	4590	4310	4410
TDS Balance (0.80 - 1.20) (dec.%)	1.04	1.07	1.09	0.95
Thallium-Total (mg/L)	0	0	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	0
Thorium 230-Suspended (pCi/L)	<0.2	2.2	0.3	0.1
Thorium 230-Total (pCi/L)	<0.2	0	0	0
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0218	0.0443	0.0402	0.045
Uranium-Suspended (mg/L)	0.027	0.0049	<0.0003	<0.0003
Uranium-Total (mg/L)	0	0	0.0414	0.0471
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.02	0.02	<0.01	<0.01
Zinc-Total (mg/L)	0	0	<0.01	0.01

POWERTECH (USA) INC.

Well #677								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-0.285	3.950979	-3.71	-0.63	3.485	-3.76	3.88	4
Alkalinity-Total as CaCO3 (mg/L)	497	24.13849	480.5	488	522.5	480	532	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.0875	0.075	0.05	0.05	0.1625	0.05	0.2	4
Anions (meq/L)	143.5	6.608076	137	144	149.5	136	150	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.001125	0.000629	0.000625	0.001	0.00175	0.0005	0.002	4
Arsenic-Total (mg/L)	0.001			0.001		0.001	0.001	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	606	29.60856	585.75	595	637.25	585	649	4
Boron-Dissolved (mg/L)	0.8	0.08165	0.725	0.8	0.875	0.7	0.9	4
Boron-Total (mg/L)	0.7			0.7		0.7	0.7	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	467	40.41452	428.5	466	506.5	420	516	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	143	11.63329	132	142.5	154.5	130	157	4
Chloride (mg/L)	1625	225.4625	1395	1715	1765	1290	1780	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	11375	590.9033	10850	11300	11975	10800	12100	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.225	0.317543	0.05	0.075	0.55	0.05	0.7	4
Gross Alpha-Dissolved (pCi/L)	62.95	44.06998	39.275	42.05	107.525	38.7	129	4
Gross Beta-Dissolved (pCi/L)	-7.5	15.06652	-23	-0.5	1	-30	1	4
Gross Gamma-Dissolved (pCi/L)	527.5	604.7245	2.5	505	1075		1100	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.08	0.056569		0.08		0.04	0.12	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	0.925	0.903235	0.125	0.8	1.85		2.1	4
Lead 210-Suspended (pCi/L)	-0.2	1.4	-1.6	0.5	0.5	-2.3	0.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	405.75	39.17801	368.75	404.5	444	360	454	4
Manganese-Dissolved (mg/L)	2.4125	0.549689	1.8525	2.57	2.815	1.62	2.89	4
Manganese-Total (mg/L)	2.18	0.66468		2.18		1.71	2.65	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2

POWERTECH (USA) INC.

Well #677								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.1025	0.070887	0.05	0.08	0.1775	0.05	0.2	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	193.3333	20.81666	170	200	210	170	210	3
pH	7.16	0.082865	7.1	7.135	7.245	7.09	7.28	4
Polonium 210-Dissolved (pCi/L)	0.9	0.867948	0.425	0.5	1.775	0.4	2.2	4
Polonium 210-Suspended (pCi/L)	0.825	1.164403	-0.025	0.5	2	-0.2	2.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	11.325	1.408013	10.1	11.15	12.725	9.8	13.2	4
Radium 226-Dissolved (pCi/L)	0.366667	0.46188	0.1	0.1	0.9	0.1	0.9	3
Radium 226-Suspended (pCi/L)	0.8	1.270171	0.1	0.2	2.1	0.1	2.7	4
Radium 226-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	983.3333	234.7282	808	892	1250	808	1250	3
Selenium-Dissolved (mg/L)	0.001125	0.00125	0.0005	0.0005	0.002375	0.0005	0.003	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.00325	0.003889		0.00325		0.0005	0.006	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	8.45	2.853653	5.5	9.7	10.15	4.2	10.2	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	1965	148.4363	1827.5	1955	2112.5	1810	2140	4
Sodium Adsorption Ratio (SAR) (meq/L)	16.33333	0.57735	16	16	17	16	17	3
Solids-Total Dissolved Calculated (mg/L)	8990	438.178	8590	8950	9430	8510	9550	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	9325	386.221	8950	9350	9675	8900	9700	4
Strontium-Total (mg.L)	10.8	1.131371		10.8		10	11.6	2
Sulfate (mg/L)	4425	118.1807	4330	4400	4545	4310	4590	4
TDS Balance (0.80 - 1.20) (dec.%)	1.0375	0.061847	0.9725	1.055	1.085	0.95	1.09	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	0.675	1.021029	0.1	0.2	1.725	0.1	2.2	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.037825	0.010891	0.0264	0.04225	0.044825	0.0218	0.045	4
Uranium-Suspended (mg/L)	0.00805	0.01283	0.00015	0.002525	0.021475	0.00015	0.027	4
Uranium-Total (mg/L)	0.04425	0.004031		0.04425		0.0414	0.0471	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.0125	0.00866	0.005	0.0125	0.02	0.005	0.02	4
Zinc-Total (mg/L)	0.0075	0.003536		0.0075		0.005	0.01	2

POWERTECH (USA) INC.

Well #678					
Analyte	**9/28/2007 16:22**	**11/27/2007 13:40**	**2/5/2008 15:39**	**2/5/2008 15:45**	**4/29/2008 13:41**
A/C Balance (± 5) (%)	-0.532	0.551	<0	<0	1.9
Alkalinity-Total as CaCO3 (mg/L)	490	480	468	472	478
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	78.6	83.1	85.9	87.6	89.1
Antimony-Total (mg/L)			<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	<0.001	0.001	0.001	0.001
Arsenic-Total (mg/L)			0.002	0.001	0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	597	585	570	575	583
Boron-Dissolved (mg/L)	1.3	1.4	1.6	1.6	1.4
Boron-Total (mg/L)			1.6	1.6	1.4
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	397	422	428	412	457
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	77.8	84	85.3	84.6	92.6
Chloride (mg/L)	64	61	96	94	54
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	5710	5780	6020	5990	6300
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01	<0.01
Fluoride (mg/L)	0.6	0.9	<0.1	0.9	1
Gross Alpha-Dissolved (pCi/L)	23.2	18.9	41.5	30.2	54.7
Gross Beta-Dissolved (pCi/L)	8.1	35.3	16	<2	12.8
Gross Gamma-Dissolved (pCi/L)	1100	1100	<20	100	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)			0.04	0.04	<0.03
Lead 210-Dissolved (pCi/L)	<1	4	3.3	<1	-1.2
Lead 210-Suspended (pCi/L)	<1	<1	<1	<1	-1.5
Lead 210-Total (pCi/L)	<1				
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	398	434	434	438	500
Manganese-Dissolved (mg/L)	2.85	3.31	2.39	2.79	2.66
Manganese-Total (mg/L)			2.72	2.61	2.61
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			0.01	0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05	<0.05

POWERTECH (USA) INC.

Well #678					
Analyte	**9/28/2007 16:22**	**11/27/2007 13:40**	**2/5/2008 15:39**	**2/5/2008 15:45**	**4/29/2008 13:41**
Nitrogen, Nitrate as N (mg/L)	0.2	0.2	0.1	0.1	0.09
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.05
Oxidation-Reduction Potential (mV)		210	200	200	260
pH	7.23	7.42	7.34	7.36	7.55
Polonium 210-Dissolved (pCi/L)	<1	<1	2.4	1	1.3
Polonium 210-Suspended (pCi/L)	<1	1.3	<1	<1	
Polonium 210-Total (pCi/L)	<1				
Potassium-Dissolved (mg/L)	18.9	20.1	20.2	20	17.4
Radium 226-Dissolved (pCi/L)	<0.2	<0.2	<0.2	<0.2	
Radium 226-Suspended (pCi/L)	<0.2	0.7	<0.2	<0.2	0.7
Radium 226-Total (pCi/L)	<0.2				
Radon 222-Total (pCi/L)		391	487	418	687
Selenium-Dissolved (mg/L)	0.003	<0.001	0.002	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)			0.005	0.004	0.003
Selenium-VI-Dissolved (mg/L)		<0.001	0.002	<0.001	<0.001
Silica-Dissolved (mg/L)	14.9	15.4	16.3	16.3	7.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		5	5.2	5.1	4.9
Sodium-Dissolved (mg/L)	564	609	634	628	643
Solids-Total Dissolved Calculated (mg/L)	4950	5280	5440	5500	5730
Solids-Total Dissolved TDS @ 180 C (mg/L)	6000	6100	6000	6000	5400
Strontium-Total (mg.L)			10.2	9.7	11
Sulfate (mg/L)	3220	3440	3540	3620	3740
TDS Balance (0.80 - 1.20) (dec.%)	1.21	1.16	1.1	1.1	0.95
Thallium-Total (mg/L)			<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	0.3	<0.2	0.2
Thorium 230-Suspended (pCi/L)	<0.2	<0.2	<0.2	<0.2	0.1
Thorium 230-Total (pCi/L)	<0.2				
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0352	0.0349	0.0368	0.0368	0.0355
Uranium-Suspended (mg/L)	0.0032	0.0008	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)			0.0379	0.0352	0.0387
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	0.2
Zinc-Dissolved (mg/L)	0.01	0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			<0.01	<0.01	<0.01

POWERTECH (USA) INC.

Well #678								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	0.3838	0.930069	-0.266		1.2255	-0.532	1.9	5
Alkalinity-Total as CaCO3 (mg/L)	477.6	8.414274	470	478	485	468	490	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Anions (meq/L)	84.86	4.148855	80.85	85.9	88.35	78.6	89.1	5
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	3
Arsenic-Dissolved (mg/L)	0.0011	0.000548	0.00075	0.001	0.0015	0.0005	0.002	5
Arsenic-Total (mg/L)	0.001333	0.000577	0.001	0.001	0.002	0.001	0.002	3
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Bicarbonate as HCO3 (mg/L)	582	10.34408	572.5	583	591	570	597	5
Boron-Dissolved (mg/L)	1.46	0.134164	1.35	1.4	1.6	1.3	1.6	5
Boron-Total (mg/L)	1.533333	0.11547	1.4	1.6	1.6	1.4	1.6	3
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Calcium-Dissolved (mg/L)	423.2	22.24185	404.5	422	442.5	397	457	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	84.86	5.261939	80.9	84.6	88.95	77.8	92.6	5
Chloride (mg/L)	73.8	19.70279	57.5	64	95	54	96	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Conductivity @ 25 C (umhos/cm)	5960	231.8405	5745	5990	6160	5710	6300	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Fluoride (mg/L)	0.69	0.387943	0.325	0.9	0.95	0.05	1	5
Gross Alpha-Dissolved (pCi/L)	33.7	14.5205	21.05	30.2	48.1	18.9	54.7	5
Gross Beta-Dissolved (pCi/L)	14.64	12.85391	4.55	12.8	25.65	1	35.3	5
Gross Gamma-Dissolved (pCi/L)	462	583.7123	5	100	1100		1100	5
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	5
Iron-Total (mg/L)	0.031667	0.014434	0.015	0.04	0.04	0.015	0.04	3
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Lead 210-Dissolved (pCi/L)	1.42	2.164948	-0.35	0.5	3.65	-1.2	4	5
Lead 210-Suspended (pCi/L)	0.1	0.894427	-0.5	0.5	0.5	-1.5	0.5	5
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	440.8	36.86733	416	434	469	398	500	5
Manganese-Dissolved (mg/L)	2.8	0.335559	2.525	2.79	3.08	2.39	3.31	5
Manganese-Total (mg/L)	2.646667	0.063509	2.61	2.61	2.72	2.61	2.72	3
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.000367	0.000207	0.0001	0.0005	0.0005	0.0001	0.0005	6
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.023333	0.023094	0.01	0.01	0.05	0.01	0.05	3
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3

POWERTECH (USA) INC.

Well #678								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.138	0.056745	0.095	0.1	0.2	0.09	0.2	5
Nitrogen, Nitrite as N (mg/L)	0.045	0.01118	0.0375	0.05	0.05	0.025	0.05	5
Oxidation-Reduction Potential (mV)	217.5	28.72281	200	205	247.5	200	260	4
pH	7.38	0.11726	7.285	7.36	7.485	7.23	7.55	5
Polonium 210-Dissolved (pCi/L)	1.14	0.782943	0.5	1	1.85	0.5	2.4	5
Polonium 210-Suspended (pCi/L)	0.56	0.466905	0.25	0.5	0.9		1.3	5
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	19.32	1.194571	18.15	20	20.15	17.4	20.2	5
Radium 226-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Radium 226-Suspended (pCi/L)	0.34	0.328634	0.1	0.1	0.7	0.1	0.7	5
Radium 226-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	495.75	133.7544	397.75	452.5	637	391	687	4
Selenium-Dissolved (mg/L)	0.0013	0.001151	0.0005	0.0005	0.0025	0.0005	0.003	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.004	0.001	0.003	0.004	0.005	0.003	0.005	3
Selenium-VI-Dissolved (mg/L)	0.000875	0.00075	0.0005	0.0005	0.001625	0.0005	0.002	4
Silica-Dissolved (mg/L)	14.16	3.550775	11.4	15.4	16.3	7.9	16.3	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Sodium-Dissolved (mg/L)	615.6	31.42133	586.5	628	638.5	564	643	5
Sodium Adsorption Ratio (SAR) (meq/L)	5.05	0.129099	4.925	5.05	5.175	4.9	5.2	4
Solids-Total Dissolved Calculated (mg/L)	5380	289.5686	5115	5440	5615	4950	5730	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	5900	282.8427	5700	6000	6050	5400	6100	5
Strontium-Total (mg.L)	10.3	0.655744	9.7	10.2	11	9.7	11	3
Sulfate (mg/L)	3512	196.774	3330	3540	3680	3220	3740	5
TDS Balance (0.80 - 1.20) (dec.%)	1.104	0.097622	1.025	1.1	1.185	0.95	1.21	5
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Thorium 230-Dissolved (pCi/L)	0.16	0.089443	0.1	0.1	0.25	0.1	0.3	5
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.03584	0.000902	0.03505	0.0355	0.0368	0.0349	0.0368	5
Uranium-Suspended (mg/L)	0.00089	0.001322	0.00015	0.00015	0.002	0.00015	0.0032	5
Uranium-Total (mg/L)	0.037267	0.001834	0.0352	0.0379	0.0387	0.0352	0.0387	3
Vanadium-Dissolved (mg/L)	0.08	0.067082	0.05	0.05	0.125	0.05	0.2	5
Zinc-Dissolved (mg/L)	0.007	0.002739	0.005	0.005	0.01	0.005	0.01	5
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3

POWERTECH (USA) INC.

Well #679				
Analyte	**9/28/2007 15:04**	**11/14/2007 13:45**	**2/3/2008 16:25**	**5/18/2008 18:00**
A/C Balance (± 5) (%)	-1.81	-1.35	1.37	6.81
Alkalinity-Total as CaCO3 (mg/L)	140	136	144	158
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	32.7	34.4	33	33.6
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)			0.007	0.011
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			0.2	0.3
Beryllium-Total (mg/L)			<0.001	0.002
Bicarbonate as HCO3 (mg/L)	171	166	176	193
Boron-Dissolved (mg/L)	0.4	0.4	0.4	0.4
Boron-Total (mg/L)			<0.1	0.4
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.001	<0.001
Calcium-Dissolved (mg/L)	414	447	440	515
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	31.5	33.5	33.9	38.5
Chloride (mg/L)	12	12	13	11
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2520	2470	1970	2880
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			0.02	0.03
Fluoride (mg/L)	0.3	0.2	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	19.9	13.3	18.4	22.4
Gross Beta-Dissolved (pCi/L)	10.7	16.3	7.2	10.8
Gross Gamma-Dissolved (pCi/L)	1200	1500	86	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)			14.9	26.4
Lead 210-Dissolved (pCi/L)	<1	9.1	<1	4.5
Lead 210-Suspended (pCi/L)	<1	<1	<1	-9.8
Lead 210-Total (pCi/L)	<1			
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)			0.015	0.022
Magnesium-Dissolved (mg/L)	89	92.5	100	109
Manganese-Dissolved (mg/L)	0.14	0.04	0.03	0.04
Manganese-Total (mg/L)			0.35	0.57
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.0002	<0.001		<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)			0.01	0.02
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)			<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	1.2	1.3	1.3	1.1

POWERTECH (USA) INC.

Well #679				
Analyte	**9/28/2007 15:04**	**11/14/2007 13:45**	**2/3/2008 16:25**	**5/18/2008 18:00**
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		230	200	240
pH	7.53	7.34	7.66	7.83
Polonium 210-Dissolved (pCi/L)	1.1	2.3	<1	-0.1
Polonium 210-Suspended (pCi/L)	<1	<1	<1	-0.3
Polonium 210-Total (pCi/L)	<1			
Potassium-Dissolved (mg/L)	12.5	11.4	11.8	11.1
Radium 226-Dissolved (pCi/L)	<0.2	<0.2	0.9	3.7
Radium 226-Suspended (pCi/L)	2.5		9	0.2
Radium 226-Total (pCi/L)	2.5			
Radon 222-Total (pCi/L)		819	2170	1250
Selenium-Dissolved (mg/L)	0.016	0.012	0.013	0.01
Selenium-IV-Dissolved (mg/L)		<0.001	<0.001	<0.001
Selenium-Total (mg/L)			0.014	0.013
Selenium-VI-Dissolved (mg/L)		0.012	0.012	0.01
Silica-Dissolved (mg/L)	10.4	12.6	12.7	6
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)			<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)		0.84	0.87	0.86
Sodium-Dissolved (mg/L)	73	74.9	77.6	82
Solids-Total Dissolved Calculated (mg/L)	2110	2230	2160	2290
Solids-Total Dissolved TDS @ 180 C (mg/L)	2500	2600	2500	2500
Strontium-Total (mg.L)			7.3	7.8
Sulfate (mg/L)	1580	1500	1420	1440
TDS Balance (0.80 - 1.20) (dec.%)	1.19	1.15	1.18	1.09
Thallium-Total (mg/L)			<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	<0.2	<0.2	
Thorium 230-Suspended (pCi/L)	1.9	0.3	0.4	1.4
Thorium 230-Total (pCi/L)	1.9			
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0157	0.0144	0.0139	0.0112
Uranium-Suspended (mg/L)	0.011	0.0008	0.0007	0.0012
Uranium-Total (mg/L)			0.0154	0.0164
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)			0.06	0.09

POWERTECH (USA) INC.

Well #679								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	1.255	3.960282	-1.695	0.01	5.45	-1.81	6.81	4
Alkalinity-Total as CaCO3 (mg/L)	144.5	9.574271	137	142	154.5	136	158	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	33.425	0.75	32.775	33.3	34.2	32.7	34.4	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Arsenic-Total (mg/L)	0.009	0.002828		0.009		0.007	0.011	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.25	0.070711		0.25		0.2	0.3	2
Beryllium-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Bicarbonate as HCO3 (mg/L)	176.5	11.73314	167.25	173.5	188.75	166	193	4
Boron-Dissolved (mg/L)	0.4		0.4	0.4	0.4	0.4	0.4	4
Boron-Total (mg/L)	0.225	0.247487		0.225		0.05	0.4	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Calcium-Dissolved (mg/L)	454	43.07358	420.5	443.5	498	414	515	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	34.35	2.959167	32	33.7	37.35	31.5	38.5	4
Chloride (mg/L)	12	0.816497	11.25	12	12.75	11	13	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	2460	374.2548	2095	2495	2790	1970	2880	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.025	0.007071		0.025		0.02	0.03	2
Fluoride (mg/L)	0.325	0.095743	0.225	0.35	0.4	0.2	0.4	4
Gross Alpha-Dissolved (pCi/L)	18.5	3.839271	14.575	19.15	21.775	13.3	22.4	4
Gross Beta-Dissolved (pCi/L)	11.25	3.759876	8.075	10.75	14.925	7.2	16.3	4
Gross Gamma-Dissolved (pCi/L)	696.5	765.2771	21.5	643	1425		1500	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	20.65	8.131728		20.65		14.9	26.4	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0185	0.00495		0.0185		0.015	0.022	2
Lead 210-Dissolved (pCi/L)	3.65	4.093491	0.5	2.5	7.95	0.5	9.1	4
Lead 210-Suspended (pCi/L)	-2.075	5.15	-7.225	0.5	0.5	-9.8	0.5	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	97.625	8.863549	89.875	96.25	106.75	89	109	4
Manganese-Dissolved (mg/L)	0.0625	0.051881	0.0325	0.04	0.115	0.03	0.14	4
Manganese-Total (mg/L)	0.46	0.155563		0.46		0.35	0.57	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000217	0.000247	0.00005	0.0001	0.0005	0.00005	0.0005	3
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.015	0.007071		0.015		0.01	0.02	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2

POWERTECH (USA) INC.

Well #679								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	1.225	0.095743	1.125	1.25	1.3	1.1	1.3	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	223.3333	20.81666	200	230	240	200	240	3
pH	7.59	0.207043	7.3875	7.595	7.7875	7.34	7.83	4
Polonium 210-Dissolved (pCi/L)	0.95	1.024695	0.05	0.8	2	-0.1	2.3	4
Polonium 210-Suspended (pCi/L)	0.3	0.4	-0.1	0.5	0.5	-0.3	0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	11.7	0.60553	11.175	11.6	12.325	11.1	12.5	4
Radium 226-Dissolved (pCi/L)	1.2	1.708801	0.1	0.5	3	0.1	3.7	4
Radium 226-Suspended (pCi/L)	3.9	4.563989	0.2	2.5	9	0.2	9	3
Radium 226-Total (pCi/L)	2.5			2.5		2.5	2.5	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1413	690.092	819	1250	2170	819	2170	3
Selenium-Dissolved (mg/L)	0.01275	0.0025	0.0105	0.0125	0.01525	0.01	0.016	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0135	0.000707		0.0135		0.013	0.014	2
Selenium-VI-Dissolved (mg/L)	0.011333	0.001155	0.01	0.012	0.012	0.01	0.012	3
Silica-Dissolved (mg/L)	10.425	3.13515	7.1	11.5	12.675	6	12.7	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	76.875	3.903311	73.475	76.25	80.9	73	82	4
Sodium Adsorption Ratio (SAR) (meq/L)	0.856667	0.015275	0.84	0.86	0.87	0.84	0.87	3
Solids-Total Dissolved Calculated (mg/L)	2197.5	78.89867	2122.5	2195	2275	2110	2290	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	2525	50	2500	2500	2575	2500	2600	4
Strontium-Total (mg.L)	7.55	0.353553		7.55		7.3	7.8	2
Sulfate (mg/L)	1485	71.87953	1425	1470	1560	1420	1580	4
TDS Balance (0.80 - 1.20) (dec.%)	1.1525	0.045	1.105	1.165	1.1875	1.09	1.19	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	1	0.778888	0.325	0.9	1.775	0.3	1.9	4
Thorium 230-Total (pCi/L)	1.9			1.9		1.9	1.9	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.0138	0.001892	0.011875	0.01415	0.015375	0.0112	0.0157	4
Uranium-Suspended (mg/L)	0.003425	0.005055	0.000725	0.001	0.00855	0.0007	0.011	4
Uranium-Total (mg/L)	0.0159	0.000707		0.0159		0.0154	0.0164	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.075	0.021213		0.075		0.06	0.09	2

POWERTECH (USA) INC.

Well #680						
Analyte	**1/30/2008 13:50**	**3/31/2008 15:15**	**4/21/2008 21:21**	**5/13/2008 16:06**	**5/21/2008 12:50**	**6/10/2008 10:50**
A/C Balance (± 5) (%)		0.26	0.77	10.2	5.04	6.54
Alkalinity-Total as CaCO3 (mg/L)	258	264	262	262	254	188
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	35.2	32.4	33.9	30.6	33.9	33.4
Antimony-Total (mg/L)		<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.026	0.008	0.007	0.004	0.004	0.002
Arsenic-Total (mg/L)		0.009	0.006	0.005	0.004	0.005
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)		<0.001	<0.001	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	315	322	319	319	310	229
Boron-Dissolved (mg/L)	0.1	0.1	0.1	0.2	0.2	0.2
Boron-Total (mg/L)		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
Cadmium-Total (mg/L)		<0.005	<0.005	<0.001	<0.005	<0.005
Calcium-Dissolved (mg/L)	343	353	368	421	406	415
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5	<5
Cations (meq/L)	33.5	32.5	34.5	37.6	37.5	38.1
Chloride (mg/L)	15	15	11	12	12	12
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)		<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2630	2560	2510	2580	2860	3060
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)		<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.3	0.3	0.5	0.3
Gross Alpha-Dissolved (pCi/L)	4090	6440	4270	6500	4500	4370
Gross Beta-Dissolved (pCi/L)	1330	2320	1390	2250	1530	1320
Gross Gamma-Dissolved (pCi/L)	4700	150	1000	940	21000	5700
Iron-Dissolved (mg/L)	0.43	0.27	0.25	0.19	0.21	0.06
Iron-Total (mg/L)		0.3	0.29	0.34	0.35	0.28
Lead 210-Dissolved (pCi/L)	17		32	37.7	61.8	15.7
Lead 210-Suspended (pCi/L)	<1	-2	-1	20.3	6.8	12
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	113	111	123	129	133	134
Manganese-Dissolved (mg/L)	0.43	0.4	0.42	0.47	0.48	0.49
Manganese-Total (mg/L)		0.43	0.44	0.5	0.52	0.48
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)		<0.1	<0.1	<0.01	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)		<0.05	<0.05	<0.05	<0.05	<0.05

POWERTECH (USA) INC.

Well #680						
Analyte	**1/30/2008 13:50**	**3/31/2008 15:15**	**4/21/2008 21:21**	**5/13/2008 16:06**	**5/21/2008 12:50**	**6/10/2008 10:50**
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.05	0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		180	280	270	160	130
pH	7.26	7.31	7.56	7.14	7.08	7.32
Polonium 210-Dissolved (pCi/L)	1.7	1.5	0.5	2	1.5	0.4
Polonium 210-Suspended (pCi/L)	<1	0.5	0.3	9.1	1.1	1.3
Potassium-Dissolved (mg/L)	20.7	19.1	19.2	19.5	19.5	19.3
Radium 226-Dissolved (pCi/L)	1180	1150	1230	1430	1240	1410
Radium 226-Suspended (pCi/L)	12.7	1.9	1.6	13.2	1	4.4
Radon 222-Total (pCi/L)	143000	71800	81000	151000	359000	91700
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.005	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)		<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
Silica-Dissolved (mg/L)	8.9	8.2	8.3	3.8	4.1	4.4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)		<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	1.8	1.4	1.4	1.4	1.5	1.5
Sodium-Dissolved (mg/L)	148	120	125	126	132	134
Solids-Total Dissolved Calculated (mg/L)	2210	2080	2190	2080	2240	2250
Solids-Total Dissolved TDS @ 180 C (mg/L)	2400	2200	2300	2300	2300	2500
Strontium-Total (mg.L)		7.3	7.3	8.1	8.2	8.1
Sulfate (mg/L)	1420	1280	1360	1200	1370	1410
TDS Balance (0.80 - 1.20) (dec.%)	1.09	1.05	1.04	1.11	1.04	1.1
Thallium-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	0.2	0.3	0.1	0.1	
Thorium 230-Suspended (pCi/L)	0.3	0.2	0.3	0.4		0.1
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.172	0.0569	0.0303	0.0213	0.026	0.0227
Uranium-Suspended (mg/L)	0.0008	<0.0003	<0.0003	0.0004	<0.0003	<0.0003
Uranium-Total (mg/L)		0.0541	0.0291	0.0238	0.0273	0.0244
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	0.02	<0.01	0.01	<0.01	0.01
Zinc-Total (mg/L)		0.02	0.02	0.02	0.01	0.01

POWERTECH (USA) INC.

Well #680								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	3.801667	4.151089	0.195	2.905	7.455		10.2	6
Alkalinity-Total as CaCO3 (mg/L)	248	29.61081	237.5	260	262.5	188	264	6
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Ammonia (mg/L)	0.075	0.061237	0.05	0.05	0.0875	0.05	0.2	6
Anions (meq/L)	33.23333	1.575648	31.95	33.65	34.225	30.6	35.2	6
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	5
Arsenic-Dissolved (mg/L)	0.0085	0.008849	0.0035	0.0055	0.0125	0.002	0.026	6
Arsenic-Total (mg/L)	0.0058	0.001924	0.0045	0.005	0.0075	0.004	0.009	5
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Beryllium-Total (mg/L)	0.0007	0.000447	0.0005	0.0005	0.001	0.0005	0.0015	5
Bicarbonate as HCO3 (mg/L)	302.3333	36.16444	289.75	317	319.75	229	322	6
Boron-Dissolved (mg/L)	0.15	0.054772	0.1	0.15	0.2	0.1	0.2	6
Boron-Total (mg/L)	0.1		0.1	0.1	0.1	0.1	0.1	5
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Cadmium-Total (mg/L)	0.0021	0.000894	0.0015	0.0025	0.0025	0.0005	0.0025	5
Calcium-Dissolved (mg/L)	384.3333	33.79744	350.5	387	416.5	343	421	6
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	6
Cation/Anion Balance (%)								
Cations (meq/L)	35.61667	2.411984	33.25	36	37.725	32.5	38.1	6
Chloride (mg/L)	12.83333	1.722401	11.75	12	15	11	15	6
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Conductivity @ 25 C (umhos/cm)	2700	214.5693	2547.5	2605	2910	2510	3060	6
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	6
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Fluoride (mg/L)	0.333333	0.08165	0.3	0.3	0.35	0.3	0.5	6
Gross Alpha-Dissolved (pCi/L)	5028.333	1124.872	4225	4435	6455	4090	6500	6
Gross Beta-Dissolved (pCi/L)	1690	467.4612	1327.5	1460	2267.5	1320	2320	6
Gross Gamma-Dissolved (pCi/L)	5581.667	7881.067	742.5	2850	9525	150	21000	6
Iron-Dissolved (mg/L)	0.235	0.120623	0.1575	0.23	0.31	0.06	0.43	6
Iron-Total (mg/L)	0.312	0.031145	0.285	0.3	0.345	0.28	0.35	5
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead 210-Dissolved (pCi/L)	27.36667	21.47749	11.775	24.5	43.725		61.8	6
Lead 210-Suspended (pCi/L)	6.1	8.767212	-1.25	3.65	14.075	-2	20.3	6
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	123.8333	9.968283	112.5	126	133.25	111	134	6
Manganese-Dissolved (mg/L)	0.448333	0.03656	0.415	0.45	0.4825	0.4	0.49	6
Manganese-Total (mg/L)	0.474	0.038471	0.435	0.48	0.51	0.43	0.52	5
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Mercury-Total (mg/L)	0.000275	0.000241	0.00005	0.000275	0.0005	0.00005	0.0005	8
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Molybdenum-Total (mg/L)	0.041	0.020125	0.0275	0.05	0.05	0.005	0.05	5
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5

POWERTECH (USA) INC.

Well #680								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.054167	0.02458	0.04375	0.05	0.0625	0.025	0.1	6
Nitrogen, Nitrite as N (mg/L)	0.045833	0.010206	0.04375	0.05	0.05	0.025	0.05	6
Oxidation-Reduction Potential (mV)	170	102.7619	97.5	170	272.5		280	6
pH	7.278333	0.167859	7.125	7.285	7.38	7.08	7.56	6
Polonium 210-Dissolved (pCi/L)	1.266667	0.659293	0.475	1.5	1.775	0.4	2	6
Polonium 210-Suspended (pCi/L)	2.133333	3.434919	0.45	0.8	3.25	0.3	9.1	6
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	19.55	0.585662	19.175	19.4	19.8	19.1	20.7	6
Radium 226-Dissolved (pCi/L)	1273.333	118.4342	1172.5	1235	1415	1150	1430	6
Radium 226-Suspended (pCi/L)	5.8	5.660742	1.45	3.15	12.825	1	13.2	6
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	149583.3	107708	78700	117350	203000	71800	359000	6
Selenium-Dissolved (mg/L)	0.001167	0.001033	0.0005	0.0005	0.0025	0.0005	0.0025	6
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Selenium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Silica-Dissolved (mg/L)	6.283333	2.411155	4.025	6.3	8.45	3.8	8.9	6
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Sodium-Dissolved (mg/L)	130.8333	9.80646	123.75	129	137.5	120	148	6
Sodium Adsorption Ratio (SAR) (meq/L)	1.5	0.154919	1.4	1.45	1.575	1.4	1.8	6
Solids-Total Dissolved Calculated (mg/L)	2175	76.61593	2080	2200	2242.5	2080	2250	6
Solids-Total Dissolved TDS @ 180 C (mg/L)	2333.333	103.2796	2275	2300	2425	2200	2500	6
Strontium-Total (mg.L)	7.8	0.458258	7.3	8.1	8.15	7.3	8.2	5
Sulfate (mg/L)	1340	84.61678	1260	1365	1412.5	1200	1420	6
TDS Balance (0.80 - 1.20) (dec.%)	1.071667	0.031885	1.04	1.07	1.1025	1.04	1.11	6
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Thorium 230-Dissolved (pCi/L)	0.133333	0.10328	0.075	0.1	0.225		0.3	6
Thorium 230-Suspended (pCi/L)	0.216667	0.147196	0.075	0.25	0.325		0.4	6
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Uranium-Dissolved (mg/L)	0.054867	0.05886	0.02235	0.02815	0.085675	0.0213	0.172	6
Uranium-Suspended (mg/L)	0.0003	0.000265	0.00015	0.00015	0.0005	0.00015	0.0008	6
Uranium-Total (mg/L)	0.03174	0.012684	0.0241	0.0273	0.0416	0.0238	0.0541	5
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Zinc-Dissolved (mg/L)	0.009167	0.005845	0.005	0.0075	0.0125	0.005	0.02	6
Zinc-Total (mg/L)	0.016	0.005477	0.01	0.02	0.02	0.01	0.02	5

POWERTECH (USA) INC.

Well #681						
Analyte	**1/30/2008 13:50**	**3/31/2008 15:15**	**4/21/2008 21:21**	**5/13/2008 16:06**	**5/21/2008 12:50**	**6/10/2008 10:50**
A/C Balance (± 5) (%)		-0.5	2.67	5.47	5.53	4.51
Alkalinity-Total as CaCO3 (mg/L)	174	172	172	174	180	170
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	14.2	13.9	13.5	13.3	13.8	13.2
Antimony-Total (mg/L)		<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.003	0.002	0.002	0.002	0.002	0.002
Arsenic-Total (mg/L)		0.005	0.002	0.003	0.004	0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)		<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	212	210	210	212	219	207
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Boron-Total (mg/L)		<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
Cadmium-Total (mg/L)		<0.005	<0.005	<0.001	<0.001	<0.005
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
Cations (meq/L)	13.5	13.8	14.3	14.8	15.4	14.5
Chloride (mg/L)	13	17	13	15	16	15
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)		<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1320	1320	1330	1390	1500	1390
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)		<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.4	0.4	0.4	0.6	0.5	0.4
Gross Alpha-Dissolved (pCi/L)	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
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)		<0.03	<0.03	0.04	0.05	0.04
Lead 210-Dissolved (pCi/L)	46		49.9	40.5	38.2	42.2
Lead 210-Suspended (pCi/L)	1.7	16.8	16.7	20.8	20.2	6.2
Lead-Dissolved (mg/L)	0.004	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	0.013
Magnesium-Dissolved (mg/L)	22.3	23.9	25	25.1	25.5	24
Manganese-Dissolved (mg/L)	0.09	0.08	0.09	0.1	0.1	0.08
Manganese-Total (mg/L)		0.08	0.09	0.1	0.09	0.08
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)		<0.1	<0.1	<0.01	<0.01	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)		<0.05	<0.05	<0.05	<0.05	<0.05

POWERTECH (USA) INC.

Well #681						
Analyte	**1/30/2008 13:50**	**3/31/2008 15:15**	**4/21/2008 21:21**	**5/13/2008 16:06**	**5/21/2008 12:50**	**6/10/2008 10:50**
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)		170	280	240	220	140
pH	7.98	7.8	8.02	7.91	8.15	7.99
Polonium 210-Dissolved (pCi/L)	2.6	0.6	3.5	1.6	1.2	0.7
Polonium 210-Suspended (pCi/L)	1.6	1.2		2.4	3.2	1.4
Potassium-Dissolved (mg/L)	10.3	9.2	10	9.6	9.6	9.7
Radium 226-Dissolved (pCi/L)	421	414	377	407	423	434
Radium 226-Suspended (pCi/L)	9.9	3.5	0.2	1.8	1.6	0.7
Radon 222-Total (pCi/L)	462000	254000	253000	246	462000	389000
Selenium-Dissolved (mg/L)	<0.005	<0.001	<0.001	<0.005	<0.005	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	8.1	7.2	7.2	4	4.3	3.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)		<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	5.4	5.4	5.5	5.6	5.8	5.7
Sodium-Dissolved (mg/L)	192	197	204	212	221	210
Solids-Total Dissolved Calculated (mg/L)	901	908	903	891	926	883
Solids-Total Dissolved TDS @ 180 C (mg/L)	930	910	940	900	890	880
Strontium-Total (mg.L)		1.2	1.2	1.3	1.3	1.1
Sulfate (mg/L)	498	478	466	449	465	449
TDS Balance (0.80 - 1.20) (dec.%)	1.03	1.01	1.04	1.01	0.97	0.99
Thallium-Total (mg/L)		<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	<0.2	0.3			0.1	
Thorium 230-Suspended (pCi/L)	<0.2	0.2	0.2	0.7	0.1	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0117	0.0092	0.0098	0.0095	0.0096	0.0097
Uranium-Suspended (mg/L)	0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)		0.0099	0.0102	0.0104	0.0108	0.0102
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Zinc-Total (mg/L)		<0.01	<0.01	<0.01	0.01	<0.01

POWERTECH (USA) INC.

Well #681								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	2.946667	2.687889	-0.125	3.59	5.485	-0.5	5.53	6
Alkalinity-Total as CaCO3 (mg/L)	173.6667	3.444803	171.5	173	175.5	170	180	6
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Anions (meq/L)	13.65	0.383406	13.275	13.65	13.975	13.2	14.2	6
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	5
Arsenic-Dissolved (mg/L)	0.002167	0.000408	0.002	0.002	0.00225	0.002	0.003	6
Arsenic-Total (mg/L)	0.003	0.001581	0.0015	0.003	0.0045	0.001	0.005	5
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Bicarbonate as HCO3 (mg/L)	211.6667	4.033196	209.25	211	213.75	207	219	6
Boron-Dissolved (mg/L)	0.058333	0.020412	0.05	0.05	0.0625	0.05	0.1	6
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Cadmium-Total (mg/L)	0.0017	0.001095	0.0005	0.0025	0.0025	0.0005	0.0025	5
Calcium-Dissolved (mg/L)	63.06667	3.279431	60.2	62.15	66.225	59.9	68.4	6
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	6
Cation/Anion Balance (%)								
Cations (meq/L)	14.38333	0.685322	13.725	14.4	14.95	13.5	15.4	6
Chloride (mg/L)	14.83333	1.602082	13	15	16.25	13	17	6
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Conductivity @ 25 C (umhos/cm)	1375	69.4982	1320	1360	1417.5	1320	1500	6
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	6
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Fluoride (mg/L)	0.45	0.083666	0.4	0.4	0.525	0.4	0.6	6
Gross Alpha-Dissolved (pCi/L)	1509.333	596.5925	1079	1395	2182.5	656	2220	6
Gross Beta-Dissolved (pCi/L)	443	186.172	284.5	397	663	226	675	6
Gross Gamma-Dissolved (pCi/L)	4300	4870.281	270	2850	8200	210	13000	6
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	6
Iron-Total (mg/L)	0.032	0.016047	0.015	0.04	0.045	0.015	0.05	5
Lead-Dissolved (mg/L)	0.001083	0.001429	0.0005	0.0005	0.001375	0.0005	0.004	6
Lead-Total (mg/L)	0.003	0.00559	0.0005	0.0005	0.00675	0.0005	0.013	5
Lead 210-Dissolved (pCi/L)	36.13333	18.18039	28.65	41.35	46.975		49.9	6
Lead 210-Suspended (pCi/L)	13.73333	7.893204	5.075	16.75	20.35	1.7	20.8	6
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	24.3	1.167904	23.5	24.5	25.2	22.3	25.5	6
Manganese-Dissolved (mg/L)	0.09	0.008944	0.08	0.09	0.1	0.08	0.1	6
Manganese-Total (mg/L)	0.088	0.008367	0.08	0.09	0.095	0.08	0.1	5
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Mercury-Total (mg/L)	0.000957	0.001796	0.00005	0.0005	0.0005	0.00005	0.005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Molybdenum-Total (mg/L)	0.032	0.024648	0.005	0.05	0.05	0.005	0.05	5
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5

POWERTECH (USA) INC.

Well #681								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.045833	0.010206	0.04375	0.05	0.05	0.025	0.05	6
Nitrogen, Nitrite as N (mg/L)	0.045833	0.010206	0.04375	0.05	0.05	0.025	0.05	6
Oxidation-Reduction Potential (mV)	175	99.14636	105	195	250		280	6
pH	7.975	0.116404	7.8825	7.985	8.0525	7.8	8.15	6
Polonium 210-Dissolved (pCi/L)	1.7	1.141928	0.675	1.4	2.825	0.6	3.5	6
Polonium 210-Suspended (pCi/L)	1.633333	1.091177	0.9	1.5	2.6		3.2	6
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	9.733333	0.377712	9.5	9.65	10.075	9.2	10.3	6
Radium 226-Dissolved (pCi/L)	412.6667	19.68417	399.5	417.5	425.75	377	434	6
Radium 226-Suspended (pCi/L)	2.95	3.588175	0.575	1.7	5.1	0.2	9.9	6
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	303374.3	175794.3	189811.5	321500	462000	246	462000	6
Selenium-Dissolved (mg/L)	0.0015	0.001095	0.0005	0.0015	0.0025	0.0005	0.0025	6
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Selenium-Total (mg/L)	0.0008	0.000671	0.0005	0.0005	0.00125	0.0005	0.002	5
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Silica-Dissolved (mg/L)	5.783333	1.913548	3.975	5.75	7.425	3.9	8.1	6
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Sodium-Dissolved (mg/L)	206	10.56409	195.75	207	214.25	192	221	6
Sodium Adsorption Ratio (SAR) (meq/L)	5.566667	0.163299	5.4	5.55	5.725	5.4	5.8	6
Solids-Total Dissolved Calculated (mg/L)	902	14.8054	889	902	912.5	883	926	6
Solids-Total Dissolved TDS @ 180 C (mg/L)	908.3333	23.16607	887.5	905	932.5	880	940	6
Strontium-Total (mg.L)	1.22	0.083666	1.15	1.2	1.3	1.1	1.3	5
Sulfate (mg/L)	467.5	18.61988	449	465.5	483	449	498	6
TDS Balance (0.80 - 1.20) (dec.%)	1.008333	0.025626	0.985	1.01	1.0325	0.97	1.04	6
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Thorium 230-Dissolved (pCi/L)	0.083333	0.116905		0.05	0.15		0.3	6
Thorium 230-Suspended (pCi/L)	0.216667	0.248328	0.075	0.15	0.325		0.7	6
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Uranium-Dissolved (mg/L)	0.009917	0.000898	0.009425	0.00965	0.010275	0.0092	0.0117	6
Uranium-Suspended (mg/L)	0.000292	0.000347	0.00015	0.00015	0.000363	0.00015	0.001	6
Uranium-Total (mg/L)	0.0103	0.000332	0.01005	0.0102	0.0106	0.0099	0.0108	5
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Zinc-Dissolved (mg/L)	0.005833	0.002041	0.005	0.005	0.00625	0.005	0.01	6
Zinc-Total (mg/L)	0.006	0.002236	0.005	0.005	0.0075	0.005	0.01	5

POWERTECH (USA) INC.

Well #688				
Analyte	**4/2/2008 18:07**	**4/22/2008 13:26**	**6/10/2008 16:37**	**6/30/2008 18:39**
A/C Balance (± 5) (%)	-0.06	12.1	5.73	3.05
Alkalinity-Total as CaCO3 (mg/L)	98	90	100	136
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.5	0.1	0.1	0.2
Anions (meq/L)	11.3	10.2	10.6	11.5
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	0.002	0.001	0.002
Arsenic-Total (mg/L)	0.002	0.002	<0.002	0.003
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	12	76	107	156
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	25.8	50.1	34.1	40.4
Carbonate as CO3 (mg/L)	53	17	7	<5
Cations (meq/L)	11.3	13.1	11.9	12.3
Chloride (mg/L)	13	10	11	11
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1180	1070	1260	1140
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.4	0.5	0.5	0.6
Gross Alpha-Dissolved (pCi/L)	2.9	10.1	17.3	13.2
Gross Beta-Dissolved (pCi/L)	8.8	16.9	17.1	16.5
Gross Gamma-Dissolved (pCi/L)				1000
Iron-Dissolved (mg/L)	<0.03	<0.03	0.04	<0.03
Iron-Total (mg/L)	0.07	0.05	0.15	0.08
Lead 210-Dissolved (pCi/L)		-2.7	-0.5	-0.1
Lead 210-Suspended (pCi/L)	-0.4	-0.1	4.8	-2.3
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.003
Magnesium-Dissolved (mg/L)	13.6	20.5	16.6	19.2
Manganese-Dissolved (mg/L)	<0.01	0.06	0.02	0.02
Manganese-Total (mg/L)	0.03	0.01	0.01	0.02
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.0001	<0.0002
	<0.001	<0.001		
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.05	<0.1	<0.1

POWERTECH (USA) INC.

Well #688				
Analyte	**4/2/2008 18:07**	**4/22/2008 13:26**	**6/10/2008 16:37**	**6/30/2008 18:39**
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	110	280	180	220
pH	10.3	9.15	8.82	8.6
Polonium 210-Dissolved (pCi/L)	1	1.9		
Polonium 210-Suspended (pCi/L)	1	0.4	0.2	0.3
Potassium-Dissolved (mg/L)	16.8	12.2	12.5	12.9
Radium 226-Dissolved (pCi/L)	0.3	1.2	2.5	0.6
Radium 226-Suspended (pCi/L)	0.9	0.02	-0.3	-0.3
Radon 222-Total (pCi/L)	608	307	749	426
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	0.003
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.9	3.7	3.7	3.8
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	7.6	5.9	6.9	6.2
Sodium-Dissolved (mg/L)	193	197	195	191
Solids-Total Dissolved Calculated (mg/L)	771	744	738	774
Solids-Total Dissolved TDS @ 180 C (mg/L)	690	690	740	770
Strontium-Total (mg.L)	1.2	1.2	1.1	1.1
Sulfate (mg/L)	428	390	398	407
TDS Balance (0.80 - 1.20) (dec.%)	0.89	0.92	1.01	0.99
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)				
Thorium 230-Suspended (pCi/L)	0.7	15.9	0.1	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	<0.0008	0.0147	<0.0003	<0.0003
Uranium-Total (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01	<0.01

POWERTECH (USA) INC.

Well #688								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	5.205	5.169813	0.7175	4.39	10.5075	-0.06	12.1	4
Alkalinity-Total as CaCO3 (mg/L)	106	20.46135	92	99	127	90	136	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.225	0.189297	0.1	0.15	0.425	0.1	0.5	4
Anions (meq/L)	10.9	0.60553	10.3	10.95	11.45	10.2	11.5	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.0015	0.000577	0.001	0.0015	0.002	0.001	0.002	4
Arsenic-Total (mg/L)	0.002	0.000816	0.00125	0.002	0.00275	0.001	0.003	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Bicarbonate as HCO3 (mg/L)	87.75	60.29027	28	91.5	143.75	12	156	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	37.6	10.25638	27.875	37.25	47.675	25.8	50.1	4
Carbonate as CO3 (mg/L)	19.875	22.89969	3.625	12	44	2.5	53	4
Cation/Anion Balance (%)								
Cations (meq/L)	12.15	0.754983	11.45	12.1	12.9	11.3	13.1	4
Chloride (mg/L)	11.25	1.258306	10.25	11	12.5	10	13	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	1162.5	79.32003	1087.5	1160	1240	1070	1260	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.5	0.08165	0.425	0.5	0.575	0.4	0.6	4
Gross Alpha-Dissolved (pCi/L)	10.875	6.079679	4.7	11.65	16.275	2.9	17.3	4
Gross Beta-Dissolved (pCi/L)	14.825	4.024405	10.725	16.7	17.05	8.8	17.1	4
Gross Gamma-Dissolved (pCi/L)	250	500			750		1000	4
Iron-Dissolved (mg/L)	0.02125	0.0125	0.015	0.015	0.03375	0.015	0.04	4
Iron-Total (mg/L)	0.0875	0.043493	0.055	0.075	0.1325	0.05	0.15	4
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.00075	0.0005	0.0005	0.0005	0.00125	0.0005	0.0015	4
Lead 210-Dissolved (pCi/L)	-0.825	1.268529	-2.15	-0.3	-0.025	-2.7		4
Lead 210-Suspended (pCi/L)	0.5	3.02765	-1.825	-0.25	3.575	-2.3	4.8	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	17.475	3.05	14.35	17.9	20.175	13.6	20.5	4
Manganese-Dissolved (mg/L)	0.02625	0.023585	0.00875	0.02	0.05	0.005	0.06	4
Manganese-Total (mg/L)	0.0175	0.009574	0.01	0.015	0.0275	0.01	0.03	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000358	0.00022	8.75E-05	0.0005	0.0005	0.00005	0.0005	6
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4

POWERTECH (USA) INC.

Well #688								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	197.5	71.35592	127.5	200	265	110	280	4
pH	9.2175	0.756235	8.655	8.985	10.0125	8.6	10.3	4
Polonium 210-Dissolved (pCi/L)	0.725	0.914239		0.5	1.675		1.9	4
Polonium 210-Suspended (pCi/L)	0.475	0.359398	0.225	0.35	0.85	0.2	1	4
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	13.6	2.152518	12.275	12.7	15.825	12.2	16.8	4
Radium 226-Dissolved (pCi/L)	1.15	0.974679	0.375	0.9	2.175	0.3	2.5	4
Radium 226-Suspended (pCi/L)	0.08	0.567098	-0.3	-0.14	0.68	-0.3	0.9	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	522.5	195.2477	336.75	517	713.75	307	749	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.001125	0.00125	0.0005	0.0005	0.002375	0.0005	0.003	4
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	4.775	2.083867	3.7	3.75	6.875	3.7	7.9	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	194	2.581989	191.5	194	196.5	191	197	4
Sodium Adsorption Ratio (SAR) (meq/L)	6.65	0.759386	5.975	6.55	7.425	5.9	7.6	4
Solids-Total Dissolved Calculated (mg/L)	756.75	18.39157	739.5	757.5	773.25	738	774	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	722.5	39.47573	690	715	762.5	690	770	4
Strontium-Total (mg.L)	1.15	0.057735	1.1	1.15	1.2	1.1	1.2	4
Sulfate (mg/L)	405.75	16.37834	392	402.5	422.75	390	428	4
TDS Balance (0.80 - 1.20) (dec.%)	0.9525	0.056789	0.8975	0.955	1.005	0.89	1.01	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)								4
Thorium 230-Suspended (pCi/L)	4.175	7.822777	0.025	0.4	12.1		15.9	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Suspended (mg/L)	0.00385	0.007234	0.00015	0.000275	0.011125	0.00015	0.0147	4
Uranium-Total (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4

POWERTECH (USA) INC.

Well #689				
Analyte	**3/30/2008 17:25**	**4/21/2008 19:50**	**5/28/2008 22:25**	**6/25/2008 18:18**
A/C Balance (± 5) (%)	-4.96	3.98	2.36	2.76
Alkalinity-Total as CaCO3 (mg/L)	150	148	148	150
Aluminum-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Ammonia (mg/L)	<0.1	0.1	<0.1	<0.1
Anions (meq/L)	12	10.9	11.5	10.8
Antimony-Total (mg/L)	<0.003	0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	0.001	0.001	0.001
Arsenic-Total (mg/L)	<0.003	0.002	0.004	0.003
Barium-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	183	180	180	183
Boron-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	0.1	0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	43.8	48.5	49.2	46.7
Carbonate as CO3 (mg/L)	<5	5	<5	<5
Cations (meq/L)	10.8	11.8	12	11.4
Chloride (mg/L)	7	5	5	5
Chromium-Dissolved (mg/L)	<0.05	0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1080	1110	1010	1270
Copper-Dissolved (mg/L)	<0.01	0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	0.01	<0.01	<0.01
Fluoride (mg/L)	0.5	0.5	0.5	0.5
Gross Alpha-Dissolved (pCi/L)	64.3	25.5	34.9	36.5
Gross Beta-Dissolved (pCi/L)	21.2	13.2	12.2	15
Gross Gamma-Dissolved (pCi/L)	86		150	
Iron-Dissolved (mg/L)	<0.03	0.03	<0.03	<0.03
Iron-Total (mg/L)	0.72	0.52	1.33	1.15
Lead 210-Dissolved (pCi/L)	-31	-2.4	6.3	-6.5
Lead 210-Suspended (pCi/L)		-0.3	-2	1
Lead-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	0.001	<0.001	0.017
Magnesium-Dissolved (mg/L)	15.6	16.8	16.4	16
Manganese-Dissolved (mg/L)	0.03	0.04	0.04	0.04
Manganese-Total (mg/L)	0.06	0.06	0.08	0.07
Mercury-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	0.001	<0.0001	<0.0002
		0.001		
Molybdenum-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	0.05	<0.1	<0.1

POWERTECH (USA) INC.

Well #689				
Analyte	**3/30/2008 17:25**	**4/21/2008 19:50**	**5/28/2008 22:25**	**6/25/2008 18:18**
Nitrogen, Nitrite as N (mg/L)	<0.1	0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	190	300	210	150
pH	7.85	8.02	7.8	8.08
Polonium 210-Dissolved (pCi/L)	1.1	0.7	-0.4	
Polonium 210-Suspended (pCi/L)	0.6	0.6	0.2	0.1
Potassium-Dissolved (mg/L)	7.4	7.9	8.1	7.7
Radium 226-Dissolved (pCi/L)	7.9	4.2	5.7	5.5
Radium 226-Suspended (pCi/L)	2	0.02	0.5	-0.05
Radon 222-Total (pCi/L)	1950	1540	1390	2520
Selenium-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.7	8	4.6	4.3
Silver-Dissolved (mg/L)	<0.005	0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	5.4	5.7	5.8	5.6
Sodium-Dissolved (mg/L)	165	180	184	174
Solids-Total Dissolved Calculated (mg/L)	771	744	764	718
Solids-Total Dissolved TDS @ 180 C (mg/L)	720	760	730	700
Strontium-Total (mg.L)	0.9	1	1	1
Sulfate (mg/L)	421	374	400	366
TDS Balance (0.80 - 1.20) (dec.%)	0.93	1.02	0.95	0.98
Thallium-Total (mg/L)	<0.001	0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.2	0.1		
Thorium 230-Suspended (pCi/L)	0.2	0.3	0.4	0.4
Thorium 232-Dissolved (pCi/L)	<0.005	0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0032	0.0037	0.0043	0.0034
Uranium-Suspended (mg/L)	0.0005	0.0003	0.0004	0.0005
Uranium-Total (mg/L)	0.0041	0.004	0.0117	0.006
Vanadium-Dissolved (mg/L)	<0.1	0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	0.01	<0.01	<0.01

POWERTECH (USA) INC.

Well #689								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	1.035	4.055626	-3.13	2.56	3.675	-4.96	3.98	4
Alkalinity-Total as CaCO3 (mg/L)	149	1.154701	148	149	150	148	150	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Anions (meq/L)	11.3	0.559762	10.825	11.2	11.875	10.8	12	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.000875	0.00025	0.000625	0.001	0.001	0.0005	0.001	4
Arsenic-Total (mg/L)	0.002625	0.001109	0.001625	0.0025	0.00375	0.0015	0.004	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Bicarbonate as HCO3 (mg/L)	181.5	1.732051	180	181.5	183	180	183	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	47.05	2.409011	44.525	47.6	49.025	43.8	49.2	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	11.5	0.52915	10.95	11.6	11.95	10.8	12	4
Chloride (mg/L)	5.5	1	5	5	6.5	5	7	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	1117.5	109.9621	1027.5	1095	1230	1010	1270	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.5		0.5	0.5	0.5	0.5	0.5	4
Gross Alpha-Dissolved (pCi/L)	40.3	16.71965	27.85	35.7	57.35	25.5	64.3	4
Gross Beta-Dissolved (pCi/L)	15.4	4.0365	12.45	14.1	19.65	12.2	21.2	4
Gross Gamma-Dissolved (pCi/L)	59	72.96575		43	134		150	4
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	4
Iron-Total (mg/L)	0.93	0.374433	0.57	0.935	1.285	0.52	1.33	4
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.004625	0.00825	0.0005	0.0005	0.012875	0.0005	0.017	4
Lead 210-Dissolved (pCi/L)	-8.4	15.98395	-24.875	-4.45	4.125	-31	6.3	4
Lead 210-Suspended (pCi/L)	-0.325	1.24733	-1.575	-0.15	0.75	-2	1	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	16.2	0.516398	15.7	16.2	16.7	15.6	16.8	4
Manganese-Dissolved (mg/L)	0.0375	0.005	0.0325	0.04	0.04	0.03	0.04	4
Manganese-Total (mg/L)	0.0675	0.009574	0.06	0.065	0.0775	0.06	0.08	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4

POWERTECH (USA) INC.

Well #689								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	212.5	63.44289	160	200	277.5	150	300	4
pH	7.9375	0.13376	7.8125	7.935	8.065	7.8	8.08	4
Polonium 210-Dissolved (pCi/L)	0.35	0.675771	-0.3	0.35	1	-0.4	1.1	4
Polonium 210-Suspended (pCi/L)	0.375	0.262996	0.125	0.4	0.6	0.1	0.6	4
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	7.775	0.298608	7.475	7.8	8.05	7.4	8.1	4
Radium 226-Dissolved (pCi/L)	5.825	1.534872	4.525	5.6	7.35	4.2	7.9	4
Radium 226-Suspended (pCi/L)	0.6175	0.953533	-0.0325	0.26	1.625	-0.05	2	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1850	505.503	1427.5	1745	2377.5	1390	2520	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	6.15	1.970618	4.375	6.15	7.925	4.3	8	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	175.75	8.261356	167.25	177	183	165	184	4
Sodium Adsorption Ratio (SAR) (meq/L)	5.625	0.170783	5.45	5.65	5.775	5.4	5.8	4
Solids-Total Dissolved Calculated (mg/L)	749.25	23.76798	724.5	754	769.25	718	771	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	727.5	25	705	725	752.5	700	760	4
Strontium-Total (mg/L)	0.975	0.05	0.925	1	1	0.9	1	4
Sulfate (mg/L)	390.25	25.11805	368	387	415.75	366	421	4
TDS Balance (0.80 - 1.20) (dec.%)	0.97	0.039158	0.935	0.965	1.01	0.93	1.02	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)	0.075	0.095743		0.05	0.175		0.2	4
Thorium 230-Suspended (pCi/L)	0.325	0.095743	0.225	0.35	0.4	0.2	0.4	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00365	0.00048	0.00325	0.00355	0.00415	0.0032	0.0043	4
Uranium-Suspended (mg/L)	0.000388	0.000165	0.000213	0.00045	0.0005	0.00015	0.0005	4
Uranium-Total (mg/L)	0.00645	0.003619	0.004025	0.00505	0.010275	0.004	0.0117	4
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4

POWERTECH (USA) INC.

Well #694					
Analyte	**3/30/2008 10:11**	**4/21/2008 12:24**	**4/21/2008 12:30**	**5/21/2008 15:54**	**6/24/2008 15:16**
A/C Balance (± 5) (%)	-1.48	3.2	4.23	6.92	6.22
Alkalinity-Total as CaCO3 (mg/L)	204	202	204	192	206
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	0.2	0.2	0.2	0.2
Anions (meq/L)	15.4	15	15	14.4	14.5
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	0.002	0.002	0.002	0.001
Arsenic-Total (mg/L)	0.005	0.002	0.002	0.004	<0.003
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	249	246	249	234	251
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	91.6	97	98.8	103	103
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	15	15.9	16.3	16.5	16.4
Chloride (mg/L)	11	9	9	9	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1370	1370	1380	1550	1400
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.3	0.2	0.2	0.3	0.3
Gross Alpha-Dissolved (pCi/L)	8.8	19.2	18.1	10.6	23.7
Gross Beta-Dissolved (pCi/L)	10.3	15.7	16.2	12.5	15
Gross Gamma-Dissolved (pCi/L)					
Iron-Dissolved (mg/L)	<0.03	0.05	<0.03	<0.03	<0.03
Iron-Total (mg/L)	0.18	0.14	0.12	0.16	0.14
Lead 210-Dissolved (pCi/L)	-9.8		-2.4	-2.3	-0.1
Lead 210-Suspended (pCi/L)			-2.2	1.4	4.8
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	35.4	37.6	38.4	38.6	37.1
Manganese-Dissolved (mg/L)	0.14	0.15	0.15	0.16	0.16
Manganese-Total (mg/L)	0.2	0.15	0.15	0.17	0.16
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.05	<0.05	<0.1	<0.1

POWERTECH (USA) INC.

Well #694					
Analyte	**3/30/2008 10:11**	**4/21/2008 12:24**	**4/21/2008 12:30**	**5/21/2008 15:54**	**6/24/2008 15:16**
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	280	360	350	210	140
pH	7.65	7.94	7.84	7.54	7.82
Polonium 210-Dissolved (pCi/L)	1.8	1.4	0.6	0.6	
Polonium 210-Suspended (pCi/L)	0.9	0.2	0.7	-0.1	
Potassium-Dissolved (mg/L)	12.3	13	13.5	13.1	13.6
Radium 226-Dissolved (pCi/L)	1.6	4.2	3.7	1.9	2.2
Radium 226-Suspended (pCi/L)	1	-0.4	-0.09	-0.2	-0.3
Radon 222-Total (pCi/L)	313	251	250	619	611
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	8.1	8.4	8.3	4.7	4.6
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	3.7	3.8	3.9	3.8	3.9
Sodium-Dissolved (mg/L)	165	176	180	180	180
Solids-Total Dissolved Calculated (mg/L)	990	988	996	965	965
Solids-Total Dissolved TDS @ 180 C (mg/L)	970	1000	990	970	960
Strontium-Total (mg.L)	2.7	2.8	2.8	3	2.9
Sulfate (mg/L)	531	512	511	493	486
TDS Balance (0.80 - 1.20) (dec.%)	0.98	1.01	1	1.01	1
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.2				0.1
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.3	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0005	0.0005	0.0006	0.0006	0.0006
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.0006	0.0006	0.0006	0.0006	0.0006
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	0.02	<0.01	<0.01	<0.01	<0.01

POWERTECH (USA) INC.

Well #694								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	3.818	3.317095	0.86	4.23	6.57	-1.48	6.92	5
Alkalinity-Total as CaCO3 (mg/L)	201.6	5.549775	197	204	205	192	206	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.2		0.2	0.2	0.2	0.2	0.2	5
Anions (meq/L)	14.86	0.409878	14.45	15	15.2	14.4	15.4	5
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	5
Arsenic-Dissolved (mg/L)	0.0018	0.000447	0.0015	0.002	0.002	0.001	0.002	5
Arsenic-Total (mg/L)	0.0029	0.001517	0.00175	0.002	0.0045	0.0015	0.005	5
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Beryllium-Total (mg/L)	0.0007	0.000447	0.0005	0.0005	0.001	0.0005	0.0015	5
Bicarbonate as HCO3 (mg/L)	245.8	6.83374	240	249	250	234	251	5
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Calcium-Dissolved (mg/L)	98.68	4.751	94.3	98.8	103	91.6	103	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	16.02	0.614003	15.45	16.3	16.45	15	16.5	5
Chloride (mg/L)	9.4	0.894427	9	9	10	9	11	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Conductivity @ 25 C (umhos/cm)	1414	77.00649	1370	1380	1475	1370	1550	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Fluoride (mg/L)	0.26	0.054772	0.2	0.3	0.3	0.2	0.3	5
Gross Alpha-Dissolved (pCi/L)	16.08	6.223102	9.7	18.1	21.45	8.8	23.7	5
Gross Beta-Dissolved (pCi/L)	13.94	2.482539	11.4	15	15.95	10.3	16.2	5
Gross Gamma-Dissolved (pCi/L)								5
Iron-Dissolved (mg/L)	0.022	0.015652	0.015	0.015	0.0325	0.015	0.05	5
Iron-Total (mg/L)	0.148	0.022804	0.13	0.14	0.17	0.12	0.18	5
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead 210-Dissolved (pCi/L)	-2.92	4.014598	-6.1	-2.3	-0.05	-9.8		5
Lead 210-Suspended (pCi/L)	0.8	2.580698	-1.1		3.1	-2.2	4.8	5
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	37.42	1.281405	36.25	37.6	38.5	35.4	38.6	5
Manganese-Dissolved (mg/L)	0.152	0.008367	0.145	0.15	0.16	0.14	0.16	5
Manganese-Total (mg/L)	0.166	0.020736	0.15	0.16	0.185	0.15	0.2	5
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.000379	0.000208	0.0001	0.0005	0.0005	0.00005	0.0005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5

POWERTECH (USA) INC.

Well #694								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.04	0.013693	0.025	0.05	0.05	0.025	0.05	5
Nitrogen, Nitrite as N (mg/L)	0.04	0.013693	0.025	0.05	0.05	0.025	0.05	5
Oxidation-Reduction Potential (mV)	268	93.64828	175	280	355	140	360	5
pH	7.758	0.160375	7.595	7.82	7.89	7.54	7.94	5
Polonium 210-Dissolved (pCi/L)	0.88	0.715542	0.3	0.6	1.6		1.8	5
Polonium 210-Suspended (pCi/L)	0.34	0.439318	-0.05	0.2	0.8	-0.1	0.9	5
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	13.1	0.514782	12.65	13.1	13.55	12.3	13.6	5
Radium 226-Dissolved (pCi/L)	2.72	1.156287	1.75	2.2	3.95	1.6	4.2	5
Radium 226-Suspended (pCi/L)	0.002	0.569667	-0.35	-0.2	0.455	-0.4	1	5
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	408.8	189.9768	250.5	313	615	250	619	5
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-Total (mg/L)	0.0006	0.000224	0.0005	0.0005	0.00075	0.0005	0.001	5
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Silica-Dissolved (mg/L)	6.82	1.984187	4.65	8.1	8.35	4.6	8.4	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Sodium-Dissolved (mg/L)	176.2	6.496153	170.5	180	180	165	180	5
Sodium Adsorption Ratio (SAR) (meq/L)	3.82	0.083666	3.75	3.8	3.9	3.7	3.9	5
Solids-Total Dissolved Calculated (mg/L)	980.8	14.72073	965	988	993	965	996	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	978	16.43168	965	970	995	960	1000	5
Strontium-Total (mg.L)	2.84	0.114018	2.75	2.8	2.95	2.7	3	5
Sulfate (mg/L)	506.6	17.70028	489.5	511	521.5	486	531	5
TDS Balance (0.80 - 1.20) (dec.%)	1	0.012247	0.99	1	1.01	0.98	1.01	5
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Thorium 230-Dissolved (pCi/L)	0.06	0.089443			0.15		0.2	5
Thorium 230-Suspended (pCi/L)	0.1	0.122474		0.1	0.2		0.3	5
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.00056	5.48E-05	0.0005	0.0006	0.0006	0.0005	0.0006	5
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	5
Uranium-Total (mg/L)	0.0006		0.0006	0.0006	0.0006	0.0006	0.0006	5
Vanadium-Dissolved (mg/L)	0.06	0.022361	0.05	0.05	0.075	0.05	0.1	5
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Zinc-Total (mg/L)	0.008	0.006708	0.005	0.005	0.0125	0.005	0.02	5

POWERTECH (USA) INC.

Well #695			
Analyte	**4/22/2008 12:46**	**5/21/2008 14:45**	**6/24/2008 17:30**
A/C Balance (± 5) (%)	2.68	1.68	7.98
Alkalinity-Total as CaCO3 (mg/L)	174	180	174
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.2	0.2	0.1
Anions (meq/L)	14.3	15	13
Antimony-Total (mg/L)	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	0.001	<0.001
Arsenic-Total (mg/L)	0.001	0.002	<0.001
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	212	219	212
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	50.1	52.1	52.5
Carbonate as CO3 (mg/L)	<5	<5	<5
Cations (meq/L)	15.1	15.5	15.3
Chloride (mg/L)	11	11	11
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1370	1560	1380
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.4	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	29.4	25.6	39.7
Gross Beta-Dissolved (pCi/L)	6	8	11
Gross Gamma-Dissolved (pCi/L)		140	
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03
Iron-Total (mg/L)	0.14	0.12	0.12
Lead 210-Dissolved (pCi/L)	-1.8	3.1	0.7
Lead 210-Suspended (pCi/L)	-2.1	-0.7	2.9
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	17.6	19.4	18.8
Manganese-Dissolved (mg/L)	0.08	0.09	0.08
Manganese-Total (mg/L)	0.08	0.09	0.08
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	0.06	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.05	<0.1	<0.1

POWERTECH (USA) INC.

Well #695			
Analyte	**4/22/2008 12:46**	**5/21/2008 14:45**	**6/24/2008 17:30**
Oxidation-Reduction Potential (mV)	290	190	120
pH	8.08	7.91	8.14
Polonium 210-Dissolved (pCi/L)	1.6	-0.3	0.1
Polonium 210-Suspended (pCi/L)	0.4	-0.2	
Potassium-Dissolved (mg/L)	8.4	8.8	8.7
Radium 226-Dissolved (pCi/L)	5	3.7	5.2
Radium 226-Suspended (pCi/L)	-0.4	-0.2	-0.1
Radon 222-Total (pCi/L)	1400	2090	2120
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	3.9	4.4	4.4
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	7.8	7.6	7.5
Sodium-Dissolved (mg/L)	251	254	250
Solids-Total Dissolved Calculated (mg/L)	957	996	901
Solids-Total Dissolved TDS @ 180 C (mg/L)	910	920	920
Strontium-Total (mg.L)	1	1	1
Sulfate (mg/L)	504	530	442
TDS Balance (0.80 - 1.20) (dec.%)	0.96	0.92	1.02
Thallium-Total (mg/L)	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)			
Thorium 230-Suspended (pCi/L)	0.3		
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0029	0.0029	0.0027
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	0.0032	0.0029	0.0027
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01

POWERTECH (USA) INC.

Well #695								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	4.113333	3.385754	1.68	2.68	7.98	1.68	7.98	3
Alkalinity-Total as CaCO3 (mg/L)	176	3.464102	174	174	180	174	180	3
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Ammonia (mg/L)	0.166667	0.057735	0.1	0.2	0.2	0.1	0.2	3
Anions (meq/L)	14.1	1.014889	13	14.3	15	13	15	3
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	3
Arsenic-Dissolved (mg/L)	0.000833	0.000289	0.0005	0.001	0.001	0.0005	0.001	3
Arsenic-Total (mg/L)	0.001167	0.000764	0.0005	0.001	0.002	0.0005	0.002	3
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Beryllium-Total (mg/L)	0.000833	0.000577	0.0005	0.0005	0.0015	0.0005	0.0015	3
Bicarbonate as HCO3 (mg/L)	214.3333	4.041452	212	212	219	212	219	3
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Calcium-Dissolved (mg/L)	51.56667	1.28582	50.1	52.1	52.5	50.1	52.5	3
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	3
Cation/Anion Balance (%)								
Cations (meq/L)	15.3	0.2	15.1	15.3	15.5	15.1	15.5	3
Chloride (mg/L)	11		11	11	11	11	11	3
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Conductivity @ 25 C (umhos/cm)	1436.667	106.9268	1370	1380	1560	1370	1560	3
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Fluoride (mg/L)	0.4		0.4	0.4	0.4	0.4	0.4	3
Gross Alpha-Dissolved (pCi/L)	31.56667	7.295432	25.6	29.4	39.7	25.6	39.7	3
Gross Beta-Dissolved (pCi/L)	8.333333	2.516611	6	8	11	6	11	3
Gross Gamma-Dissolved (pCi/L)	46.66667	80.82904			140		140	3
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	3
Iron-Total (mg/L)	0.126667	0.011547	0.12	0.12	0.14	0.12	0.14	3
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Lead 210-Dissolved (pCi/L)	0.666667	2.45017	-1.8	0.7	3.1	-1.8	3.1	3
Lead 210-Suspended (pCi/L)	0.033333	2.579406	-2.1	-0.7	2.9	-2.1	2.9	3
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	18.6	0.916515	17.6	18.8	19.4	17.6	19.4	3
Manganese-Dissolved (mg/L)	0.083333	0.005774	0.08	0.08	0.09	0.08	0.09	3
Manganese-Total (mg/L)	0.083333	0.005774	0.08	0.08	0.09	0.08	0.09	3
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Mercury-Total (mg/L)	0.000288	0.000246	6.25E-05	0.0003	0.0005	0.00005	0.0005	4
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	3

POWERTECH (USA) INC.

Well #695								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.053333	0.005774	0.05	0.05	0.06	0.05	0.06	3
Nitrogen, Nitrite as N (mg/L)	0.041667	0.014434	0.025	0.05	0.05	0.025	0.05	3
Oxidation-Reduction Potential (mV)	200	85.44004	120	190	290	120	290	3
pH	8.043333	0.119304	7.91	8.08	8.14	7.91	8.14	3
Polonium 210-Dissolved (pCi/L)	0.466667	1.001665	-0.3	0.1	1.6	-0.3	1.6	3
Polonium 210-Suspended (pCi/L)	0.066667	0.305505	-0.2		0.4	-0.2	0.4	3
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	8.633333	0.208167	8.4	8.7	8.8	8.4	8.8	3
Radium 226-Dissolved (pCi/L)	4.633333	0.814453	3.7	5	5.2	3.7	5.2	3
Radium 226-Suspended (pCi/L)	-0.23333	0.152753	-0.4	-0.2	-0.1	-0.4	-0.1	3
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	1870	407.3082	1400	2090	2120	1400	2120	3
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.000667	0.000289	0.0005	0.0005	0.001	0.0005	0.001	3
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	4.233333	0.288675	3.9	4.4	4.4	3.9	4.4	3
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Sodium-Dissolved (mg/L)	251.6667	2.081666	250	251	254	250	254	3
Sodium Adsorption Ratio (SAR) (meq/L)	7.633333	0.152753	7.5	7.6	7.8	7.5	7.8	3
Solids-Total Dissolved Calculated (mg/L)	951.3333	47.75284	901	957	996	901	996	3
Solids-Total Dissolved TDS @ 180 C (mg/L)	916.6667	5.773503	910	920	920	910	920	3
Strontium-Total (mg.L)	1		1	1	1	1	1	3
Sulfate (mg/L)	492	45.21062	442	504	530	442	530	3
TDS Balance (0.80 - 1.20) (dec.%)	0.966667	0.050332	0.92	0.96	1.02	0.92	1.02	3
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Thorium 230-Dissolved (pCi/L)								3
Thorium 230-Suspended (pCi/L)	0.1	0.173205			0.3		0.3	3
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	3
Uranium-Dissolved (mg/L)	0.002833	0.000115	0.0027	0.0029	0.0029	0.0027	0.0029	3
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	3
Uranium-Total (mg/L)	0.002933	0.000252	0.0027	0.0029	0.0032	0.0027	0.0032	3
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	3
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	3

POWERTECH (USA) INC.

Well #696				
Analyte	**3/31/2008 13:41**	**4/22/2008 16:58**	**5/21/2008 11:55**	**6/24/2008 15:08**
A/C Balance (± 5) (%)	0.93	5.13	3.21	7.89
Alkalinity-Total as CaCO3 (mg/L)	184	182	182	174
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.4	0.4	0.4	0.4
Anions (meq/L)	14	13.9	14.5	13.3
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.002	0.001	<0.001	<0.001
Arsenic-Total (mg/L)	0.003	0.002	0.002	<0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	215	222	222	212
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	28	29.9	31	31.6
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	14.3	15.4	15.5	15.6
Chloride (mg/L)	15	12	12	12
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1440	1410	1420	1390
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	3.9	5.2	14.3	23.9
Gross Beta-Dissolved (pCi/L)	-2.1	10.7	9	9.9
Gross Gamma-Dissolved (pCi/L)				
Iron-Dissolved (mg/L)	<0.03	0.07	0.09	0.1
Iron-Total (mg/L)	0.04	0.08	0.1	0.67
Lead 210-Dissolved (pCi/L)	-11.2	-4.9	-2.7	-5.3
Lead 210-Suspended (pCi/L)			2.1	5.6
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	10	10.4	10.9	11.1
Manganese-Dissolved (mg/L)	0.05	0.06	0.07	0.07
Manganese-Total (mg/L)	0.05	0.06	0.07	0.07
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.05	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.1	<0.1

POWERTECH (USA) INC.

Well #696				
Analyte	**3/31/2008 13:41**	**4/22/2008 16:58**	**5/21/2008 11:55**	**6/24/2008 15:08**
Oxidation-Reduction Potential (mV)	170	200	120	99
pH	8.71	8.47	8.35	8.29
Polonium 210-Dissolved (pCi/L)	0.6	0.9	-0.2	0.2
Polonium 210-Suspended (pCi/L)	0.5	0.6		0.5
Potassium-Dissolved (mg/L)	9.7	9.3	9.2	9.4
Radium 226-Dissolved (pCi/L)	1	0.5	1.8	3.3
Radium 226-Suspended (pCi/L)	0.6	-0.2	-0.1	-0.4
Radon 222-Total (pCi/L)	190	185	497	517
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	<0.001	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	8.1	4.4	4.7	5
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	11	12	12	12
Sodium-Dissolved (mg/L)	270	293	294	295
Solids-Total Dissolved Calculated (mg/L)	941	951	984	934
Solids-Total Dissolved TDS @ 180 C (mg/L)	880	930	930	920
Strontium-Total (mg.L)	0.7	0.8	0.8	0.8
Sulfate (mg/L)	475	475	505	456
TDS Balance (0.80 - 1.20) (dec.%)	0.94	0.98	0.94	0.99
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)				
Thorium 230-Suspended (pCi/L)	0.2	0.2	0.1	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Uranium-Total (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01	<0.01

POWERTECH (USA) INC.

Well #696								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	4.29	2.950797	1.5	4.17	7.2	0.93	7.89	4
Alkalinity-Total as CaCO3 (mg/L)	180.5	4.434712	176	182	183.5	174	184	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.4		0.4	0.4	0.4	0.4	0.4	4
Anions (meq/L)	13.925	0.492443	13.45	13.95	14.375	13.3	14.5	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.001	0.000707	0.0005	0.00075	0.00175	0.0005	0.002	4
Arsenic-Total (mg/L)	0.002	0.000816	0.00125	0.002	0.00275	0.001	0.003	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Beryllium-Total (mg/L)	0.00075	0.0005	0.0005	0.0005	0.00125	0.0005	0.0015	4
Bicarbonate as HCO3 (mg/L)	217.75	5.057997	212.75	218.5	222	212	222	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	30.125	1.581929	28.475	30.45	31.45	28	31.6	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	15.2	0.60553	14.575	15.45	15.575	14.3	15.6	4
Chloride (mg/L)	12.75	1.5	12	12	14.25	12	15	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	1415	20.81666	1395	1415	1435	1390	1440	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.35	0.057735	0.3	0.35	0.4	0.3	0.4	4
Gross Alpha-Dissolved (pCi/L)	11.825	9.284889	4.225	9.75	21.5	3.9	23.9	4
Gross Beta-Dissolved (pCi/L)	6.875	6.023496	0.675	9.45	10.5	-2.1	10.7	4
Gross Gamma-Dissolved (pCi/L)								4
Iron-Dissolved (mg/L)	0.06875	0.037942	0.02875	0.08	0.0975	0.015	0.1	4
Iron-Total (mg/L)	0.2225	0.299374	0.05	0.09	0.5275	0.04	0.67	4
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead 210-Dissolved (pCi/L)	-6.025	3.634442	-9.725	-5.1	-3.25	-11.2	-2.7	4
Lead 210-Suspended (pCi/L)	1.925	2.642442		1.05	4.725		5.6	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	10.6	0.496655	10.1	10.65	11.05	10	11.1	4
Manganese-Dissolved (mg/L)	0.0625	0.009574	0.0525	0.065	0.07	0.05	0.07	4
Manganese-Total (mg/L)	0.0625	0.009574	0.0525	0.065	0.07	0.05	0.07	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.000283	0.000238	0.00005	0.0003	0.0005	0.00005	0.0005	6
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4

POWERTECH (USA) INC.

Well #696								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	147.25	46.08235	104.25	145	192.5	99	200	4
pH	8.455	0.185742	8.305	8.41	8.65	8.29	8.71	4
Polonium 210-Dissolved (pCi/L)	0.375	0.478714	-0.1	0.4	0.825	-0.2	0.9	4
Polonium 210-Suspended (pCi/L)	0.4	0.270801	0.125	0.5	0.575		0.6	4
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	9.4	0.216025	9.225	9.35	9.625	9.2	9.7	4
Radium 226-Dissolved (pCi/L)	1.65	1.223383	0.625	1.4	2.925	0.5	3.3	4
Radium 226-Suspended (pCi/L)	-0.025	0.434933	-0.35	-0.15	0.425	-0.4	0.6	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	347.25	184.6553	186.25	343.5	512	185	517	4
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.000625	0.00025	0.0005	0.0005	0.000875	0.0005	0.001	4
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Silica-Dissolved (mg/L)	5.55	1.717556	4.475	4.85	7.325	4.4	8.1	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	288	12.02775	275.75	293.5	294.75	270	295	4
Sodium Adsorption Ratio (SAR) (meq/L)	11.75	0.5	11.25	12	12	11	12	4
Solids-Total Dissolved Calculated (mg/L)	952.5	22.12841	935.75	946	975.75	934	984	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	915	23.80476	890	925	930	880	930	4
Strontium-Total (mg.L)	0.775	0.05	0.725	0.8	0.8	0.7	0.8	4
Sulfate (mg/L)	477.75	20.25463	460.75	475	497.5	456	505	4
TDS Balance (0.80 - 1.20) (dec.%)	0.9625	0.0263	0.94	0.96	0.9875	0.94	0.99	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)								4
Thorium 230-Suspended (pCi/L)	0.125	0.095743	0.025	0.15	0.2		0.2	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4

POWERTECH (USA) INC.

Well #697					
Analyte	**3/30/2008 16:36**	**3/31/2008 16:31**	**4/22/2008 16:02**	**5/21/2008 16:44**	**6/24/2008 18:20**
A/C Balance (± 5) (%)	-1.53	1.52	3.91	2.35	6.52
Alkalinity-Total as CaCO3 (mg/L)	166	176	166	168	168
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.1	0.2	0.2	0.1	0.1
Anions (meq/L)	13	13.9	12.5	13.1	12.1
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	<0.001	0.001	0.002	0.002
Arsenic-Total (mg/L)	<0.003	0.002	0.002	0.002	0.003
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	0.2
Beryllium-Total (mg/L)	<0.001	<0.005	<0.001	<0.003	<0.001
Bicarbonate as HCO3 (mg/L)	202	215	202	205	205
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.001	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	49.2	48	50.6	52.8	53.4
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	12.6	14.3	13.5	13.7	13.8
Chloride (mg/L)	10	14	8	8	8
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1250	1390	1230	1380	1230
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.5	0.4	0.5	0.5	0.5
Gross Alpha-Dissolved (pCi/L)	6.1	52.2	8.4	4.1	11.9
Gross Beta-Dissolved (pCi/L)	6.8	16.1	8.4	5.4	8.1
Gross Gamma-Dissolved (pCi/L)					
Iron-Dissolved (mg/L)	0.03	0.07	0.04	0.04	0.04
Iron-Total (mg/L)	0.06	0.11	0.05	0.04	0.08
Lead 210-Dissolved (pCi/L)	-23	-12.4	-0.7	-4.3	0.5
Lead 210-Suspended (pCi/L)	-2.8				2.9
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	16.9	17.8	17.3	18	17.7
Manganese-Dissolved (mg/L)	0.05	0.07	0.05	0.06	0.06
Manganese-Total (mg/L)	0.05	0.08	0.06	0.06	0.06
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	<0.05	<0.1	0.1

POWERTECH (USA) INC.

Well #697					
Analyte	**3/30/2008 16:36**	**3/31/2008 16:31**	**4/22/2008 16:02**	**5/21/2008 16:44**	**6/24/2008 18:20**
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1
Oxidation-Reduction Potential (mV)	200	230	320	200	140
pH	7.83	8.16	8.07	7.9	8.25
Polonium 210-Dissolved (pCi/L)	1.1	1.1			-0.1
Polonium 210-Suspended (pCi/L)	0.9	0.6		1.2	
Potassium-Dissolved (mg/L)	8.1	8.7	8.5	8.5	8.8
Radium 226-Dissolved (pCi/L)	1.5	6.3	1.7	1.1	0.8
Radium 226-Suspended (pCi/L)	0.6	0.6	-0.1	3.8	-0.4
Radon 222-Total (pCi/L)	323	1400	284	570	413
Selenium-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0.001	<0.001	<0.001	<0.001	0.005
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	7.4	7.4	4	4.6	4.6
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	6.2	7.3	6.6	6.5	6.6
Sodium-Dissolved (mg/L)	197	234	215	216	218
Solids-Total Dissolved Calculated (mg/L)	853	925	840	873	829
Solids-Total Dissolved TDS @ 180 C (mg/L)	800	870	810	790	810
Strontium-Total (mg.L)	1.1	0.9	1.3	1.2	1.2
Sulfate (mg/L)	452	476	430	456	409
TDS Balance (0.80 - 1.20) (dec.%)	0.93	0.94	0.97	0.91	0.97
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)	0.4				
Thorium 230-Suspended (pCi/L)	0.1	0.1	0.1	0.3	0.2
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	<0.0003	0.003	<0.0003	<0.0003	<0.0003
Uranium-Suspended (mg/L)	<0.0003	<0.0003	<0.0003	0.0007	<0.0003
Uranium-Total (mg/L)	<0.0003	0.0031	<0.0003	<0.0003	<0.0003
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01	0.01	<0.01

POWERTECH (USA) INC.

Well #697								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	2.554	2.973118	-0.005	2.35	5.215	-1.53	6.52	5
Alkalinity-Total as CaCO3 (mg/L)	168.8	4.147288	166	168	172	166	176	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.14	0.054772	0.1	0.1	0.2	0.1	0.2	5
Anions (meq/L)	12.92	0.679706	12.3	13	13.5	12.1	13.9	5
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	5
Arsenic-Dissolved (mg/L)	0.0013	0.000671	0.00075	0.001	0.002	0.0005	0.002	5
Arsenic-Total (mg/L)	0.0021	0.000548	0.00175	0.002	0.0025	0.0015	0.003	5
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.08	0.067082	0.05	0.05	0.125	0.05	0.2	5
Beryllium-Total (mg/L)	0.0011	0.000894	0.0005	0.0005	0.002	0.0005	0.0025	5
Bicarbonate as HCO3 (mg/L)	205.8	5.357238	202	205	210	202	215	5
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Boron-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0021	0.000894	0.0015	0.0025	0.0025	0.0005	0.0025	5
Calcium-Dissolved (mg/L)	50.8	2.302173	48.6	50.6	53.1	48	53.4	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	13.58	0.622093	13.05	13.7	14.05	12.6	14.3	5
Chloride (mg/L)	9.6	2.607681	8	8	12	8	14	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Conductivity @ 25 C (umhos/cm)	1296	81.73127	1230	1250	1385	1230	1390	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Fluoride (mg/L)	0.48	0.044721	0.45	0.5	0.5	0.4	0.5	5
Gross Alpha-Dissolved (pCi/L)	16.54	20.1443	5.1	8.4	32.05	4.1	52.2	5
Gross Beta-Dissolved (pCi/L)	8.96	4.164493	6.1	8.1	12.25	5.4	16.1	5
Gross Gamma-Dissolved (pCi/L)								5
Iron-Dissolved (mg/L)	0.044	0.015166	0.035	0.04	0.055	0.03	0.07	5
Iron-Total (mg/L)	0.068	0.027749	0.045	0.06	0.095	0.04	0.11	5
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead 210-Dissolved (pCi/L)	-7.98	9.792701	-17.7	-4.3	-0.1	-23	0.5	5
Lead 210-Suspended (pCi/L)	0.02	2.01544	-1.4		1.45	-2.8	2.9	5
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	17.54	0.439318	17.1	17.7	17.9	16.9	18	5
Manganese-Dissolved (mg/L)	0.058	0.008367	0.05	0.06	0.065	0.05	0.07	5
Manganese-Total (mg/L)	0.062	0.010954	0.055	0.06	0.07	0.05	0.08	5
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.000314	0.000232	0.00005	0.0005	0.0005	0.00005	0.0005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5

POWERTECH (USA) INC.

Well #697								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.055	0.027386	0.0375	0.05	0.075	0.025	0.1	5
Nitrogen, Nitrite as N (mg/L)	0.045	0.01118	0.0375	0.05	0.05	0.025	0.05	5
Oxidation-Reduction Potential (mV)	218	65.72671	170	200	275	140	320	5
pH	8.042	0.175414	7.865	8.07	8.205	7.83	8.25	5
Polonium 210-Dissolved (pCi/L)	0.42	0.622093	-0.05		1.1	-0.1	1.1	5
Polonium 210-Suspended (pCi/L)	0.54	0.536656		0.6	1.05		1.2	5
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	8.52	0.268328	8.3	8.5	8.75	8.1	8.8	5
Radium 226-Dissolved (pCi/L)	2.28	2.274203	0.95	1.5	4	0.8	6.3	5
Radium 226-Suspended (pCi/L)	0.9	1.679286	-0.25	0.6	2.2	-0.4	3.8	5
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	598	461.6368	303.5	413	985	284	1400	5
Selenium-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Selenium-Total (mg/L)	0.0015	0.001969	0.0005	0.0005	0.003	0.0005	0.005	5
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Silica-Dissolved (mg/L)	5.6	1.661325	4.3	4.6	7.4	4	7.4	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Sodium-Dissolved (mg/L)	216	13.13393	206	216	226	197	234	5
Sodium Adsorption Ratio (SAR) (meq/L)	6.64	0.403733	6.35	6.6	6.95	6.2	7.3	5
Solids-Total Dissolved Calculated (mg/L)	864	37.82856	834.5	853	899	829	925	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	816	31.30495	795	810	840	790	870	5
Strontium-Total (mg.L)	1.14	0.151658	1	1.2	1.25	0.9	1.3	5
Sulfate (mg/L)	444.6	25.7449	419.5	452	466	409	476	5
TDS Balance (0.80 - 1.20) (dec.%)	0.944	0.026077	0.92	0.94	0.97	0.91	0.97	5
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Thorium 230-Dissolved (pCi/L)	0.08	0.178885			0.2		0.4	5
Thorium 230-Suspended (pCi/L)	0.16	0.089443	0.1	0.1	0.25	0.1	0.3	5
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.00072	0.001275	0.00015	0.00015	0.001575	0.00015	0.003	5
Uranium-Suspended (mg/L)	0.00026	0.000246	0.00015	0.00015	0.000425	0.00015	0.0007	5
Uranium-Total (mg/L)	0.00074	0.001319	0.00015	0.00015	0.001625	0.00015	0.0031	5
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Zinc-Total (mg/L)	0.006	0.002236	0.005	0.005	0.0075	0.005	0.01	5

POWERTECH (USA) INC.

Well #697						
Analyte	3/30/2008 14:04	3/30/2008 14:10	4/22/2008 11:30	5/28/2008 12:35	5/28/2008 12:45	6/24/2008 11:55
A/C Balance (± 5) (%)	2.58	-1.6	0.92	9.13	5.02	3.88
Alkalinity-Total as CaCO3 (mg/L)	124	122	120	114	118	114
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.1	0.1	0.2	0.2	0.2	0.1
Anions (meq/L)	29.9	32.6	32.8	28.9	30.9	33.1
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)	0.004	0.003	<0.001	0.002	0.003	0.005
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	151	149	146	139	144	139
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.2	0.1	<0.1
Boron-Total (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
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	338	340	366	382	375	393
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5	<5
Cations (meq/L)	31.4	31.6	33.4	34.8	34.2	35.8
Chloride (mg/L)	12	11	9	9	9	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2390	2400	2420	2280	2460	2530
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.2	0.3	0.3	0.5	0.6	0.3
Gross Alpha-Dissolved (pCi/L)	1750	1880	2110	1210	1390	1790
Gross Beta-Dissolved (pCi/L)	657	659	604	380	383	470
Gross Gamma-Dissolved (pCi/L)	790	840	680	4100	3500	170
Iron-Dissolved (mg/L)	1.56	1.58	2.49	1.69	1.56	1.6
Iron-Total (mg/L)	4.06	3.99	4.53	4.6	4.88	5.48
Lead 210-Dissolved (pCi/L)	-14	-9.6	-3.5	5.5	9.4	-1.7
Lead 210-Suspended (pCi/L)				2.6	9	7.4
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Magnesium-Dissolved (mg/L)	125	126	129	137	135	141
Manganese-Dissolved (mg/L)	2.18	2.22	2.39	2.31	2.23	2.56
Manganese-Total (mg/L)	2.31	2.29	2.5	2.32	2.45	2.66
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Molybdenum-Total (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
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

POWERTECH (USA) INC.

Well #697						
Analyte	**3/30/2008 14:04**	**3/30/2008 14:10**	**4/22/2008 11:30**	**5/28/2008 12:35**	**5/28/2008 12:45**	**6/24/2008 11:55**
Nitrogen, Nitrate as N (mg/L)	<0.1	<0.1	0.09	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Oxidation-Reduction Potential (mV)	280	190	110	200	220	94
pH	6.91	6.91	7.15	6.78	6.75	7.09
Polonium 210-Dissolved (pCi/L)	1	1.3	1.4	0.2		1.1
Polonium 210-Suspended (pCi/L)	1.2	0.8	-0.2	1.4	1.3	1.2
Potassium-Dissolved (mg/L)	14.6	14.4	15.6	15.5	15.4	15.9
Radium 226-Dissolved (pCi/L)	387	398	370	413	412	429
Radium 226-Suspended (pCi/L)	15.3	12.4	6.4	14	13.5	11.6
Radon 222-Total (pCi/L)	32200	29400	25800	25600	22400	40700
Selenium-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0.002	0.002	<0.001	<0.001	<0.001	<0.002
Selenium-VI-Dissolved (mg/L)	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	9.5	9.5	4.8	5.2	5.1	5.5
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	1	0.98	1	0.98	0.98	0.98
Sodium-Dissolved (mg/L)	84.6	83.7	89	88	87	89
Solids-Total Dissolved Calculated (mg/L)	1970	2110	2140	1980	2060	2200
Solids-Total Dissolved TDS @ 180 C (mg/L)	2200	2200	2300	2200	2100	2100
Strontium-Total (mg.L)	4.9	4.8	5.2	4.8	5	5.2
Sulfate (mg/L)	1300	1430	1450	1270	1360	1470
TDS Balance (0.80 - 1.20) (dec.%)	1.13	1.07	1.05	1.09	1.04	0.97
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)		-0.1				
Thorium 230-Suspended (pCi/L)	0.4	0.3	0.2	0.7	0.5	0.7
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.109	0.109	0.11	0.101	0.103	0.104
Uranium-Suspended (mg/L)	0.0024	0.0024	0.0006	0.0038	0.0032	0.0043
Uranium-Total (mg/L)	0.123	0.122	0.119	0.116	0.119	0.113
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc-Dissolved (mg/L)	0.01	<0.01	<0.01	<0.01	<0.01	0.01
Zinc-Total (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	0.01

POWERTECH (USA) INC.

Well #698								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	3.321667	3.673518	0.29	3.23	6.0475	-1.6	9.13	6
Alkalinity-Total as CaCO3 (mg/L)	118.6667	4.131182	114	119	122.5	114	124	6
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Ammonia (mg/L)	0.15	0.054772	0.1	0.15	0.2	0.1	0.2	6
Anions (meq/L)	31.36667	1.733974	29.65	31.75	32.875	28.9	33.1	6
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	6
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Arsenic-Total (mg/L)	0.002917	0.001563	0.001625	0.003	0.00425	0.0005	0.005	6
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Bicarbonate as HCO3 (mg/L)	144.6667	5.006662	139	145	149.5	139	151	6
Boron-Dissolved (mg/L)	0.083333	0.060553	0.05	0.05	0.125	0.05	0.2	6
Boron-Total (mg/L)	0.058333	0.020412	0.05	0.05	0.0625	0.05	0.1	6
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Calcium-Dissolved (mg/L)	365.6667	22.47369	339.5	370.5	384.75	338	393	6
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	6
Cation/Anion Balance (%)								
Cations (meq/L)	33.53333	1.760303	31.55	33.8	35.05	31.4	35.8	6
Chloride (mg/L)	9.833333	1.32916	9	9	11.25	9	12	6
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Conductivity @ 25 C (umhos/cm)	2413.333	82.86535	2362.5	2410	2477.5	2280	2530	6
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	6
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	6
Fluoride (mg/L)	0.366667	0.150555	0.275	0.3	0.525	0.2	0.6	6
Gross Alpha-Dissolved (pCi/L)	1688.333	330.6005	1345	1770	1937.5	1210	2110	6
Gross Beta-Dissolved (pCi/L)	525.5	131.0218	382.25	537	657.5	380	659	6
Gross Gamma-Dissolved (pCi/L)	1680	1670.126	552.5	815	3650	170	4100	6
Iron-Dissolved (mg/L)	1.746667	0.367351	1.56	1.59	1.89	1.56	2.49	6
Iron-Total (mg/L)	4.59	0.551507	4.0425	4.565	5.03	3.99	5.48	6
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Lead-Total (mg/L)	0.000583	0.000204	0.0005	0.0005	0.000625	0.0005	0.001	6
Lead 210-Dissolved (pCi/L)	-2.31667	8.828458	-10.7	-2.6	6.475	-14	9.4	6
Lead 210-Suspended (pCi/L)	3.166667	4.058407		1.3	7.8		9	6
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	132.1667	6.462714	125.75	132	138	125	141	6
Manganese-Dissolved (mg/L)	2.315	0.141527	2.21	2.27	2.4325	2.18	2.56	6
Manganese-Total (mg/L)	2.421667	0.144141	2.305	2.385	2.54	2.29	2.66	6
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Mercury-Total (mg/L)	0.000314	0.000232	0.00005	0.0005	0.0005	0.00005	0.0005	7
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Molybdenum-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	6

POWERTECH (USA) INC.

Well #698								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.056667	0.01633	0.05	0.05	0.06	0.05	0.09	6
Nitrogen, Nitrite as N (mg/L)	0.045833	0.010206	0.04375	0.05	0.05	0.025	0.05	6
Oxidation-Reduction Potential (mV)	182.3333	69.80449	106	195	235	94	280	6
pH	6.931667	0.161049	6.7725	6.91	7.105	6.75	7.15	6
Polonium 210-Dissolved (pCi/L)	0.833333	0.588784	0.15	1.05	1.325		1.4	6
Polonium 210-Suspended (pCi/L)	0.95	0.599166	0.55	1.2	1.325	-0.2	1.4	6
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	15.23333	0.595539	14.55	15.45	15.675	14.4	15.9	6
Radium 226-Dissolved (pCi/L)	401.5	21.04044	382.75	405	417	370	429	6
Radium 226-Suspended (pCi/L)	12.2	3.11705	10.3	12.95	14.325	6.4	15.3	6
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	29350	6510.223	24800	27600	34325	22400	40700	6
Selenium-Dissolved (mg/L)	0.000583	0.000204	0.0005	0.0005	0.000625	0.0005	0.001	6
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Selenium-Total (mg/L)	0.001083	0.000736	0.0005	0.00075	0.002	0.0005	0.002	6
Selenium-VI-Dissolved (mg/L)	0.000583	0.000204	0.0005	0.0005	0.000625	0.0005	0.001	6
Silica-Dissolved (mg/L)	6.6	2.257432	5.025	5.35	9.5	4.8	9.5	6
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Sodium-Dissolved (mg/L)	86.88333	2.261342	84.375	87.5	89	83.7	89	6
Sodium Adsorption Ratio (SAR) (meq/L)	0.986667	0.010328	0.98	0.98	1	0.98	1	6
Solids-Total Dissolved Calculated (mg/L)	2076.667	90.92121	1977.5	2085	2155	1970	2200	6
Solids-Total Dissolved TDS @ 180 C (mg/L)	2183.333	75.27727	2100	2200	2225	2100	2300	6
Strontium-Total (mg/L)	4.983333	0.183485	4.8	4.95	5.2	4.8	5.2	6
Sulfate (mg/L)	1380	82.94577	1292.5	1395	1455	1270	1470	6
TDS Balance (0.80 - 1.20) (dec.%)	1.058333	0.053821	1.0225	1.06	1.1	0.97	1.13	6
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	6
Thorium 230-Dissolved (pCi/L)	-0.01667	0.040825	-0.025			-0.1		6
Thorium 230-Suspended (pCi/L)	0.466667	0.206559	0.275	0.45	0.7	0.2	0.7	6
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	6
Uranium-Dissolved (mg/L)	0.106	0.003795	0.1025	0.1065	0.10925	0.101	0.11	6
Uranium-Suspended (mg/L)	0.002783	0.001309	0.00195	0.0028	0.003925	0.0006	0.0043	6
Uranium-Total (mg/L)	0.118667	0.003724	0.11525	0.119	0.12225	0.113	0.123	6
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	6
Zinc-Dissolved (mg/L)	0.006667	0.002582	0.005	0.005	0.01	0.005	0.01	6
Zinc-Total (mg/L)	0.005833	0.002041	0.005	0.005	0.00625	0.005	0.01	6

POWERTECH (USA) INC.

Well #3026				
Analyte	**3/30/2008 18:45**	**4/22/2008 14:30**	**5/28/2008 15:15**	**6/24/2008 20:06**
A/C Balance (± 5) (%)	-2.96	3.12	5.9	1.44
Alkalinity-Total as CaCO3 (mg/L)	130	126	166	172
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	1.2	0.8	0.7	0.6
Anions (meq/L)	34.2	34.6	34.5	41.2
Antimony-Total (mg/L)	<0.003	<0.003	<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.004	0.012	0.002	<0.001
Arsenic-Total (mg/L)	0.023	0.022	0.028	0.025
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Beryllium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	158	134	202	210
Boron-Dissolved (mg/L)	<0.1	<0.1	0.2	0.2
Boron-Total (mg/L)	<0.1	<0.1	0.1	0.2
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Calcium-Dissolved (mg/L)	284	331	407	461
Carbonate as CO3 (mg/L)	<5	10	<5	<5
Cations (meq/L)	32.2	36.8	38.8	42.4
Chloride (mg/L)	37	16	15	15
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2770	2730	2610	2970
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)	<0.01	<0.01	<0.01	<0.01
Fluoride (mg/L)	0.6	0.4	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	47.6	43.8	92.4	116
Gross Beta-Dissolved (pCi/L)	21.1	24.4	28.3	33.9
Gross Gamma-Dissolved (pCi/L)				
Iron-Dissolved (mg/L)	0.1	2.67	0.23	0.04
Iron-Total (mg/L)	1.75	5.38	11.1	21.8
Lead 210-Dissolved (pCi/L)	<1		-0.7	-5.3
Lead 210-Suspended (pCi/L)	-3	-8.2	4	6.9
Lead-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)	67.9	86.8	105	137
Manganese-Dissolved (mg/L)	0.42	0.36	0.82	1.42
Manganese-Total (mg/L)	0.13	0.46	0.87	1.46
Mercury-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Mercury-Total (mg/L)	<0.001	<0.001	<0.0001	<0.0002
Molybdenum-Dissolved (mg/L)	0.2	0.1	<0.1	<0.1
Molybdenum-Total (mg/L)	0.3	0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)	0.1	0.09	<0.1	<0.1
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.05	<0.1	<0.1

POWERTECH (USA) INC.

Well #3026				
Analyte	**3/30/2008 18:45**	**4/22/2008 14:30**	**5/28/2008 15:15**	**6/24/2008 20:06**
Oxidation-Reduction Potential (mV)	200	240	210	85
pH	7.63	8.49	6.95	6.82
Polonium 210-Dissolved (pCi/L)	0.4	0.2		0.2
Polonium 210-Suspended (pCi/L)	1.9		-0.1	0.2
Potassium-Dissolved (mg/L)	21.3	23.7	25.3	22.3
Radium 226-Dissolved (pCi/L)	3.6	2.8	9.6	4.7
Radium 226-Suspended (pCi/L)	3.3	0.1	1.2	-0.1
Radon 222-Total (pCi/L)	440	304	213	950
Selenium-Dissolved (mg/L)	0.006	<0.001	<0.001	<0.001
Selenium-IV-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001
Selenium-Total (mg/L)	0.007	0.002	<0.001	0.005
Selenium-VI-Dissolved (mg/L)	0.006	<0.001	<0.001	<0.001
Silica-Dissolved (mg/L)	5.7	2.1	2.3	1.9
Silver-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Silver-Total (mg/L)	<0.005	<0.005	<0.005	<0.005
Sodium Adsorption Ratio (SAR) (meq/L)	3.7	3.6	2.4	1.8
Sodium-Dissolved (mg/L)	271	284	209	171
Solids-Total Dissolved Calculated (mg/L)	2240	2340	2340	2710
Solids-Total Dissolved TDS @ 180 C (mg/L)	2300	2300	2400	2700
Strontium-Total (mg.L)	4.8	6.3	7	7.4
Sulfate (mg/L)	1470	1520	1480	1790
TDS Balance (0.80 - 1.20) (dec.%)	1.03	0.99	1.03	1.01
Thallium-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Thorium 230-Dissolved (pCi/L)		0.1	0.1	
Thorium 230-Suspended (pCi/L)	1	0.3	0.2	
Thorium 232-Dissolved (pCi/L)	<0.005	<0.005	<0.005	<0.005
Uranium-Dissolved (mg/L)	0.0151	0.015	0.0281	0.0183
Uranium-Suspended (mg/L)	0.004	0.001	0.0013	0.0015
Uranium-Total (mg/L)	0.0097	0.0196	0.0322	0.0216
Vanadium-Dissolved (mg/L)	<0.1	<0.1	<0.1	0.1
Zinc-Dissolved (mg/L)	<0.01	0.01	<0.01	<0.01
Zinc-Total (mg/L)	<0.01	0.01	0.01	0.01

POWERTECH (USA) INC.

Well #3026								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	1.875	3.711114	-1.86	2.28	5.205	-2.96	5.9	4
Alkalinity-Total as CaCO3 (mg/L)	148.5	23.85372	127	148	170.5	126	172	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.825	0.262996	0.625	0.75	1.1	0.6	1.2	4
Anions (meq/L)	36.125	3.3876	34.275	34.55	39.55	34.2	41.2	4
Antimony-Total (mg/L)	0.0015		0.0015	0.0015	0.0015	0.0015	0.0015	4
Arsenic-Dissolved (mg/L)	0.004625	0.005121	0.000875	0.003	0.01	0.0005	0.012	4
Arsenic-Total (mg/L)	0.0245	0.002646	0.02225	0.024	0.02725	0.022	0.028	4
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Beryllium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Bicarbonate as HCO3 (mg/L)	176	36.14784	140	180	208	134	210	4
Boron-Dissolved (mg/L)	0.125	0.086603	0.05	0.125	0.2	0.05	0.2	4
Boron-Total (mg/L)	0.1	0.070711	0.05	0.075	0.175	0.05	0.2	4
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Calcium-Dissolved (mg/L)	370.75	78.66543	295.75	369	447.5	284	461	4
Carbonate as CO3 (mg/L)	4.375	3.75	2.5	2.5	8.125	2.5	10	4
Cation/Anion Balance (%)								
Cations (meq/L)	37.55	4.253234	33.35	37.8	41.5	32.2	42.4	4
Chloride (mg/L)	20.75	10.84358	15	15.5	31.75	15	37	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Conductivity @ 25 C (umhos/cm)	2770	149.6663	2640	2750	2920	2610	2970	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Fluoride (mg/L)	0.45	0.1	0.4	0.4	0.55	0.4	0.6	4
Gross Alpha-Dissolved (pCi/L)	74.95	35.15655	44.75	70	110.1	43.8	116	4
Gross Beta-Dissolved (pCi/L)	26.925	5.502954	21.925	26.35	32.5	21.1	33.9	4
Gross Gamma-Dissolved (pCi/L)								4
Iron-Dissolved (mg/L)	0.76	1.2758	0.055	0.165	2.06	0.04	2.67	4
Iron-Total (mg/L)	10.0075	8.753222	2.6575	8.24	19.125	1.75	21.8	4
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead 210-Dissolved (pCi/L)	-1.375	2.662549	-4.15	-0.35	0.375	-5.3	0.5	4
Lead 210-Suspended (pCi/L)	-0.075	6.827091	-6.9	0.5	6.175	-8.2	6.9	4
Lead 210-Total (pCi/L)								
Magnesium-Dissolved (mg/L)	99.175	29.41614	72.625	95.9	129	67.9	137	4
Manganese-Dissolved (mg/L)	0.755	0.488092	0.375	0.62	1.27	0.36	1.42	4
Manganese-Total (mg/L)	0.73	0.57312	0.2125	0.665	1.3125	0.13	1.46	4
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00033	0.000233	0.000075	0.0005	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.1	0.070711	0.05	0.075	0.175	0.05	0.2	4
Molybdenum-Total (mg/L)	0.125	0.119024	0.05	0.075	0.25	0.05	0.3	4
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4

POWERTECH (USA) INC.

Well #3026								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.0725	0.0263	0.05	0.07	0.0975	0.05	0.1	4
Nitrogen, Nitrite as N (mg/L)	0.04375	0.0125	0.03125	0.05	0.05	0.025	0.05	4
Oxidation-Reduction Potential (mV)	183.75	67.99203	113.75	205	232.5	85	240	4
pH	7.4725	0.765697	6.8525	7.29	8.275	6.82	8.49	4
Polonium 210-Dissolved (pCi/L)	0.2	0.163299	0.05	0.2	0.35		0.4	4
Polonium 210-Suspended (pCi/L)	0.5	0.94163	-0.075	0.1	1.475	-0.1	1.9	4
Polonium 210-Total (pCi/L)								
Potassium-Dissolved (mg/L)	23.15	1.738774	21.55	23	24.9	21.3	25.3	4
Radium 226-Dissolved (pCi/L)	5.175	3.051093	3	4.15	8.375	2.8	9.6	4
Radium 226-Suspended (pCi/L)	1.125	1.558578	-0.05	0.65	2.775	-0.1	3.3	4
Radium 226-Total (pCi/L)								
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	476.75	328.9999	235.75	372	822.5	213	950	4
Selenium-Dissolved (mg/L)	0.001875	0.00275	0.0005	0.0005	0.004625	0.0005	0.006	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Selenium-Total (mg/L)	0.003625	0.002926	0.000875	0.0035	0.0065	0.0005	0.007	4
Selenium-VI-Dissolved (mg/L)	0.001875	0.00275	0.0005	0.0005	0.004625	0.0005	0.006	4
Silica-Dissolved (mg/L)	3	1.807392	1.95	2.2	4.85	1.9	5.7	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Sodium-Dissolved (mg/L)	233.75	53.1123	180.5	240	280.75	171	284	4
Sodium Adsorption Ratio (SAR) (meq/L)	2.875	0.928709	1.95	3	3.675	1.8	3.7	4
Solids-Total Dissolved Calculated (mg/L)	2407.5	207.103	2265	2340	2617.5	2240	2710	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	2425	189.2969	2300	2350	2625	2300	2700	4
Strontium-Total (mg/L)	6.375	1.144188	5.175	6.65	7.3	4.8	7.4	4
Sulfate (mg/L)	1565	151.5476	1472.5	1500	1722.5	1470	1790	4
TDS Balance (0.80 - 1.20) (dec.%)	1.015	0.019149	0.995	1.02	1.03	0.99	1.03	4
Thallium-Total (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Thorium 230-Dissolved (pCi/L)	0.05	0.057735		0.05	0.1		0.1	4
Thorium 230-Suspended (pCi/L)	0.375	0.434933	0.05	0.25	0.825		1	4
Thorium 230-Total (pCi/L)								
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.019125	0.006177	0.015025	0.0167	0.02565	0.015	0.0281	4
Uranium-Suspended (mg/L)	0.00195	0.001382	0.001075	0.0014	0.003375	0.001	0.004	4
Uranium-Total (mg/L)	0.020775	0.009224	0.012175	0.0206	0.02955	0.0097	0.0322	4
Vanadium-Dissolved (mg/L)	0.0625	0.025	0.05	0.05	0.0875	0.05	0.1	4
Zinc-Dissolved (mg/L)	0.00625	0.0025	0.005	0.005	0.00875	0.005	0.01	4
Zinc-Total (mg/L)	0.00875	0.0025	0.00625	0.01	0.01	0.005	0.01	4

POWERTECH (USA) INC.

Well #4002					
Analyte	**9/27/2007 14:35**	**9/27/2007 14:39**	**11/14/2007 11:45**	**2/12/2008 11:47**	**5/19/2008 13:00**
A/C Balance (± 5) (%)	-4.1	0.215	-1.56	-2.61	2.11
Alkalinity-Total as CaCO3 (mg/L)	140	138	140	138	144
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.3	<0.1	<0.1	<0.1	<0.1
Anions (meq/L)	11.3	11	12.3	12.8	12.4
Antimony-Total (mg/L)				<0.003	<0.003
Arsenic-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic-Total (mg/L)				<0.001	0.002
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)				<0.1	<0.1
Beryllium-Total (mg/L)				<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	171	168	171	168	176
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)				<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)				<0.005	<0.001
Calcium-Dissolved (mg/L)	36.8	38.7	41.4	42.4	46.6
Carbonate as CO3 (mg/L)	<5	<5	<5	<5	<5
Cations (meq/L)	10.4	11.1	12	12.1	13
Chloride (mg/L)	7	7	7	7	6
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)				<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	1190	1210	1130	1230	1340
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)				<0.01	<0.01
Fluoride (mg/L)	0.3	0.3	0.4	0.4	0.4
Gross Alpha-Dissolved (pCi/L)	120	141	227	314	127
Gross Beta-Dissolved (pCi/L)	45.5	49.6	87.9	101	30.1
Gross Gamma-Dissolved (pCi/L)	120	<20	2200	650	210
Iron-Dissolved (mg/L)	<0.03	<0.03	<0.03	<0.03	<0.03
Iron-Total (mg/L)				2.23	2.29
Lead 210-Dissolved (pCi/L)	2	<1	6.2	<1	-2.6
Lead 210-Suspended (pCi/L)	9.7	<1	<1	<1	1.4
Lead-Dissolved (mg/L)	12	<1			
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)				<0.001	<0.001
Manganese-Dissolved (mg/L)	11.9	12.4	13.9	14.2	15.8
Manganese-Total (mg/L)	0.08	0.07	0.08	0.08	0.08
Mercury-Dissolved (mg/L)				0.08	0.08
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.0002	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)				<0.01	<0.01
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05

POWERTECH (USA) INC.

Well #4002					
Analyte	**9/27/2007 14:35**	**9/27/2007 14:39**	**11/14/2007 11:45**	**2/12/2008 11:47**	**5/19/2008 13:00**
Nitrogen, Nitrate as N (mg/L)				<0.05	<0.05
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1	0.1
Oxidation-Reduction Potential (mV)	<0.1	<0.1	<0.1	<0.1	<0.1
pH			140	190	250
Polonium 210-Dissolved (pCi/L)	7.81	7.85	7.65	7.83	8.02
Polonium 210-Suspended (pCi/L)	<1	<1	<1	2.1	
Potassium-Dissolved (mg/L)	<1	<1	<1	<1.	0.1
Radium 226-Dissolved (pCi/L)	<1	<1			
Radium 226-Suspended (pCi/L)	7.2	7.3	7.3	7.4	7.1
Radon 222-Total (pCi/L)	63.6	60	54.2	57	52.3
Selenium-Dissolved (mg/L)	<0.2	19.4		37	8.4
Selenium-IV-Dissolved (mg/L)	62.7	79.4			
Selenium-Total (mg/L)			8010	9890	8780
Selenium-VI-Dissolved (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.005
Silica-Dissolved (mg/L)			<0.001	<0.001	<0.001
Silver-Dissolved (mg/L)				<0.001	<0.001
Silver-Total (mg/L)			<0.001	<0.001	<0.001
Sodium Adsorption Ratio (SAR) (meq/L)	6.6	6.9	7.6	7.3	3.8
Sodium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Solids-Total Dissolved Calculated (mg/L)				<0.005	<0.005
Solids-Total Dissolved TDS @ 180 C (mg/L)			6.7	6.7	6.8
Strontium-Total (mg.L)	170	182	197	198	211
Sulfate (mg/L)	716	717	799	842	834
TDS Balance (0.80 - 1.20) (dec.%)	820	800	850	830	790
Thallium-Total (mg/L)				0.8	0.9
Thorium 230-Dissolved (pCi/L)	454	453	448	470	450
Thorium 230-Suspended (pCi/L)	1.15	1.12	1.06	0.98	0.94
Thorium 232-Dissolved (pCi/L)				<0.001	<0.001
Uranium-Dissolved (mg/L)	0.5	0.6	<0.2	0.2	
Uranium-Suspended (mg/L)	<0.2	<0.2	<0.2	<0.2	0.1
Uranium-Total (mg/L)	<0.2	<0.2			
Vanadium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc-Dissolved (mg/L)	0.0026	0.0026	0.0026	0.0026	0.0023
Zinc-Total (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

POWERTECH (USA) INC.

Well #4002								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (± 5) (%)	-1.189	2.423088	-3.355	-1.56	1.1625	-4.1	2.11	5
Alkalinity-Total as CaCO3 (mg/L)	140	2.44949	138	140	142	138	144	5
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Ammonia (mg/L)	0.1	0.111803	0.05	0.05	0.175	0.05	0.3	5
Anions (meq/L)	11.96	0.770065	11.15	12.3	12.6	11	12.8	5
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Arsenic-Total (mg/L)	0.00125	0.001061		0.00125		0.0005	0.002	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	170.8	3.271085	168	171	173.5	168	176	5
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Cadmium-Total (mg/L)	0.0015	0.001414		0.0015		0.0005	0.0025	2
Calcium-Dissolved (mg/L)	41.18	3.749933	37.75	41.4	44.5	36.8	46.6	5
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	5
Cation/Anion Balance (%)								
Cations (meq/L)	11.72	0.998499	10.75	12	12.55	10.4	13	5
Chloride (mg/L)	6.8	0.447214	6.5	7	7	6	7	5
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	1220	76.81146	1160	1210	1285	1130	1340	5
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.36	0.054772	0.3	0.4	0.4	0.3	0.4	5
Gross Alpha-Dissolved (pCi/L)	185.8	83.55657	123.5	141	270.5	120	314	5
Gross Beta-Dissolved (pCi/L)	62.82	30.13332	37.8	49.6	94.45	30.1	101	5
Gross Gamma-Dissolved (pCi/L)	638	906.3498	65	210	1425	10	2200	5
Iron-Dissolved (mg/L)	0.015		0.015	0.015	0.015	0.015	0.015	5
Iron-Total (mg/L)	2.26	0.042426		2.26		2.23	2.29	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	1.32	3.201094	-1.05	0.5	4.1	-2.6	6.2	5
Lead 210-Suspended (pCi/L)	2.52	4.032617	0.5	0.5	5.55	0.5	9.7	5
Lead 210-Total (pCi/L)	6.25	8.131728		6.25		0.5	12	2
Magnesium-Dissolved (mg/L)	13.64	1.550161	12.15	13.9	15	11.9	15.8	5
Manganese-Dissolved (mg/L)	0.078	0.004472	0.075	0.08	0.08	0.07	0.08	5
Manganese-Total (mg/L)	0.08			0.08		0.08	0.08	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	5
Mercury-Total (mg/L)	0.00025	0.000229	0.000075	0.0001	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Molybdenum-Total (mg/L)	0.005			0.005		0.005	0.005	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	5
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2

POWERTECH (USA) INC.

Well #4002								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.06	0.022361	0.05	0.05	0.075	0.05	0.1	5
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Oxidation-Reduction Potential (mV)	193.3333	55.07571	140	190	250	140	250	3
pH	7.832	0.131605	7.73	7.83	7.935	7.65	8.02	5
Polonium 210-Dissolved (pCi/L)	0.72	0.801249	0.25	0.5	1.3		2.1	5
Polonium 210-Suspended (pCi/L)	0.42	0.178885	0.3	0.5	0.5	0.1	0.5	5
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	2
Potassium-Dissolved (mg/L)	7.26	0.114018	7.15	7.3	7.35	7.1	7.4	5
Radium 226-Dissolved (pCi/L)	57.42	4.516857	53.25	57	61.8	52.3	63.6	5
Radium 226-Suspended (pCi/L)	16.225	15.94707	2.175	13.9	32.6	0.1	37	4
Radium 226-Total (pCi/L)	71.05	11.80868		71.05		62.7	79.4	2
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	8893.333	945.1102	8010	8780	9890	8010	9890	3
Selenium-Dissolved (mg/L)	0.0009	0.000894	0.0005	0.0005	0.0015	0.0005	0.0025	5
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.44	1.524139	5.2	6.9	7.45	3.8	7.6	5
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	191.6	15.85244	176	197	204.5	170	211	5
Sodium Adsorption Ratio (SAR) (meq/L)	6.733333	0.057735	6.7	6.7	6.8	6.7	6.8	3
Solids-Total Dissolved Calculated (mg/L)	781.6	61.58977	716.5	799	838	716	842	5
Solids-Total Dissolved TDS @ 180 C (mg/L)	818	23.87467	795	820	840	790	850	5
Strontium-Total (mg.L)	0.85	0.070711		0.85		0.8	0.9	2
Sulfate (mg/L)	455	8.717798	449	453	462	448	470	5
TDS Balance (0.80 - 1.20) (dec.%)	1.05	0.089443	0.96	1.06	1.135	0.94	1.15	5
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.28	0.258844	0.05	0.2	0.55		0.6	5
Thorium 230-Suspended (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	5
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	2
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	5
Uranium-Dissolved (mg/L)	0.00254	0.000134	0.00245	0.0026	0.0026	0.0023	0.0026	5
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	5
Uranium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	5
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	5
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

POWERTECH (USA) INC.

Well #7002				
Analyte	**9/28/2007 17:48**	**11/12/2007 8:10**	**2/20/2008 8:30**	**5/29/2008 10:44**
A/C Balance (± 5) (%)	-4.65	2.47	-5.62	7.56
Alkalinity-Total as CaCO3 (mg/L)	280	250	260	254
Aluminum-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Ammonia (mg/L)	0.3	0.3	0.2	0.2
Anions (meq/L)	26.3	26.9	28	26.5
Antimony-Total (mg/L)			<0.003	<0.003
Arsenic-Dissolved (mg/L)	0.001	0.001	0.001	<0.001
Arsenic-Total (mg/L)			0.001	0.004
Barium-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Barium-Total (mg/L)			<0.1	<0.1
Beryllium-Total (mg/L)			<0.001	<0.001
Bicarbonate as HCO3 (mg/L)	341	305	317	310
Boron-Dissolved (mg/L)	<0.1	<0.1	<0.1	<0.1
Boron-Total (mg/L)			<0.1	<0.1
Cadmium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Cadmium-Total (mg/L)			<0.005	<0.005
Calcium-Dissolved (mg/L)	206	237	213	264
Carbonate as CO3 (mg/L)	<5	<5	<5	<5
Cations (meq/L)	23.9	28.2	25	30.9
Chloride (mg/L)	10	11	9	9
Chromium-Dissolved (mg/L)	<0.05	<0.05	<0.05	<0.05
Chromium-Total (mg/L)			<0.05	<0.05
Conductivity @ 25 C (umhos/cm)	2200	2210	2420	2480
Copper-Dissolved (mg/L)	<0.01	<0.01	<0.01	<0.01
Copper-Total (mg/L)			<0.01	<0.01
Fluoride (mg/L)	0.2	0.2	0.5	0.3
Gross Alpha-Dissolved (pCi/L)	45.6	39.8	91.4	29.5
Gross Beta-Dissolved (pCi/L)	29.7	34.1	41.4	28.4
Gross Gamma-Dissolved (pCi/L)	1200	1600	370	
Iron-Dissolved (mg/L)	<0.03	0.25	0.28	0.06
Iron-Total (mg/L)			1.25	1.32
Lead 210-Dissolved (pCi/L)	<1	<1	13	-0.6
Lead 210-Suspended (pCi/L)	<1	<1	7.9	-1.1
Lead-Dissolved (mg/L)	<1			
Lead-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Magnesium-Dissolved (mg/L)			<0.001	<0.001
Manganese-Dissolved (mg/L)	77.7	90.4	81.7	103
Manganese-Total (mg/L)	0.39	0.37	0.38	0.41
Mercury-Dissolved (mg/L)			0.37	0.4
Mercury-Total (mg/L)	<0.001	<0.001	<0.001	<0.001
Molybdenum-Dissolved (mg/L)	<0.0002	<0.001	<0.001	<0.0001
Molybdenum-Total (mg/L)	<0.1	<0.1	<0.1	<0.1
Nickel-Dissolved (mg/L)			<0.01	<0.1
Nickel-Total (mg/L)	<0.05	<0.05	<0.05	<0.05
Nitrogen, Nitrate as N (mg/L)			<0.05	<0.05
Nitrogen, Nitrite as N (mg/L)	<0.1	<0.1	<0.1	<0.1

POWERTECH (USA) INC.

Well #7002				
Analyte	**9/28/2007 17:48**	**11/12/2007 8:10**	**2/20/2008 8:30**	**5/29/2008 10:44**
Oxidation-Reduction Potential (mV)	<0.1	<0.1	<0.1	<0.1
pH		190	170	230
Polonium 210-Dissolved (pCi/L)	7.29	7.22	7.56	7.36
Polonium 210-Suspended (pCi/L)	1.3	4.1	<1	0.1
Potassium-Dissolved (mg/L)	<1	<1	<1	0.2
Radium 226-Dissolved (pCi/L)	<1			
Radium 226-Suspended (pCi/L)	19.9	22.2	21	21.7
Radon 222-Total (pCi/L)	8.5	8.1	8.8	8
Selenium-Dissolved (mg/L)	<0.2	<0.2	<0.9	
Selenium-IV-Dissolved (mg/L)	6.3			
Selenium-Total (mg/L)		938	752	1270
Selenium-VI-Dissolved (mg/L)	0.001	<0.001	0.001	<0.001
Silica-Dissolved (mg/L)		<0.001	<0.001	<0.001
Silver-Dissolved (mg/L)			<0.001	<0.001
Silver-Total (mg/L)		<0.001	<0.001	<0.001
Sodium Adsorption Ratio (SAR) (meq/L)	7.3	8.2	7.8	3.4
Sodium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Solids-Total Dissolved Calculated (mg/L)			<0.005	<0.005
Solids-Total Dissolved TDS @ 180 C (mg/L)		2.7	2.4	2.6
Strontium-Total (mg.L)	152	192	162	197
Sulfate (mg/L)	1620	1750	1750	1780
TDS Balance (0.80 - 1.20) (dec.%)	1900	1900	1900	1800
Thallium-Total (mg/L)			6.6	7.7
Thorium 230-Dissolved (pCi/L)	1160	1040	1080	1020
Thorium 230-Suspended (pCi/L)	1.19	1.09	1.07	1.03
Thorium 232-Dissolved (pCi/L)			<0.001	<0.001
Uranium-Dissolved (mg/L)	<0.2	<0.2	<0.2	0.1
Uranium-Suspended (mg/L)	<0.2	<0.2	<0.2	
Uranium-Total (mg/L)	<0.2			
Vanadium-Dissolved (mg/L)	<0.005	<0.005	<0.005	<0.005
Zinc-Dissolved (mg/L)	0.0007	0.0006	0.0006	0.0005
Zinc-Total (mg/L)	<0.0003	<0.0003	<0.0003	<0.0003

POWERTECH (USA) INC.

Well #7002								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
A/C Balance (±5) (%)	-0.06	6.230222	-5.3775	-1.09	6.2875	-5.62	7.56	4
Alkalinity-Total as CaCO3 (mg/L)	261	13.31666	251	257	275	250	280	4
Aluminum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Ammonia (mg/L)	0.25	0.057735	0.2	0.25	0.3	0.2	0.3	4
Anions (meq/L)	26.925	0.758837	26.35	26.7	27.725	26.3	28	4
Antimony-Total (mg/L)	0.0015			0.0015		0.0015	0.0015	2
Arsenic-Dissolved (mg/L)	0.000875	0.00025	0.000625	0.001	0.001	0.0005	0.001	4
Arsenic-Total (mg/L)	0.0025	0.002121		0.0025		0.001	0.004	2
Barium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Barium-Total (mg/L)	0.05			0.05		0.05	0.05	2
Beryllium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Bicarbonate as HCO3 (mg/L)	318.25	15.94522	306.25	313.5	335	305	341	4
Boron-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Boron-Total (mg/L)	0.05			0.05		0.05	0.05	2
Cadmium-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Cadmium-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Calcium-Dissolved (mg/L)	230	26.26785	207.75	225	257.25	206	264	4
Carbonate as CO3 (mg/L)	2.5		2.5	2.5	2.5	2.5	2.5	4
Cation/Anion Balance (%)								
Cations (meq/L)	27	3.175951	24.175	26.6	30.225	23.9	30.9	4
Chloride (mg/L)	9.75	0.957427	9	9.5	10.75	9	11	4
Chromium-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Chromium-Total (mg/L)	0.025			0.025		0.025	0.025	2
Conductivity @ 25 C (umhos/cm)	2327.5	143.6141	2202.5	2315	2465	2200	2480	4
Copper-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Copper-Total (mg/L)	0.005			0.005		0.005	0.005	2
Fluoride (mg/L)	0.3	0.141421	0.2	0.25	0.45	0.2	0.5	4
Gross Alpha-Dissolved (pCi/L)	51.575	27.37205	32.075	42.7	79.95	29.5	91.4	4
Gross Beta-Dissolved (pCi/L)	33.4	5.864583	28.725	31.9	39.575	28.4	41.4	4
Gross Gamma-Dissolved (pCi/L)	792.5	735.9065	92.5	785	1500		1600	4
Iron-Dissolved (mg/L)	0.15125	0.13319	0.02625	0.155	0.2725	0.015	0.28	4
Iron-Total (mg/L)	1.285	0.049497		1.285		1.25	1.32	2
Lead-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Lead-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Lead 210-Dissolved (pCi/L)	3.35	6.454198	-0.325	0.5	9.875	-0.6	13	4
Lead 210-Suspended (pCi/L)	1.95	4.037739	-0.7	0.5	6.05	-1.1	7.9	4
Lead 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Magnesium-Dissolved (mg/L)	88.2	11.20089	78.7	86.05	99.85	77.7	103	4
Manganese-Dissolved (mg/L)	0.3875	0.017078	0.3725	0.385	0.405	0.37	0.41	4
Manganese-Total (mg/L)	0.385	0.021213		0.385		0.37	0.4	2
Mercury-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	4
Mercury-Total (mg/L)	0.00024	0.000238	0.00005	0.0001	0.0005	0.00005	0.0005	5
Molybdenum-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Molybdenum-Total (mg/L)	0.0275	0.03182		0.0275		0.005	0.05	2
Nickel-Dissolved (mg/L)	0.025		0.025	0.025	0.025	0.025	0.025	4
Nickel-Total (mg/L)	0.025			0.025		0.025	0.025	2

POWERTECH (USA) INC.

APPENDIX 2.7-J

TVA GROUNDWATER QUALITY DATA

Table C-1. Historic Water-Quality Data From Well #2

Analyte	6/15/1979	10/6/1980	1/16/1981	4/6/1981	7/6/1981	10/19/1981	4/12/1982	7/26/1982	4/11/1983	4/17/1984
Alkalinity (mg/L)	200	229	218	220	218	210	220	242	220	218
Arsenic (mg/L)	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	0.021	<0.005	<0.005	<0.005
Bicarbonate as HCO3 (mg/L)	171	229	218	220	218	210	220	242	220	218
Boron (mg/L)	<1									
Calcium (mg/L)	50	60	86	91	64	63	46	49	51	50
Carbonate (mg/L)	36									
Cation/Anion Balance (%)	-67.8								0.8	2.86
Chlorine (mg/L)	16	5.5	9	10	10	9	10	8	11	10
Conductivity (umhos)	1450	1525	1530	1475	1520	1505	1590	1560	1570	1750
hardness (mg/L)	203	233	234	226	220	240	184	190	192	192
Iron (mg/L)	0.34	0.45	0.95	0.32	0.48	6.4	0.5	0.8	1.3	1.19
Lead (mg/L)	<0.05	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	19	20	16	20	22	20	16	15	15	16
Manganese (mg/L)	0.14	0.1	0.28	0.1	0.1	0.25	0.15	0.1	0.09	0.09
Nitrogen (mg/L)	1.5	<0.1	0.21	0.13	<0.1	0.49	0.15	<0.1	1.39	0.94
pH	8.2	7.74	7.57	7.67	7.89	7.16	7.69	7.78	7.69	7.63
Phosphate (mg/L)	<0.01	<0.03	<0.03	<0.03	0.03	0.08	0.069	0.06	0.04	<0.03
Potassium (mg/L)	16	15	16.6	16	13	16	15	14	14	14
Radium 226 (pCi/L)					1.04		1.26	0.09		0.5
Selenium (mg/L)	<0.01								297	
Silicon (mg/L)	7.3	4.44	<1	9.4	6.42	8.6	<2	9.2	8.7	9.73
Sodium (mg/L)	288	269	251	264	280	244	306	300	297	318
Sulfate (mg/L)	604	415	536	556	556	626	580	582	574	590
Total Dissolved Solids (mg/L)	1113	1030	1004	1039	1052	1008	1038	1062	1010	1074
Total Suspended Solids (mg/L)	1.6	1	1	<1	<1	22	<1	<1	3	5
Uranium (ug/L)					0.007		1.6	0.4		
Vanadium (mg/L)	<0.05									
Zinc (mg/L)	0.01	0.005	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.005

Table C-2. Historic Water-Quality Data From Well #7

Analyte	6/15/1979	8/10/1979	9/12/1979
Alkalinity (mg/L)	191		171
Arsenic (mg/L)	<0.01		<0.01
Bicarbonate as HCO3 (mg/L)	159		37
Boron (mg/L)	<1		<1
Calcium (mg/L)	33		38
Carbonate (mg/L)	36		84
Cation/Anion Balance (%)	-73.2		-64.9
Chlorine (mg/L)	18		6
Conductivity (umhos)	1350		1325
hardness (mg/L)	153		182
Iron (mg/L)	0.48		0.5
Lead (mg/L)	<0.05		<0.05
Magnesium (mg/L)	17		21
Manganese (mg/L)	0.04		0.03
Nitrogen (mg/L)	2.3		0.39
pH	8.3		8.7
Phosphate (mg/L)	<0.01		<0.01
Potassium (mg/L)	15		14
Radium 226 (pCi/L)		1	
Selenium (mg/L)	<0.01		<0.01
Silicon (mg/L)	6.6		6.4
Sodium (mg/L)	307		277
Sulfate (mg/L)	600		600
Total Dissolved Solids (mg/L)	1104		1058
Total Suspended Solids (mg/L)	1.2		3.2
Uranium (ug/L)			
Vanadium (mg/L)	<0.05		<0.05
Zinc (mg/L)	0.08		0.08

Table C-3. Historic Water-Quality Data From Well #8

Analyte	6/15/1979	8/14/1979	9/12/1979	10/6/1980	1/6/1981	4/8/1981	7/6/1981	10/19/1981	4/12/1982	7/26/1982	4/11/1983	4/17/1984
Alkalinity (mg/L)	170	0	180	181	166	182	176	184	170	194	178	177
Arsenic (mg/L)	<0.01	0	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Bicarbonate as HCO3 (mg/L)	207	0	195	181	166	182	148	184	170	194	178	177
Boron (mg/L)	<1	0	<1	0	0	0	0	0	0	0	0	0
Calcium (mg/L)	52	0	58	52	74	79	55	55	59	60	54	60
Carbonate (mg/L)	0	0	12	0	0	0	28	0	0	0	0	0
Cation/Anion Balance (%)	-66.7	0	-64.1	0	0	0	0	0	0	0	0.03	3.71
Chlorine (mg/L)	16	0	16	9	9	12	12	13	11	8.5	12	12
Conductivity (umhos)	1285	0	1300	1450	1430	1375	1400	1380	1425	1390	1390	1410
hardness (mg/L)	233	0	243	229	264	216	218	220	248	232	260	266
Iron (mg/L)	0.71	0	0.13	0.25	0.46	0.26	0.15	0.3	0.25	0.17	0.26	0.25
Lead (mg/L)	<0.05	0	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	25	0	24	25	22	22	25	23	26	22	24	26
Manganese (mg/L)	0.11	0	0.08	0.08	0.23	0.09	0.07	0.13	0.14	0.08	0.09	0.1
Nitrogen (mg/L)	2.9	0	0.29	0.1	0.15	1.62	0.1	1.23	0.24	<0.1	0.81	0.17
pH	8.5	0	8.3	7.8	7.74	7.85	8.08	7.59	7.62	7.67	7.74	7.64
Phosphate (mg/L)	<0.01	0	<0.01	<0.03	<0.03	<0.03	0.03	0.03	<0.03	<0.03	0.03	<0.03
Potassium (mg/L)	18	0	19	16	18.9	18	14	18	19	17	18	17
Radium 226 (pCi/L)	0	1.9	0	0	0	0	1.27	0	1.37	1.44	0	1.6
Selenium (mg/L)	<0.01	0	<0.01	0	0	0	0	0	0	0	218	0
Silicon (mg/L)	6.6	0	4.9	3.6	<1	8.1	10.7	7.5	<2	5.8	6.7	7.23
Sodium (mg/L)	277	0	265	226	215	232	245	210	218	253	218	242
Sulfate (mg/L)	640	0	616	400	504	536	488	520	520	514	520	530
Total Dissolved Solids (mg/L)	1130	0	1106	918	942	972	974	904	904	964	860	942
Total Suspended Solids (mg/L)	4.8	0	0.4	1	2	4	1	1	2	<1	<1	5
Uranium (ug/L)	0	0	0	0	0	0	0.007	0	0.8	2.2	0	1
Vanadium (mg/L)	<0.05	0	<0.05	0	0	0	0	0	0	0	0	0
Zinc (mg/L)	0.01	0	0.01	0.005	<0.01	<0.01	<0.01	0.01	<0.03	<0.01	<0.03	<0.005

Table C-4. Historic Water-Quality Data From Well #13

Analyte	6/15/1979	8/16/1979	9/12/1979	10/7/1980	1/13/1981	4/6/1981	7/6/1981	10/19/1981	4/12/1982	7/26/1982	4/11/1983	4/17/1984
Alkalinity (mg/L)	160		170	180	176	166	167	183	169	196	168	172
Arsenic (mg/L)	<0.01		<0.01	<0.005	0.009	<0.005	<0.005	<0.005	<0.005	0.005	<0.005	<0.005
Bicarbonate as HCO3 (mg/L)	171		207	180	176	166	167	183	169	196	168	172
Boron (mg/L)	<1		<1									
Calcium (mg/L)	66		74	66	102	103	67	70	68	65	67	69
Carbonate (mg/L)	12											
Cation/Anion Balance (%)	-58.6		-54.7								4.84	3.57
Chlorine (mg/L)	16		14	9	9	12	11	9	11	8	11	11
Conductivity (umhos)	1200		1100	1290	1400	1275	1300	1280	1300	1310	1280	1275
hardness (mg/L)	284		304	298	248	262	264	268	268	274	266	276
Iron (mg/L)	1.61		1.38	4.3	8.1	1.18	0.6	2.3	1.6	1.65	1.8	1.62
Lead (mg/L)	<0.05		<0.05	<0.005	0.027	<0.005	<0.005	0.008	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	29		29	34	23	25	28	26	27	24	26	25
Manganese (mg/L)	0.13		0.09	0.14	0.45	0.08	0.09	0.13	0.15	0.1	0.09	0.1
Nitrogen (mg/L)	0.78		0.24	<0.1	0.69	<0.1	<0.1	0.52	0.11	<0.1	0.94	0.28
pH	8.1		8.1	7.69	7.79	7.94	7.86	7.5	7.48	7.55	7.75	7.63
Phosphate (mg/L)	<0.01		<0.01	<0.03	0.06	0.09	0.03	0.03	<0.03	0.03	0.03	<0.03
Potassium (mg/L)	15		14	14	16.2	15	11	16	15	15	15	15
Radium 226 (pCi/L)		2.1					2.01		2.98	2.37		1
Selenium (mg/L)	<0.01		<0.01								199	
Silicon (mg/L)	6.4		6.6	2.4	7.8	6.6	10.7	7.5	<2	7.1	7.4	7.85
Sodium (mg/L)	216		169	154	185	191	195	162	184	207	199	205
Sulfate (mg/L)	568		480	404	464	480	468	500	472	492	456	480
Total Dissolved Solids (mg/L)	1006		882	950	936	854	912	862	836	842	792	876
Total Suspended Solids (mg/L)	0.4		1.6	11	71	4	3	2	2	1	1	6
Uranium (ug/L)							0.004		0.6	2.5		1
Vanadium (mg/L)	<0.05		<0.05									
Zinc (mg/L)	<0.01		<0.01	0.03	0.3	<0.01	<0.01	<0.01	0.13	<0.01	<0.03	<0.005

Table C-5. Historic Water-Quality Data From Well #16

Analyte	7/22/1981	10/19/1981	4/12/1982
Alkalinity (mg/L)	157	156	144
Arsenic (mg/L)	0.005	<0.005	<0.005
Bicarbonate as HCO3 (mg/L)	157	156	144
Boron (mg/L)			
Calcium (mg/L)	130	130	128
Carbonate (mg/L)			
Cation/Anion Balance (%)			
Chlorine (mg/L)	7	7	6
Conductivity (umhos)	1150	1160	1175
hardness (mg/L)	540	520	528
Iron (mg/L)	0.25	0.12	0.05
Lead (mg/L)	<0.005	0.015	<0.005
Magnesium (mg/L)	55	51	54
Manganese (mg/L)	0.15	0.17	0.17
Nitrogen (mg/L)	<0.1	0.28	0.22
pH	7.32	7.31	7.39
Phosphate (mg/L)	<0.03	0.03	<0.03
Potassium (mg/L)	28	24	21
Radium 226 (pCi/L)	4.9		5.38
Selenium (mg/L)			
Silicon (mg/L)	14.27	7.5	<2
Sodium (mg/L)	55	45	50
Sulfate (mg/L)	510	494	488
Total Dissolved Solids (mg/L)	894	796	848
Total Suspended Solids (mg/L)	1	1	<1
Uranium (ug/L)	0.007		1.7
Vanadium (mg/L)			
Zinc (mg/L)	<0.01	0.05	0.07

Table C-6. Historic Water-Quality Data From Well #18

Analyte	8/6/1979	8/15/1979	9/12/1979	10/9/1980	1/8/1981	4/8/1981	7/1/1981	10/1/1981	4/13/1982	7/27/1982	4/11/1983	4/17/1984
Alkalinity (mg/L)	200		238	202	180	192	195	184	190	214	184	182
Arsenic (mg/L)	<0.01		<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	0.018	<0.005	<0.005	<0.005
Bicarbonate as HCO3 (mg/L)	195		168	202	180	162	195	184	190	214	184	182
Boron (mg/L)	<1		<1									
Calcium (mg/L)	37		39	35	44	53	38	38	19	40	38	37
Carbonate (mg/L)	24		60			30						
Cation/Anion Balance (%)	-75.4		-75.9								2.69	2.47
Chlorine (mg/L)	14		20	13	13	12	11	12	12	8	12	13
Conductivity (umhos)	1325		1300	1420	1370	1375	1410	1350	1400	1390	1420	1410
hardness (mg/L)	142		139	136	136	138	140	140	124	141	140	135
Iron (mg/L)	7.42		1.25	1.4	2.1	1.34	1.9	1.4	1.3	2.6	2.6	1.45
Lead (mg/L)	<0.05		<0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	12		10	15.5	12	13	14	13	7	12	14	13
Manganese (mg/L)	0.15		0.05	0.08	0.16	0.07	0.07	0.06	0.12	0.08	0.08	0.08
Nitrogen (mg/L)	0.87		0.28	0.34	0.35	0.39	0.25	1.4	0.36	<0.1	1.04	0.42
pH	8.4		8.3	7.88	7.98	8.02	7.82	7.77	7.81	7.69	7.89	7.75
Phosphate (mg/L)	<0.01		<0.01	<0.03	<0.03	<0.03	0.03	0.03	0.033	0.03	0.04	<0.03
Potassium (mg/L)	10		11	9	9.4	10	9	12	10	9	10	9
Radium 226 (pCi/L)		0.96					1.87		4.44	1.26		2.2
Radium 226 (pCi/L)										0.57		
Selenium (mg/L)	<0.01		<0.01								279	
Silicon (mg/L)	6.4		5.6	3	<1	7.4	2.14	6.4	<2	7.9	7.4	7.85
Sodium (mg/L)	281		325	287	263	266	280	252	137	287	279	280
Sulfate (mg/L)	525		570	538	504	468	520	510	520	530	506	506
Total Dissolved Solids (mg/L)	999		1118	926	948	974	898	876	906	922	908	520
Total Suspended Solids (mg/L)	3.6		0.4	1	3	4	4	2	2	2	1	5
Uranium (ug/L)		8					0.008		7.6	6.7		8
Vanadium (mg/L)	<0.05		<0.05									
Zinc (mg/L)	0.01		<0.01	<0.005	<0.01	<0.01	0.03	<0.01	<0.03	<0.01	<0.03	<0.005

Table C-7. Historic Water-Quality Data From Well #42

Analyte	8/6/1979	8/15/1979	9/12/1979	10/9/1980	1/8/1981	4/8/1981	7/22/1981	10/21/1981	4/13/1982	7/27/1982	4/11/1983
Alkalinity (mg/L)	180		180	198	188	189	192	179	186	204	188
Arsenic (mg/L)	<0.01		<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	0.025	<0.005	<0.005
Bicarbonate as HCO3 (mg/L)	171		195	198	188	165	192	179	186	204	188
Boron (mg/L)	<1		<1								
Calcium (mg/L)	47		49	39	48	54	38	39	36	42	37
Carbonate (mg/L)	24		12			24					
Cation/Anion Balance (%)	-75.1		-75.8								0.33
Chlorine (mg/L)	14		14	12	9	11	12	11	12	10.5	12
Conductivity (umhos)	1250		1200	1400	1360	1380	1400	1365	1400	1375	1400
hardness (mg/L)	138		147	142	140	142	144	140	148	146	164
Iron (mg/L)	0.61		0.63	0.25	1.5	0.42	0.55	0.4	0.5	0.84	0.38
Lead (mg/L)	<0.05		<0.05	0.026	<0.005	<0.005	<0.005	0.01	<0.005	<0.005	<0.005
Magnesium (mg/L)	5		6	16	13	13	14	13	13	13	11
Manganese (mg/L)	0.12		0.07	0.08	0.2	0.1	0.08	0.07	0.12	0.09	0.09
Nitrogen (mg/L)	0.52		0.05	0.38	0.28	0.17	<0.1	0.4	0.13	<0.1	0.84
pH	8.3		8.4	7.86	7.96	8	7.79	7.67	7.86	7.68	7.92
Phosphate (mg/L)	<0.01		<0.01	<0.03	<0.03	<0.03	<0.03	0.03	<0.03	0.03	<0.03
Potassium (mg/L)	10		10	10	9.4	10	9	12	10	10	10
Radium 226 (pC/L)		51					37.4		82.62	80.33	
Selenium (mg/L)	<0.01		<0.01								276
Silicon (mg/L)	6.4		5.8	3	1.7	6.6	4.81	7.5	<2	7.9	8
Sodium (mg/L)	274		286	282	260	266	280	252	264	283	276
Sulfate (mg/L)	525		560	576	504	498	520	520	520	514	516
Total Dissolved Solids (mg/L)	984		1033	920	964	964	910	906	903	916	888
Total Suspended Solids (mg/L)	4.8		5.2		2	8	2	1	<1	<1	<1
Uranium (ug/L)		7					0.02		13.6	12	
Vanadium (mg/L)	<0.05		<0.05								
Zinc (mg/L)	0.01		<0.01	0.01	<0.01	<0.01	0.01	0.01	<0.03	<0.01	<0.03

Table C-8. Historic Water-Quality Data From Well #4002

Analyte	9/12/1979	4/12/1982	7/26/1982	7/27/1982	4/11/1983	4/17/1984
Alkalinity (mg/L)	150	144	202		146	146
Arsenic (mg/L)	<0.01	<0.005	<0.005		<0.005	<0.005
Bicarbonate as HCO3 (mg/L)	134	144	202		146	146
Boron (mg/L)	<1					
Calcium (mg/L)	45	46	23		45	46
Carbonate (mg/L)	24					
Cation/Anion Balance (%)	-62.2				0.99	0.12
Chlorine (mg/L)	8	5	3		6	7
Conductivity (umhos)	1100	1195	1160		1160	1190
hardness (mg/L)	187	90	168		168	184
Iron (mg/L)	2.3	2.6	1.38		8.3	3.35
Lead (mg/L)	<0.05	<0.005	<0.005		<0.005	0.005
Magnesium (mg/L)	18	16	10		13	15
Manganese (mg/L)	0.06	0.14	0.1		0.09	0.1
Nitrogen (mg/L)	0.46	0.17	<0.1		0.67	0.91
pH	8.5	7.52	7.51		7.6	7.61
Phosphate (mg/L)	<0.01	0.033	<0.03		0.03	<0.03
Potassium (mg/L)	13	10	9		9	9
Radium 226 (pCi/L)		43.36	32.13	32.13		
Selenium (mg/L)	<0.01				212	
Silicon (mg/L)	5.1	<2	3.4		8	7.23
Sodium (mg/L)	191	198	226		212	197
Sulfate (mg/L)	440	448	427		450	440
Total Dissolved Solids (mg/L)	805	766	770		740	784
Total Suspended Solids (mg/L)	1.6	6	2		5	9
Uranium (ug/L)		2.1	5	5		
Vanadium (mg/L)	<0.05					
Zinc (mg/L)	0.01	<0.03	<0.01		<0.03	<0.005

Table C-9. Historic Water-Quality Data From Well #7002

Analyte	6/15/1979	9/12/1979	10/6/1980	1/6/1981	4/6/1981	7/6/1981	10/19/1981	4/12/1982	7/26/1982	4/11/1983	4/17/1984
Alkalinity (mg/L)	210	224	269	264	264	263	280	264	300	268	267
Arsenic (mg/L)	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.011	<0.005	<0.005
Bicarbonate as HCO3 (mg/L)	256	273	269	264	264	263	280	264	300	268	267
Boron (mg/L)	<1	<1									
Calcium (mg/L)	194	233	235	337	375	238	230	243	238	242	243
Carbonate (mg/L)											
Cation/Anion Balance (%)	-37.9	-39.3								0.55	3.52
Chlorine (mg/L)	16	16	6	9	10	9	8	9	6	9	10
Conductivity (umhos)	1925	2000	2500	2400	2400	2400	2400	2400	2400	2400	2500
hardness (mg/L)	1002	948	990	904	968	956	928	944	970	1020	928
Iron (mg/L)	3.56	2.48	2.5	3.38	2.55	2.1	2.7	2.5	2.47	5.8	2.16
Lead (mg/L)	<0.05	<0.05	<0.005	<0.005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Magnesium (mg/L)	126	89	95	72	96	100	93	98	90	90	109
Manganese (mg/L)	0.46	0.32	0.38	0.82	0.37	0.3	0.38	0.51	0.37	0.39	0.33
Nitrogen (mg/L)	1.6	0.29	<0.1	0.16	0.52	<0.1	1.01	0.15	<0.1	0.44	0.37
pH	7.8	8	7.27	7.33	7.59	7.63	7.14	7.21	7.26	7.3	7.26
Phosphate (mg/L)	<0.01	<0.01	0.03	<0.03	<0.03	0.03	0.03	0.045	<0.03	0.04	<0.03
Potassium (mg/L)	25	25	32	33	35	24	33	29	30	32	27
Radium 226 (pCi/L)								8.69	9.37		
Selenium (mg/L)	<0.01	<0.01								200	
Silicon (mg/L)	7.3	7.3	4.17	<1	7.4	8.83	8.6	<2	8.6	8.7	8.45
Sodium (mg/L)	181	191	172	181	193	201	180	210	195	200	192
Sulfate (mg/L)	1150	1105	800	973	1097	1107	987	973	1090	1107	1077
Total Dissolved Solids (mg/L)	1818	1793	1940	1822	1942	1970	1690	1780	1886	1820	1810
Total Suspended Solids (mg/L)	4	7.2	8	4	6	4	6	5	2	6	10
Uranium (ug/L)								0.2	2		10
Vanadium (mg/L)	<0.05	<0.05									
Zinc (mg/L)	<0.01	<0.01	0.005	<0.01	<0.01	<0.01	<0.01	<0.03	<0.01	<0.03	<0.005

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Well #7002								
Analyte	Mean	StDev	Q1	Median	Q3	Minimum	Maximum	n
Nitrogen, Nitrate as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Nitrogen, Nitrite as N (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Oxidation-Reduction Potential (mV)	196.6667	30.5505	170	190	230	170	230	3
pH	7.3575	0.1466	7.2375	7.325	7.51	7.22	7.56	4
Polonium 210-Dissolved (pCi/L)	1.5	1.8037	0.2	0.9	3.4	0.1	4.1	4
Polonium 210-Suspended (pCi/L)	0.425	0.15	0.275	0.5	0.5	0.2	0.5	4
Polonium 210-Total (pCi/L)	0.5			0.5		0.5	0.5	1
Potassium-Dissolved (mg/L)	21.2	0.996661	20.175	21.35	22.075	19.9	22.2	4
Radium 226-Dissolved (pCi/L)	8.35	0.369685	8.025	8.3	8.725	8	8.8	4
Radium 226-Suspended (pCi/L)	0.1625	0.197379	0.025	0.1	0.3625		0.45	4
Radium 226-Total (pCi/L)	6.3			6.3		6.3	6.3	1
Radium 226 (pCi/L)								
Radon 222-Total (pCi/L)	986.6667	262.4068	752	938	1270	752	1270	3
Selenium-Dissolved (mg/L)	0.00075	0.000289	0.0005	0.00075	0.001	0.0005	0.001	4
Selenium-IV-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Selenium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Selenium-VI-Dissolved (mg/L)	0.0005		0.0005	0.0005	0.0005	0.0005	0.0005	3
Silica-Dissolved (mg/L)	6.675	2.214159	4.375	7.55	8.1	3.4	8.2	4
Silver-Dissolved (mg/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Silver-Total (mg/L)	0.0025			0.0025		0.0025	0.0025	2
Sodium-Dissolved (mg/L)	175.75	22.12653	154.5	177	195.75	152	197	4
Sodium Adsorption Ratio (SAR) (meq/L)	2.566667	0.152753	2.4	2.6	2.7	2.4	2.7	3
Solids-Total Dissolved Calculated (mg/L)	1725	71.41428	1652.5	1750	1772.5	1620	1780	4
Solids-Total Dissolved TDS @ 180 C (mg/L)	1875	50	1825	1900	1900	1800	1900	4
Strontium-Total (mg.L)	7.15	0.777817		7.15		6.6	7.7	2
Sulfate (mg/L)	1075	61.91392	1025	1060	1140	1020	1160	4
TDS Balance (0.80 - 1.20) (dec.%)	1.095	0.068069	1.04	1.08	1.165	1.03	1.19	4
Thallium-Total (mg/L)	0.0005			0.0005		0.0005	0.0005	2
Thorium 230-Dissolved (pCi/L)	0.1		0.1	0.1	0.1	0.1	0.1	4
Thorium 230-Suspended (pCi/L)	0.075	0.05	0.025	0.1	0.1		0.1	4
Thorium 230-Total (pCi/L)	0.1			0.1		0.1	0.1	1
Thorium 232-Dissolved (pCi/L)	0.0025		0.0025	0.0025	0.0025	0.0025	0.0025	4
Uranium-Dissolved (mg/L)	0.0006	8.16E-05	0.000525	0.0006	0.000675	0.0005	0.0007	4
Uranium-Suspended (mg/L)	0.00015		0.00015	0.00015	0.00015	0.00015	0.00015	4
Uranium-Total (mg/L)	0.00055	7.07E-05		0.00055		0.0005	0.0006	2
Vanadium-Dissolved (mg/L)	0.05		0.05	0.05	0.05	0.05	0.05	4
Zinc-Dissolved (mg/L)	0.005		0.005	0.005	0.005	0.005	0.005	4
Zinc-Total (mg/L)	0.005			0.005		0.005	0.005	2

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APPENDIX 2.8-A

SUBMITTED METHODOLOGY

6.0 VEGETATION BASELINE STUDIES

6.1 INTRODUCTION

The baseline vegetation study will cover the Dewey-Burdock permit area. The project area may contain all or some of the following four native vegetation community types: upland grassland, ponderosa pine woodland, riparian, and wetland. Field work was conducted in the summer of 2007. Table 6-1 shows the mapping acreages.

Table 6-1. Vegetation Map Units and Associated Acreages

Vegetation Map Units	Proposed Permit Area Acreage
Upland Grassland	To be determined
Ponderosa Pine Woodland	
Riparian	
Wetland	
Total	**9,400**

Vegetation baseline study monitoring will be conducted using the procedures described in this document. Vegetation parameter sampling will be conducted by vegetation community type as specified in Table 6-2. For purposes of this methodology, "project area" will be the same as "study or permit area."

Table 6-2. Vegetation Baseline Sampling—Measured Parameters

Parameter	Upland Grassland	Ponderosa Pine Woodland	Riparian	Wetland[a]
% Absolute Total Ground Cover	Yes	Yes	Yes	No
First Hit % Absolute Total Vegetation Cover	Yes	Yes	Yes	No
Multiple Hit Vegetation	Yes	Yes	Yes	No
Shrub/Subshrub Density	Yes	Yes	Yes	No
Production	No	No	No	No
Tree Count and Distribution	No	Yes	No	No

(a) Wetlands will not be sampled as part of the baseline study but will be included under U.S. Army Corps of Engineers (US ACE) delineation requirements.

6.2 VEGETATION COMMUNITY CLASSIFICATION AND MAPPING

The baseline project area will be classified and mapped before commencing vegetation sampling. Preliminary mapping and classification, based on aerial photography, has identified the four following plant communities:

1. Upland grassland
2. Ponderosa pine woodland
3. Riparian
4. Wetland.

Plant communities will be further mapped using color infra-red (CIR) aerial photography and verified through field survey. Disturbed areas within the project will also be identified and mapped, if possible, based on the scale of available mapping. Disturbed areas will be excluded, however, from all vegetation parameter sampling. All areas within ½ mile of the project area will be mapped, based on a review of CIR aerial photography and known expression of photography within the project area. It will not be necessary to field verify this mapping within a ½ mile nor will vegetation sampling be conducted.

6.3 TRANSECT ORIGIN SELECTION

A computerized systematic grid (through AutoCAD or ArcGIS) will be used to randomly locate sample points within each vegetation community. These computer-generated random numbers will be uploaded to a hand-held GPS unit for actual location in the field. Sample points will be sampled in numerical order until the minimum sample size is attained and then until either sample adequacy is met or the required maximum number of samples is collected.

6.4 LINE TRANSECT LAYOUT

A 50-meter line transect will be used in the three vegetation communities to be sampled; i.e., upland grassland, ponderosa pine woodland, and riparian. Each 50-meter line transect will begin at its specified random origin point and extend in a randomly generated compass direction.

Transects that exceed the boundaries of the vegetation community being sampled will be redirected back into its vegetation community at a 90-degree angle from the original transect direction at the point of intercept. In instances where a 90-degree angle of reflection does not place the transect within the sampled community, a 45-degree angle of reflection will be used.

6.5 GROUND COVER

Line-transect point-intercept methods will be used to collect percent absolute cover data from the three vegetation communities. In the upland grassland, ponderosa pine woodland, and riparian communities, each 50-meter transect will represent a single sample point. Percent cover measurements will be taken from point-intercepts at 1-meter intervals along a 50-meter transect using a laser pointer. Should a transect run out of the vegetation community boundary or a nonvegetated feature, it will be redirected as described above. Each point-intercept will represent 2 percent toward cover measurements.

Percent cover measurements will record "first-hit" point-intercepts by live foliar vegetation species, litter, rock, or bare ground. Litter will include all organic material that is dead, including manure. Rock fragments will be recorded when they are equal to or greater than 2 centimeters in size (i.e., sheet flow, minimum nonerodible particle size). First-hit data will be recorded and tabulated to evaluate total ground cover and total vegetation cover. Multiple hits on vegetation will be recorded but used only for the purpose of constructing a plant species list for each plant community. Total ground cover is the sum of cover values for percent vegetation, percent litter, and percent rock.

6.6 TOTAL VEGETATION COVER

Vegetation cover data will be recorded by species using first-hit data. All point intercepts of living vegetation and growth produced during the current growing season will be counted toward total vegetation cover. Total vegetation cover measurements will be expressed in absolute percentages for each sample point. Relative cover values for percent species cover will be provided. Percent vegetation cover is the vertical projection of the general outline of plants to the ground surface. Total vegetation cover will include moss.

6.7 TOTAL GROUND COVER

Total ground cover data will be recorded by live vegetation, litter, rock, or bare ground. Litter will include all dead organic matter and manure that is recognizable as well as lichen and moss. Total ground cover measurements will be expressed in absolute percentages for each sample point.

6.8 SPECIES DIVERSITY

The total number of plant species within a 1×50-meter belt transect will be summarized for each vegetation type.

6.9 PRODUCTION

No production sampling will be necessary for the 2007 baseline vegetation assessment.

6.10 SHRUB DENSITY

Shrub density data will be collected in conjunction with randomly selected cover transects, wherever possible. All shrubs, full, half, or sub, will be counted within 50 centimeters on either side of the 50-meter cover transect (1-meter×50-meter belt transect). Sample adequacy will not be calculated on shrub density transects; however, shrub density data will be qualitatively evaluated. The number of belt transects will equal the number of cover transects for a given vegetation type. No shrub height measurements will be collected.

6.11 TREE DENSITY

Within the ponderosa pine woodland vegetation community, tree density will be estimated by gridding the aerial photograph for the project area and counting the number of ponderosa pine per unit area, based on a small number of randomly selected grid intervals. In addition, a range of age distribution will be determined using nondestructive techniques, such as correlating known measures of age and height, or age and diameter at breast height (DBH), or ring counts from recent timber harvest stumps and logs.

Within other vegetation communities, individual ponderosa pine or other tree species found will be directly counted for numbers. Height and DBH may be more appropriate in these vegetation types based on lack of downed timber, such as is present in the ponderosa pine woodland.

6.12 SAMPLE ADEQUACY

A minimum of 20 cover transects per vegetation type will be sampled in upland grassland, ponderosa pine woodland, and riparian communities. Sample adequacy will be calculated and an incremental number of cover transects will be sampled up to the maximum of 50.

Minimum and maximum sample sizes are listed in Table 6-3. The following sample adequacy formula will be utilized to determine the minimum required size of the sample population:

$$n_{min} \geq \frac{2(sz)^2}{(dx)^2} \qquad (6\text{-}1)$$

where:

n_{min} = minimum number of sampled line transects needed to adequately represent native vegetation types

s = sample standard deviation

z = the z statistic

d = the amount of reduction desired

x = sample mean for cover.

Table 6-3. Vegetation Monitoring Minimum/Maximum Sample Population Requirements for Upland Grassland, Ponderosa Pine Woodland, and Riparian Communities

Vegetation Community	Parameter	Sample Size	
		Minimum	Maximum
Upland Grassland	Ground Cover	20	50
	Vegetation Cover		
	Shrub Density		
Ponderosa Pine Woodland	Ground Cover	20	50
	Vegetation Cover		
	Shrub Density		
Riparian	Ground Cover	20	50
	Vegetation Cover		
	Shrub Density		
	Vegetation Cover		
	Shrub Density		
Total		**60**	**150**

The three vegetation communities have been identified as "grassland" or "shrubland." Upland grassland is identified as grassland while the ponderosa pine woodland and riparian communities are identified as shrublands. The constant values to be used in statistical test are: z=1.28 and d=0.1 for grasslands. The shrubland values are z=0.84 and d=0.2. All sampled vegetation will be included in the sample adequacy test (i.e., "undesirable" species will not be eliminated from the equation).

6.13 PLANT SPECIES LIST

A vegetation species list by scientific name, common name, and lifeform will be developed individually for each of the three vegetation communities. This list will be compiled from species noted during all vegetation monitoring activities, including point-intercept line transect cover measurements and other opportunistic observations of the sampling area.

6.14 OTHER DATA COLLECTED

Any United States Fish and Wildlife Service (US FWS) threatened or candidate species or any state species of special concern listed in the South Dakota Natural Heritage database will be surveyed and any known location identified on the map. Table 6-4 lists the threatened and candidate species along with their habitat and flowering dates. Table 6-5 lists the species of special concern along with their habitats and flowering dates. All state-listed noxious weed will be noted and significant concentrations identified on the vegetation baseline report map.

Photographs will be taken of the vegetation communities. Photographic locations will be documented and illustrated on a map.

6.15 EXTENDED REFERENCE AREA MAPPING AND JUSTIFICATION

As noted in the Vegetation Community Classification and Mapping section (Section 6.2), all lands within the project area are to be mapped as one of three plant community types. Upland grassland, ponderosa pine woodland, and riparian areas unaffected by the mining operation will serve as an Extended Reference Area (EXREFA). Wetlands will not be sampled under baseline evaluation but included in US ACE delineation. For the purposes of this study, EXREFA means a native land unit which will be used to evaluate revegetation success for each of the same native plant communities which was affected by the mining operation. The EXREFA will be a subset of the mapped native communities and will be included as potential sample points for the cover sampling program. The EXREFA will remain unaffected over the course of the mining operation and will be as large as practical, at least 2 acres, considering land ownership patterns and land management history. The permit application will show the EXREFA on the vegetation map and will include text justifying the choice of the EXREFA.

Table 6-4. Threatened and Candidate Species to Be Sampled

Scientific Name	Common Name	Flowering Date	Habitat	Classification
Botrychium campestre	Prairie Moonwort	May–Early June	Dry prairies and sand dunes, as well as sandy, dry disturbed sites, such as roadsides and old fields	Not ranked (under review)
Botrychium lineare	Moonwort Grape-Fern	May–Early June	Meadows with tall grasses and forbs, beneath trees in wooded areas, on north-facing limestone cliff shelves, and in streamside edges	Not ranked
Botrychium multisided	Leathery Grape-fern	May–Early June	Savannah, prairie, meadow, field	Not ranked (under review)
Carex alopecoidea	Tawny Sedge	July	Seasonally saturated soils in wet meadows, openings in alluvial woods, stream banks, particularly on calcareous substrates	S2
Cypripedium parviflorum	Lesser Yellow Lady's Slipper	May–June	Bogs, shady swamps, wet woods	Not ranked (under review)
Eleocharis elliptica	Elliptic Spikerush	June–August	Very wet, calcareous (or brackish) shores, pool margins, fens, meadows, prairies	Not ranked
Epipactis gigantea	Stream Orchid	April–July	Ledges, stream, river banks	S1
Lycopodium complanatum	Ground Cedar	Unknown	Dry open coniferous or mixed forest alpine slopes	S1
Platanthera orbiculata	Round-Leaved Orchid	July	Moderate moisture; woods, forests; in rich soil	S2
Salix candida	Sage Willow	April–May	Cold, open fens, swamps and bogs	S1
Salix serissima	Autumn Willow	Unknown	Swamp, marsh, bog, fen, lakeshores	S1
Sanguinaria canadensis	Bloodroot	March–April	Rich, deciduous, upland and floodplain woods	S4
Viburnum opulus var. americana	American Cranberrybush	May–July	Cool woods, thickets, rocky shores, slopes	Not ranked (under review)
Viola selkirkii	Great-Spurred Violet	April–June	Cold areas	S1

Table 6-5. Species of Special Concern to Be Sampled

Scientific Name	Common Name	Flowering Date	Habitat	Classification
Adianthum capillus-veneris	Southern Maidenhair-Fern	June–August	Moist, well-drained sand; loam or limestone	S1
Carex bella	Elegant Sedge	June–August	Moist subalpine meadows	S1
Eleocharis rostellata	Beaked Spikerush	July–September	Saline or alkaline wetlands	S1
Gentiana affinis	Northern Gentian	Unknown	Moist	S2
Listera convallarioides	Broad-Lipped Twayblade	June–August	Moist woods	S1
Lycopodium annotinum	Bristly Clubmoss	Unknown	Swampy or moist coniferous forests, mountain forests, and exposed grassy or rocky sites	S1
Oxyria digyna	Mountain Sorrel	June–September	Gravel bars, mudflats, tundra, scree slopes, crevices in rock outcrops, talus slopes	S1
Petasites sagittatus	Sweet-Coltsfoot	May–June	Wet, forests, meadows	S1
Polystichum lonchitis	Northern Holly-Fern	Unknown	Woodland, rocky bluff	S1
Salix lucida	Shining Willow	April–May	Steam and swamp banks, fens, beaches, met meadows, mud flats	S1

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APPENDIX 2.8-B

VEGETATION SPECIES SUMMARY

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			Vegetation Community				
Code	Scientific Name	Common Name	Big Sagebrush Shrubland	Cottonwood Gallery	Greasewood Shrubland	Ponderosa Pine Woodland	Upland Grassland
Cool Season Perennial Grasses							
AGRCRI	*Agropyron cristatum*	crested wheatgrass	X	X	X		X
BROINE	*Bromus inermis*	smooth brome		X	X		
CARFIL	*Carex filifolia*	threadleaf sedge	X		X	X	X
CARGEY	*Carex geyeri*	Geyer's sedge				X	
CARSTE	*Carex stenophylla*	needleleaf sedge	X		X		
ELYCAN	*Elymus canadensis*	Canada wildrye				X	
ELYCIN	*Elymus cinereus*	basin wildrye			X		
ELYELY	*Elymus elymoides*	bottlebrush squirreltail	X				
ELYHIS	*Elymus hispidus*	intermediate wheatgrass			X		
ELYLAN	*Elymus lanceolatus*	thickspike wheatgrass	X		X	X	
ELYSMI	*Elymus smithii*	western wheatgrass	X	X	X	X	X
ELYTRA	*Elymus trachycaulus*	slender wheatgrass			X		
HESCOM	*Hesperostipa comata*	needleandthread	X			X	X
HORJUB	*Hordeum jubatum*	foxtail barley			X		
KOEMAC	*Koeleria macrantha*	prairie junegrass	X			X	
NASVIR	*Nassella viridula*	green needlegrass			X	X	
SCHPAN	*Schedonnardus panniculatus*	common tumblegrass			X		
PHLALP	*Phleum alpinum*	alpine timothy			X		
POAPRA	*Poa pratensis*	Kentucky bluegrass		X	X	X	
POASEC	*Poa secunda*	Sandberg bluegrass	X		X	X	X
Warm Season Perennial Grasses							
ARISPP	*Aristida* spp.	Threeawn	X		X		
ARIPUR	*Aristida purpurea*	purple threeawn	X				X
ARIPUR	*Aristida purpurea var. fendleriana*	Fendler's threeawn				X	
BOUCUR	*Bouteloua curtipendula*	sideoats grama	X			X	X
BOUGRA	*Bouteloua gracilis*	blue grama	X		X	X	X
BUCDAC	*Buchloe dactyloides*	buffalograss	X		X	X	X
DISSTR	*Distichlis stricta*	inland saltgrass		X	X		
SCHSCO	*Schizachyrium scoparium*	little bluestem	X			X	
SPOAIR	*Sporobolus airoides*	alkali sacaton			X		
SPOCRY	*Sporobolus cryptandrus*	sand dropseed			X		
	Species observed but not sampled						

POWERTECH (USA) INC.

			Vegetation Community				
Code	Scientific Name	Common Name	Big Sagebrush Shrubland	Cottonwood Gallery	Greasewood Shrubland	Ponderosa Pine Woodland	Upland Grassland
Warm Season Perennial Grasses continued							
PANVIR	*Panicum virgatum*	switchgrass	X	X	X		X
Annual Grasses							
BROJAP	*Bromus japonicus*	Japanese brome	X	X	X	X	X
BROTEC	*Bromus tectorum*	cheatgrass	X	X	X	X	X
HORPUS	*Hordeum pusillum*	little barley	X		X		X
VULOCT	*Vulpia octoflora*	sixweeks fescue			X		X
Annual Forbs							
ALYDES	*Alyssum desertorum*	desert alyssum	X		X	X	X
ATRPAT	*Atriplex patula*	spear saltbush	X		X		X
BASSIE	*Bassia sieversiana*	summer cypress		X	X		
BORAGE	*Boraginaeceae* spp.	borage species	X		X	X	
CAMMIC	*Camelina microcarpa*	littleseed falseflax	X		X		X
CHEALB	*Chenopodium album*	lambsquarters goosefoot	X	X	X	X	
CHEBER	*Chenopodium berlandieri*	pitseed goosefoot	X	X	X	X	
CHELEP	*Chenopodium leptophyllum*	narrowleaf goosefoot	X				
CHOTEN	*Chorispora tenella*	crossflower		X		X	
CRYSPP	*Cryptantha* spp.	cryptantha	X		X		
DESPIN	*Descurainia pinnata*	pinnate tansymustard	X	X	X	X	
DESSOP	*Descurainia sophia*	flixweed tansymustard	X	X	X	X	
DRANEM	*Draba nemorosa*	yellow draba			X	X	X
GERVIS	*Geranium viscosissimum*	sticky purple geranium				X	
HEDHIS	*Hedeoma hispidum*	rough false pennyroyal	X		X	X	X
HELANN	*Helianthus annuus*	annual sunflower				X	
LAPRED	*Lappula redowski*	beggars-tick	X	X	X	X	
LEPDEN	*Lepidium densiflorum*	prairie peppergrass	X		X	X	X
LEPPER	*Lepidium perfoliatum*	clasping peppergrass			X		X
LINAUS	*Linum australe*	southern flax	X				X
LINPUB	*Linum puberulum*	plains flax	X				
LUPUS	*Lupinus pusillus*	rusty lupine	X				
MICGRA	*Microsteris gracilis*	slender phlox				X	
	Species observed but not sampled						

POWERTECH (USA) INC.

			Vegetation Community				
Code	Scientific Name	Common Name	Big Sagebrush Shrubland	Cottonwood Gallery	Greasewood Shrubland	Ponderosa Pine Woodland	Upland Grassland
Annual Forbs continued							
MONUT	*Monolepis nuttalliana*	Nuttall's povertyweed	X		X		
OROMUL	*Orobanche multiflora*	manyflower broomrape	X				
PLAPAT	*Plantago patagonica*	Pursh's plantain	X		X	X	X
POLAVI	*Polygonum aviculare*	prostrate knotweed			X	X	
SALTRA	*Salsola tragus*	Russian thistle		X	X		
SISALT	*Sisymbrium altissimum*	tumbling hedgemustard	X	X	X		
SOLROS	*Solanum rostratum*	buffalobur nightshade					X
SOLTRI	*Solanum triflorum*	cutleaf nightshade			X		
THLARV	*Thlaspi arvense*	field pennycress	X	X	X	X	X
Biennial Forbs							
IPOAGG	*Ipomopsis aggregata*	scarlet gilia	X				
MELOFF	*Melilotus officinalis*	yellow sweetclover	X		X	X	X
TRADUB	*Tragopogon dubius*	yellow salsify	X		X	X	X
Perennial Forbs							
ACHMIL	*Achillea millefolium*	common yarrow		X			
ALLSPP	*Allium* spp.	onion	X		X		
ALLTEX	*Allium textile*	prairie onion	X		X	X	
AMBPSI	*Ambrosia psilostachya*	western ragweed			X		X
ANTMIC	*Antennaria microphylla*	little-leaf pussytoes	X			X	
ANTPAR	*Antennaria parvifolia*	small-leaf pussytoes				X	
ASCSPE	*Asclepias speciosa*	showy milkweed		X			
CALNUT	*Calochortus nuttallii*	sego mariposalily	X				
CAMROT	*Campanula rotundifolia*	harebell				X	
CERSPP	*Cerastium* spp.	chickweed	X				
CIRCAN	*Circaea canadensis*	broadleaf enchanter's nightshade			X		
CIRARV	*Cirsium arvense*	Canada thistle		X			
CIRSPP	*Cirsium* spp	thistle	X				
COMUMB	*Comandra umbellata*	common bastardtoadflax	X			X	
CONARV	*Convolvulus arvensis*	field bindweed			X		
CRESPP	*Crepis* spp.	hawksbeard	X				
	Species observed but not sampled						

POWERTECH (USA) INC.

			Vegetation Community				
Code	Scientific Name	Common Name	Big Sagebrush Shrubland	Cottonwood Gallery	Greasewood Shrubland	Ponderosa Pine Woodland	Upland Grassland
Perennial Forbs continued							
DALCAN	*Dalea candida*	white prairie-clover					X
DALENN	*Dalea ennandra*	nineanther prairie-clover				X	
DALPUR	*Dalea purpurea*	purple prairie-clover	X				
ECHANG	*Echinacea angustifolia*	purple coneflower					X
EREHOO	*Eremogone hookeri*	Hooker sandwort	X			X	
ERISPP	*Erigeron* spp	fleabane	X			X	
GAISPP	*Gaillardia* spp.	blanketflower				X	
GAUCOC	*Gaura coccinea*	scarlet gaura	X				
GRISQU	*Grindelia squarrosa*	curlycup gumweed	X			X	
HELPAU	*Helianthus pauciflorus*	stiff sunflower					X
HELSPP	*Helianthus* spp.	sunflower	X	X			
HESPUM	*Hesperochiron pumilus*	dwarf hesperochiron	X				
HETVIL	*Heterotheca villosa*	goldenaster	X			X	
LIAPUN	*Liatris punctata*	dotted blazingstar	X			X	
MACSPP	*Machaeranthera* spp.	tansyaster	X				
PEDARG	*Pediomelum argophyllum*	silverleaf scurfpea	X				X
PENSPP	*Penstemon* spp.	penstemon	X			X	
PHLMUL	*Phlox multiflora*	flowery phlox				X	
PHLSPP	*Phlox* spp.	phlox	X		X	X	X
PSOSPP	*Psoralidium* spp.	scurfpea	X				
PSOTEN	*Psoralidium tenuiflorum*	slimflower scurfpea				X	
PTESPP	*Pterospora* spp.	pinedrops				X	
SPHCOC	*Sphaeralcea coccinea*	scarlet globemallow	X		X	X	X
THERHO	*Thermopsis rhombifolia*	prairie thermopsis	X			X	
VICAME	*Vicia americana*	American vetch	X			X	X
WOOORE	*Woodsia oregana var. cathcartiana*	Oregon cliff fern				X	
Perennial Half and Sub-shrubs							
ARTFRI	*Artemisia frigida*	fringed sagewort	X	X	X	X	X
ARTLUD	*Artemisia ludoviciana*	Louisiana sagewort				X	
GUTSAR	*Gutierrezia sarothrae*	broom snakeweed	X			X	X
ROSARK	*Rosa arkansana*	prairie rose				X	
	Species observed but not sampled						

POWERTECH (USA) INC.

			Vegetation Community				
Code	Scientific Name	Common Name	Big Sagebrush Shrubland	Cottonwood Gallery	Greasewood Shrubland	Ponderosa Pine Woodland	Upland Grassland
Perennial Half and Sub-shrubs continued							
YUCGLA	*Yucca glauca*	yucca (small soapweed)				X	
Perennial Shrubs							
ARTCAN	*Artemisia cana*	silver sagebrush		X	X	X	
ARTTRI	*Artemisia tridentata*	big sagebrush	X	X	X	X	X
CHRVIS	*Chrysothamnus viscidflorus*	Douglas rabbitbrush				X	
ERINAU	*Ericameria nauseosa*	rubber rabbitbrush		X	X	X	
SARVER	*Sarcobatus vermiculatus*	greasewood	X	X	X		
SYMOCC	*Symphoricarpos occidentalis*	western snowberry		X			
Succulents							
CORSPP	*Coryphantha* spp.	ball cactus	X				
OPUPOL	*Opuntia polyacantha*	plains prickly pear	X		X	X	X
PEDSIM	*Pediocactus simpsonii*	mountain ball cactus	X				
Trees							
JUNSCO	*Juniperus scopulorum*	Rocky Mountain juniper				X	
PINPON	*Pinus ponderosa*	ponderosa pine				X	
POPDEL	*Populus deltoides*	plains cottonwood		X			
Lichens and Moss							
LICSPP	*Lichen* spp.	lichen	X		X	X	X
MOSSPP	*Moss* spp.	moss			X	X	
	Species observed but not sampled						

POWERTECH (USA) INC.

APPENDIX 2.8-C

VEGETATION COVER SUMMARIES

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Cover Summary

Site Id: BS
Name: Baseline
Comm. Type/Form: Big Sagebrush
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Point Intercept
Sample Size: 50 Meter Transect
Number of Samples: 27
Report Date: 1-14-08

Species	Cover Mean Absolute	Cover Relative (%)	Std. Dev. n-1	Frequency Absolute	Frequency Relative (%)	I.V.	Rank
Cool Season Perennial Grasses							
Carex filifolia	3.56	7.76	6.14	48.15	7.39	15.14	5
Carex stenophylla	0.07	0.15	0.38	3.70	0.57	0.72	15
Elymus lanceolatus	0.07	0.15	0.38	3.70	0.57	0.72	15
Elymus smithii	3.78	8.24	3.82	70.37	10.80	19.03	4
Hesperostipa comata	0.89	1.94	2.03	18.52	2.84	4.78	11
Poa secunda	0.96	2.09	2.03	25.93	3.98	6.07	8
Sub-total	9.33	20.33					
Warm Season Perennial Grasses							
Aristida purpurea	0.15	0.33	0.53	7.41	1.14	1.46	15
Bouteloua curtipendula	0.22	0.48	0.85	7.41	1.14	1.62	14
Bouteloua gracilis	11.19	24.38	7.45	88.89	13.64	38.02	1
Buchloe dactyloides	9.63	20.98	10.47	77.78	11.93	32.92	2
Panicum virgatum	0.07	0.15	0.38	3.70	0.57	0.72	15
Sub-total	21.26	46.33					
Annual Grasses							
Bromus japonicus	2.81	6.12	3.56	55.56	8.52	14.65	6
Bromus tctorum	1.85	4.03	2.98	40.74	6.25	10.28	7
Sub-total	4.66	10.15					
Annual Forbs							
Alyssum desertorum	0.22	0.48	0.85	7.41	1.14	1.62	14
Camelina microcarpa	0.07	0.15	0.38	3.70	0.57	0.72	15
Hedeoma hispidum	0.07	0.15	0.38	3.70	0.57	0.72	15
Lappula redowski	0.07	0.15	0.38	3.70	0.57	0.72	15
Lepidium densiflorum	0.30	0.65	0.72	11.11	1.70	2.36	13
Linum australe	0.07	0.15	0.38	3.70	0.57	0.72	15
Plantago patagonica	0.07	0.15	0.38	3.70	0.57	0.72	15
Sub-total	0.87	1.90					
Perennial Forbs							
Calochortus nuttallii	0.07	0.15	0.38	3.70	0.57	0.72	15
Phlox spp.	0.07	0.15	0.38	3.70	0.57	0.72	15
Sphaeralcea coccinea	0.37	0.81	1.11	11.11	1.70	2.51	12
Sub-total	0.51	1.11					
Perennial Sub-Shrubs							
Artemisia frigada	1.04	2.27	1.25	22.22	3.41	5.68	9
Gutierrezia sarothrae	0.15	0.33	0.27	7.41	1.14	1.46	15
Sub-total	1.19	2.59					
Perennial Shrubs							
Artemisia tridentata	7.26	15.82	5.82	92.59	14.20	30.03	3
Sub-total	7.26	15.82					
Perennial Succulants							
Opuntia polyacantha	0.81	1.77	0.89	22.22	3.41	5.17	10
Sub-total	0.81	1.77					
Total Vegetation	45.89		13.09				
Lichen	1.26		2.30				
Moss	0.07		0.38				
Litter/Rock	38.52		19.27				
Total Ground Cover	85.78		6.59				
Bare Soil	14.07		6.50				
Total Cover	99.85						
Species Abundance (No. of Species/Sample)	27						

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Cover Summary

Site Id: GW
Name: Baseline
Comm. Type/Form: Greasewood Shrubland
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Point Intercept
Sample Size: 50 Meter Transect
Number of Samples: 37
Report Date: 1-14-08

Species	Cover Mean Absolute	Cover Relative (%)	Std. Dev. n-1	Frequency Absolute	Frequency Relative (%)	I.V.	Rank
Cool Season Perennial Grasses							
Agropyron cristatum	0.49	1.32	2.64	5.41	0.97	2.29	15
Bromus inermis	0.22	0.59	0.79	8.11	1.46	2.05	17
Carex filifolia	0.27	0.73	1.07	8.11	1.46	2.18	16
Carex stenophylla	0.11	0.30	0.66	2.70	0.48	0.78	22
Elymus hispidus	0.05	0.13	0.33	2.70	0.48	0.62	23
Elymus lanceolatus	0.22	0.59	1.03	5.41	0.97	1.56	19
Elymus smithii	8.65	23.31	8.47	89.19	16.02	39.33	1
Hordeum jubatum	0.05	0.13	0.33	2.70	0.48	0.62	23
Poa secunda	0.16	0.43	0.73	5.41	0.97	1.40	20
Schedonnardus panniculatus	0.05	0.13	0.33	2.70	0.48	0.62	23
Sub-total	10.27	27.67					
Warm Season Perennial Grasses							
Artistida spp.	0.05	0.13	0.33	2.70	0.48	0.62	23
Bouteloua gracilis	3.84	10.35	6.10	43.24	7.77	18.11	3
Buchloe dactyloides	3.57	9.62	5.97	45.95	8.25	17.87	4
Distichlis stricta	0.97	2.61	3.93	10.81	1.94	4.56	11
Sporobolus airoides	0.54	1.46	1.68	13.51	2.43	3.88	12
Sporobolus cryptandrus	0.05	0.13	0.33	2.70	0.48	0.62	23
Sub-total	9.02	24.31					
Annual Grasses							
Bromus japonicus	0.22	0.59	0.64	10.81	1.94	2.53	14
Bromus tectorum	1.62	4.37	3.43	29.73	5.34	9.71	5
Sub-total	1.84	4.96					
Annual Forbs							
Bassia sieveriana	1.68	4.53	4.15	21.62	3.88	8.41	8
Camelina microcarpa	0.05	0.13	0.33	2.70	0.48	0.62	23
Chenopodium album	0.16	0.43	0.55	8.11	1.46	1.89	18
Chenopodium berlandieri	0.05	0.13	0.33	2.70	0.48	0.62	23
Cryptantha spp.	0.05	0.13	0.33	2.70	0.48	0.62	23
Descurainia pinnata	0.11	0.30	0.46	5.41	0.97	1.27	21
Lappula redowski	0.22	0.59	0.79	8.11	1.46	2.05	17
Lepidium densiflorum	0.16	0.43	0.73	5.41	0.97	1.40	20
Lepidium perfoliatum	0.27	0.73	0.96	8.11	1.46	2.18	16
Monolepis nuttalliana	0.38	1.02	1.14	13.51	2.43	3.45	13
Plantago patagonica	0.65	1.75	1.89	16.22	2.91	4.66	10
Salsola tragus	0.05	0.13	0.33	2.70	0.48	0.62	23
Sub-total	3.83	10.32					
Perennial Forbs							
Ambrosia psilostachya	0.05	0.13	0.33	2.70	0.48	0.62	23
Convolvulus arvensis	0.05	0.13	0.33	2.70	0.48	0.62	23
Sphaeralcea coccinea	0.05	0.13	0.33	2.70	0.48	0.62	23
Sub-total	0.15	0.40					
Perennial Shrubs							
Artemisia cana	0.59	1.59	1.32	18.92	3.40	4.99	9
Artemisia tridentata	1.57	4.23	3.66	24.32	4.37	8.60	7

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Cover Summary

Site Id: GW
Name: Baseline
Comm. Type/Form: Greasewood Shrubland
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Point Intercept
Sample Size: 50 Meter Transect
Number of Samples: 37
Report Date: 1-14-08

	Cover			Frequency			
Species	Mean Absolute	Relative (%)	Std. Dev. n-1	Absolute	Relative (%)	I.V.	Rank
Perennial Shrubs continued							
Sarcobatus vermiculatus	8.49	22.88	8.79	86.49	15.53	38.41	2
Sub-total	10.65	28.70					
Perennial Succulants							
Opuntia polyacantha	1.35	3.64	1.45	29.73	5.34	8.98	6
Sub-total	1.35	3.64					
Total Vegetation	37.11		10.88				
Lichen	0.48		1.52				
Moss	0.06		0.33				
Litter/Rock	42.54		23.85				
Total Ground Cover	80.19		13.47				
Bare Soil	18.70		13.37				
Total Cover	98.89						
Species Abundance (No. of Species/Sample)	37						

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Cover Summary

Site Id: PP
Name: Baseline
Comm. Type/Form: Ponderosa Pine Woodland
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Point Intercept
Sample Size: 50 Meter Transect
Number of Samples: 37
Report Date: 1-14-08

Species	Cover Mean Absolute	Cover Relative (%)	Std. Dev. n-1	Frequency Absolute	Frequency Relative (%)	I.V.	Rank
Cool Season Perennial Grasses							
Carex filifolia	0.11	0.32	0.66	2.70	0.56	0.88	15
Carex geyeri	4.59	13.37	5.49	56.76	11.87	25.24	2
Elymus lanceolatus	0.05	0.15	0.33	2.70	0.56	0.71	16
Elymus smithii	1.24	3.61	1.96	37.84	7.91	11.52	6
Hesperostipa comata	0.16	0.47	0.73	2.70	0.56	1.03	14
Nassella viridula	0.11	0.32	0.46	5.41	1.13	1.45	13
Poa secunda	0.38	1.11	1.69	5.41	1.13	2.24	11
Sub-total	6.64	19.34					
Warm Season Perennial Grasses							
Andropogon scoparius	0.81	2.36	1.52	24.32	5.08	7.44	7
Aristida purpurea var. fendleriana	0.81	2.36	1.73	24.32	5.08	7.44	7
Bouteloua curtipendula	1.68	4.89	2.93	35.14	7.35	12.24	5
Bouteloua gracilis	4.05	11.80	4.58	62.16	12.99	24.79	3
Buchloe dactyloides	0.32	0.93	0.88	13.51	2.82	3.76	9
Sub-total	7.67	22.34					
Annual Grasses							
Bromus japonicus	0.22	0.64	0.63	10.81	2.26	2.90	10
Bromus tectorum	0.05	0.15	0.33	2.70	0.56	0.71	16
Sub-total	0.27	0.79					
Annual Forbs							
Chenopodium berlandieri	0.05	0.15	0.33	2.70	0.56	0.71	16
Draba nemorosa	0.05	0.15	0.33	2.70	0.56	0.71	16
Lappula redowski	0.05	0.15	0.33	2.70	0.56	0.71	16
Sub-total	0.15	0.44					
Biennial Forbs							
Melilotus officinalis	0.05	0.15	0.33	2.70	0.56	0.71	16
Sub-total	0.05	0.15					
Perennial Forbs							
Antennaria parvifolia	0.05	0.15	0.33	2.70	0.56	0.71	16
Erigeron spp.	0.11	0.32	0.66	2.70	0.56	0.88	15
Liatris punctata	0.05	0.15	0.33	2.70	0.56	0.71	16
Thermopsis rhombifolia	0.16	0.47	0.99	2.70	0.56	1.03	14
Vicia americana	0.05	0.15	0.33	2.70	0.56	0.71	16
Sub-total	0.42	1.22					
Perennial Sub-Shrubs							
Artemisia frigada	0.22	0.64	0.63	10.81	2.26	2.90	10
Sub-total	0.22	0.64					
Perennial Shrubs							
Artemisia cana	0.16	0.47	0.99	2.70	0.56	1.03	14
Artemisia tridentata	0.54	1.57	1.12	21.62	4.52	6.09	8
Sub-total	0.70	2.04					

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Cover Summary

Site Id: PP
Name: Baseline
Comm. Type/Form: Ponderosa Pine Woodland
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Point Intercept
Sample Size: 50 Meter Transect
Number of Samples: 37
Report Date: 1-14-08

Species	Cover Mean Absolute	Cover Relative (%)	Std. Dev. n-1	Frequency Absolute	Frequency Relative (%)	I.V.	Rank
Perennial Succulants							
Opuntia polyacantha	0.16	0.47	0.55	8.11	1.70	2.16	12
Sub-total	0.16	0.47					
Perennial Trees							
Juniperus scopulorum	2.59	7.54	4.52	32.43	6.78	14.32	4
Pinus ponderosa	15.46	45.03	10.79	91.89	19.21	64.24	1
Sub-total	18.05	52.58					
Total Vegetation	34.33		10.51				
Lichen	0.54		1.30				
Moss	0.38		1.14				
Litter/Rock	53.57		24.32				
Total Ground Cover	88.82		7.68				
Bare Soil	10.54		7.74				
Total Cover	99.36						
Species Abundance (No. of Species/Sample)	29						

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DEWEY-BURDOCK PROJECT
Report: Cover Summary

Site Id: UG
Name: Baseline
Comm. Type/Form: Upland Grassland
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Point Intercept
Sample Size: 50 Meter Transect
Number of Samples: 30
Report Date: 1-14-08

	Cover			Frequency			
Species	Mean Absolute	Relative (%)	Std. Dev. n-1	Absolute	Relative (%)	I.V.	Rank
Cool Season Perennial Grasses							
Agropyron cristatum	0.47	1.02	1.63	10.00	2.04	3.06	9
Carex filifolia	3.33	7.24	5.57	50.00	10.20	17.44	5
Elymus smithii	8.53	18.54	7.82	80.00	16.33	34.86	3
Hesperostipa comata	0.33	0.72	1.30	6.67	1.36	2.08	11
Poa secunda	0.07	0.15	0.37	3.33	0.68	0.83	13
Sub-total	12.73	27.66					
Warm Season Perennial Grasses							
Bouteloua gracilis	12.47	27.10	9.82	90.00	18.37	45.46	2
Buchloe dactyloides	12.80	27.81	9.88	90.00	18.37	46.18	1
Sub-total	25.27	54.91					
Annual Grasses							
Bromus japonicus	0.07	0.15	0.37	3.33	0.68	0.83	13
Bromus tectorum	4.07	8.84	5.26	53.33	10.88	19.73	4
Sub-total	4.14	9.00					
Annual Forbs							
Alyssum desertorum	0.67	1.46	1.60	16.67	3.40	4.86	7
Lepidium densiflorum	0.20	0.43	0.81	6.67	1.36	1.80	12
Thlaspi arvense	0.67	1.46	2.31	13.33	2.72	4.18	8
Sub-total	1.54	3.35					
Perennial Forbs							
Sphaeralcea coccinea	0.20	0.43	0.61	10.00	2.04	2.48	10
Sub-total	0.20	0.43					
Perennial Sub-Shrubs							
Artemisia frigada	0.07	0.15	0.37	3.33	0.68	0.83	13
Sub-total	0.07	0.15					
Perennial Succulants							
Opuntia polyacantha	2.07	4.50	2.49	53.33	10.88	15.38	6
Sub-total	2.07	4.50					
Total Vegetation	46.02		13.76				
Lichen	1.80		4.11				
Litter/Rock	41.13		20.69				
Total Ground Cover	88.95		6.07				
Bare Soil	11.07		5.94				
Total Cover	100.02						
Species Abundance (No. of Species/Sample)	15						

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Cover Summary

Site Id: CG
Name: Baseline
Comm. Type/Form: Cottonwood Gallery
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Point Intercept
Sample Size: 50 Meter Transect
Number of Samples: 26
Report Date: 1-14-08

	Cover			Frequency			
Species	Mean Absolute	Relative (%)	Std. Dev. n-1	Absolute	Relative (%)	I.V.	Rank
Cool Season Perennial Grasses							
Bromus inermis	18.23	29.12	16.76	92.31	24.49	53.61	1
Elymus smithii	16.46	26.29	15.60	88.46	23.47	49.76	2
Sub-total	34.69	55.41					
Warm Season Perennial Grasses							
Distichlis stricta	0.23	0.37	1.18	3.85	1.02	1.39	10
Sub-total	0.23	0.37					
Annual Grasses							
Bromus japonicus	0.08	0.13	0.39	3.85	1.02	1.15	11
Bromus tectorum	0.69	1.10	1.95	15.38	4.08	5.18	6
Sub-total	0.77	1.23					
Annual Forbs							
Bassia sieveriana	9.77	15.60	15.98	53.85	14.29	29.89	4
Chenopodium album	1.38	2.20	2.76	26.92	7.14	9.35	5
Descurainia sophia	0.08	0.13	0.39	3.85	1.02	1.15	11
Lappula redowski	0.08	0.13	0.39	3.85	1.02	1.15	11
Sub-total	11.31	18.06					
Perennial Forbs							
Achillea millefolium	0.08	0.13	0.39	3.85	1.02	1.15	11
Cirsium arvense	1.38	2.20	6.66	7.69	2.04	4.24	7
Sub-total	1.46	2.33					
Perennial Shrubs							
Artemisia cana	0.15	0.24	0.54	7.69	2.04	2.28	8
Sarcobatus vermiculatus	0.08	0.13	0.39	3.85	1.02	1.15	11
Symphoricarpos occidentalis	0.54	0.86	2.75	3.85	1.02	1.88	9
Sub-total	0.77	1.23					
Perennial Trees							
Populus deltoides	13.38	21.37	20.28	57.69	15.30	36.68	3
Sub-total	13.38	21.37					
Total Vegetation	62.61		15.29				
Lichen	0.00		0.00				
Litter/Rock	35.00		12.83				
Total Ground Cover	97.62		4.16				
Bare Soil	2.38		4.16				
Total Cover	100.00						
Species Abundance (No. of Species/Sample)	15						

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APPENDIX 2.8-D

VEGETATION DENSITY SUMMARIES

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Density Summary

Site Id: BS
Name: Baseline
Comm. Type/Form: Big Sagebrush
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Transect
Sample Size: 50 Meter Transect
Number of Samples: 27
Report Date: 1-14-08

	Mean (Number/Plot)	Relative Density	Std. Dev. n-1 (Number/Plot)	Mean (Number/sq.m.)	Mean (Number/Acre)
Full Shrubs					
Artemisia tridentata	24.26	53.65	14.83	0.49	1,964.33
Sub-Total	24.26	53.65		0.49	1,964.33
Sub-Shrubs & Half-Shrubs					
Artemisia frigada	20.52	45.38	40.21	0.41	1,661.50
Gutierrezia sarothrae	0.44	0.97	1.15	0.01	35.63
Sub-Total	20.96	46.35		0.42	1,697.13
Total	45.22	100.00		0.90	3,661.46

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Density Summary

Site Id: GW
Name: Baseline
Comm. Type/Form: Greasewood Shrubland
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Transect
Sample Size: 50 Meter Transect
Number of Samples: 37
Report Date: 1-14-08

	Mean (Number/Plot)	Relative Density	Std. Dev. n-1 (Number/Plot)	Mean (Number/sq.m.)	Mean (Number/Acre)
Full Shrubs					
Artemisia cana	3.81	11.91	9.89	0.08	308.50
Artemisia tridentata	5.59	17.48	12.13	0.11	452.62
Ericameria nauseosa	0.22	0.69	1.32	0.00	17.81
Sarcobatus vermiculatus	22.22	69.48	20.88	0.44	1,799.15
Sub-Total	31.84	99.56		0.64	2,578.08
Sub-Shrubs & Half-Shrubs					
Artemisia frigida	0.14	0.44	0.48	0.003	11.34
Sub-Total	0.14	0.44		0.003	11.34
Total	31.98	100.00		0.64	2,589.42

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Density Summary

Site Id: PP
Name: Baseline
Comm. Type/Form: Ponderosa Pine Woodland
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Transect
Sample Size: 50 Meter Transect
Number of Samples: 37
Report Date: 1-14-2008

	Mean (Number/Plot)	Relative Density	Std. Dev. n-1 (Number/Plot)	Mean (Number/sq.m.)	Mean (Number/Acre)
Full Shrubs					
Artemisia cana	2.11	13.96	12.82	0.04	170.85
Artemisia tridentata	4.14	27.38	7.05	0.08	335.22
Chrysothamnus viscidflorus	0.22	1.46	0.67	0.004	17.81
Ericameria nauseosa	0.14	0.93	0.54	0.003	11.34
Sub-Total	6.61	43.72		0.13	535.21
Sub-Shrubs & Half-Shrubs					
Artemisia frigada	6.92	45.77	16.08	0.14	560.31
Gutierrezia sarothrae	1.51	9.99	5.86	0.03	122.26
Rosa arkansana	0.03	0.20	0.33	0.001	2.43
Yucca glauca	0.05	0.33	0.16	0.001	4.05
Sub-Total	8.51	56.28		0.17	689.05
Total	15.12	100.00		0.30	1,224.27

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Density Summary

Site Id: UG
Name: Baseline
Comm. Type/Form: Upland Grassland
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Transect
Sample Size: 50 Meter Transect
Number of Samples: 30
Report Date: 1-14-08

	Mean (Number/Plot)	Relative Density	Std. Dev. n-1 (Number/Plot)	Mean (Number/sq.m.)	Mean (Number/Acre)
Full Shrubs					
Artemisia tridentata	0.13	20.63	0.43	0.003	10.53
Sub-Total	0.13	20.63		0.003	10.53
Sub-Shrubs & Half-Shrubs					
Artemisia frigada	0.47	74.60	2.56	0.01	38.06
Gutierrezia sarothrae	0.03	4.76	0.18	0.00	2.43
Sub-Total	0.50	79.37		0.01	40.49
Total	0.63	100.00		0.01	51.01

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Density Summary

Site Id: CG
Name: Baseline
Comm. Type/Form: Cottonwood Gallery
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Transect
Sample Size: 50 Meter Transect
Number of Samples: 26
Report Date: 1-14-08

	Mean (Number/Plot)	Relative Density	Std. Dev. n-1 (Number/Plot)	Mean (Number/sq.m.)	Mean (Number/Acre)
Full Shrubs					
Artemisa cana	0.5	7.13	1.12	0.01	40.49
Artemisia tridentata	0.04	0.57	0.19	0.00	3.24
Ericameria nauseosa	0.04	0.57	0.19	0.00	3.24
Sarcobatus vermiculatus	0.08	1.14	0.27	0.00	6.48
Symphoricarpos occidentalis	6.35	90.58	31.73	0.13	514.16
Sub-Total	7.01	100.00		0.14	567.60
Total	7.01	100.00		0.14	567.60

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APPENDIX 2.8-E

PONDEROSA PINE WOODLAND TREE DENISTY SUMMARY

POWERTECH (USA) INC

POWERTECH (USA) INC
DEWEY-BURDOCK PROJECT
Report: Density Summary

Site Id: PP
Name: Baseline
Comm. Type/Form: Ponderosa Pine Woodland
Sample Date:7-2-2007 to 7-12-2007

Sample Method: Transect
Sample Size: 50 Meter Transect
Number of Samples: 37
Report Date: 1-14-2008

	Std. Dev. n-1 (Number/Plot)	Mean (Number/sq.m.)	Mean (Number/Acre)
Trees			
Pinus ponderosa	15.10	0.019	75.88
Sub-Total		0.019	75.88
Total		0.019	75.88

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APPENDIX 2.8-F

WETLAND PHOTOGRAPHS

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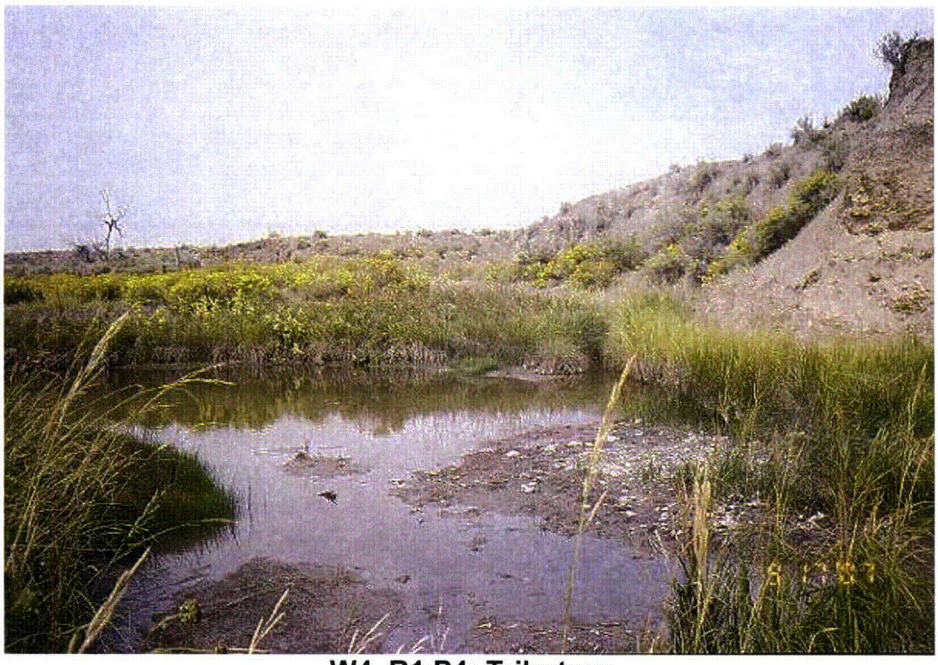
W1, R1 P1: Depression, non-wetland

W3, R1 P12: Upstream, non-wetland

W3, R1 P13: Downstream, non-wetland

W4, R1 P2: Upstream, wetland

W4, R1 P3: Downstream, wetland



W4, R1 P4: Tributary

Wpt. 3, R1 P6: Upstream, wetland

Wpt. 3, R1 P7: Downstream, wetland

Wpt. 4, R1 P8: Upstream, wetland

Wpt. 4, R1 P9: Downstream, wetland

W5, R1 P5: Upland, non-wetland

W6, R1 P16: View of the drainage

W7, R1 P17: Upstream, wetland

W7, R1 P18: Downstream

W8, R1 P19: Upstream, wetland

W8, R1 P20: Downstream, wetland

W9, R1 P23: Upstream depression, wetland

W9, R1 P24: Downstream depression, wetland

W10, R2 P1: Downstream, wetland

W10, R2 P2: Upstream, wetland

W11, R2 P3: West

W11, R2 P4: East

W12, R2 P5: West, non-wetland

W12, R2 P6: East, non-wetland

W14, R2 P7: Upstream, wetland

W14, R2 P8: Downstream, wetland

W14, R2 P9: General area of PEMC

W15, R2 P12: Upstream, wetland

W15, R2 P13: Downstream, wetland

Wpt. 22, R2, P14: Upstream wetland

Wpt. 22, R2, P15: Downstream, wetland

W16, R2 P18: Upstream, wetland

W16, R2 P19: Downstream, wetland

W17, R2 P22: Upstream, non-wetland

W17, R2 P23: Downstream, non-wetland

Wpt. 26, R2 P24: Similar to W18, wetland

W18, R3 P1: Upstream, wetland

W18, R3 P2: Downstream, wetland

W19, R3 P3: Northwest, non-wetland

W19, R3 P4: East, non-wetland

Wpt. 27, R3 P5: Drainage, non-wetland

Wpt. 29, R3 P6: Depression, non-wetland

Wpt. 29, R3 P7: Depression, non-wetland

W20, R3 P8: Upstream, wetland

W20, R3 P9: Downstream, wetland

W21, R3 P10: Upstream, wetland

W21, R3 P11: Downstream, wetland

W21, R3 P12: Bridge

W22, R3 P13: Upstream, wetland

W22, R3 P14: Downstream, wetland