Table 1
Groundwater Analytical Results
Dimock, Pa
BE Project No.09-2607-0

Sample Location	Ex. 6 - Personal Privacy					Ex. 6 - Personal Privacy						TB-Day 1	TB Day 2	rSHS	nrSHS	EPA MCL
Sampling Date	1/20/2010	1/21/2010	1/21/2010	1/21/2010	1/20/2010	1/21/2010	1/20/2010	1/20/2010	1/20/2010	1/21/2010	1/21/2010	1/19/2010	1/19/2010			
VOCs by Method 8260B (ug/l)																
Toluene	ND	ND	ND	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	1000	100000	1000
TIC VOCs by Method 8260B (ug/l)																
Propane	ND	ND	ND	ND	ND	ND	ND	ND	13	ND	ND	ND	ND			
SVOC by Method 8270C (ug/l) were not detected																
TIC SVOC by Method 8270C (ug/l)*																
Total Tics unknown	6.89	6.76	12.8	16.2	12.4	15.1	15.3	17.7	ND	ND	ND	ND	ND			
Tributyl Phosphate	ND	ND	ND	ND	8.95	ND	ND	ND	ND	ND	ND	ND	ND			
RSK SOP-175 (ug/l)																
Ethane	480	ND	160	520	460	0.51	54	81	1800	620	ND					
Methane	9800	ND	3100	9000	9900	21	3100	1600	370000	170000	ND					
General Chemistry by Various Methods (mg/l)																
Bicarbonate Alkalinity	74	96	110	120	52	130	110	110	110	120	ND					
Total Dissolved Solids (TDS)	110	130	120	110	74	140	120	120	110	150	ND					500*
Sulfate	13.9	13.9	7.1	8	8.4	13	8.3	8.5	6.7	7.9	ND			500	500	250*
Chloride	10.6	19.4	4.7	4.4	14.7	3.6	5.9	5.1	ND	1.7	ND			250*	250*	250*
MBAS Substances	ND	0.0488	ND	ND	0.0476	ND	ND	ND	ND	0.0376	ND					0.5*
Radioactivity EML A-01-R MOD (pCi/L)																
Thoramium 228	0.025U	0.15J	0.005U	0.11U	-0.12U	0.09U	0.07U	0.036U	0.12U	-0.008U	0.043U					
Thoramium 230	0.065U	0.035U	0.17J	-0.101U	-0.02U	0.07U	0.14U	0.28J	0.14J	0.16J	0.14J					
Thoramium 232	0U	-0.004U	0.015U	-0.025U	0.03U	0.031U	-0.011U	-0.0045U	-0.018U	0.018U	0.017U					
Uranium 234	0.56J	0.47J	3.14	3.29	0.37J	1.9	2.62	2.28	1.64	1.2	0.34U					
Uranium 235/236	-0.005U	0.027U	0.078J	0.048U	0.028U	0.087U	0.051U	0.044U	-0.015U	0.053U	ND					
Uranium 238	0.27J	0.42J	1.58	1.28	0.28J	0.93J	1.23	1.13	0.62J	0.78J	ND					
Metals By Methods EPA 200 Series, EPA 6000/7000, and Method 6020 (mg/l)																
Boron	ND	ND	ND	ND	ND	0.053	ND	ND	ND	0.26	ND			0.6	0.6	
Calcium	31.0	38.6	29.4	27.9	20.5	31.7	30.0	2.8	28.2	1.81	ND					
Iron	0.11	0.15	0.43	0.42	4.2	0.34	1.7	0.14	0.56	1.5	ND			0.3*	0.3*	0.3*
Magnesium	6.4	7.9	6.0	5.9	5.7	7.8	6.6	6.9	5.0	ND	ND					
Sodium	7.3	8.6	15	15	4.9	14	13	12	19	74	ND					
Silicon	4.84	5.35	4.74	4.64	7.14	4.99	4.64	4.62	5.34	4.57	ND					
Strontium	0.16	0.15	0.63	0.6	0.17	1.4	0.64	0.8	0.65	0.16	ND					
Aluminum	0.0716	0.301	0.0096B	0.033	2.03	0.124	0.0154B	0.0123B	0.0121B	0.476	ND			0.2*	0.2*	0.2*
Arsenic	0.00093B	0.0031B	0.0017B	0.0018B	0.0027B	0.0013B	0.0013B	0.0022B	0.0042B	0.0054B	ND			0.05	0.05	0.01
Barium	0.15	0.29	0.234	0.24	0.0953	0.142	0.23	0.23	0.72	0.089	ND			2	2	2
Beryllium	ND	0.000089B	ND	ND	0.00016B	ND	ND	ND	ND	0.000058B	ND			0.004	0.004	0.004
Cadmium	ND	0.00065	ND	ND	ND	ND	ND	ND	ND	ND	ND			0.005	0.005	0.005
Cobalt	0.00014B	0.0013B	ND	ND	0.0015B	ND	ND	ND	ND	0.00017B	ND			0.73	2	
Copper	0.035	0.0247	0.0027	0.0029	0.0149	0.0034	0.0028	ND	0.0026	0.0078	ND			1	1	1*
Lead	0.0031	0.0119	0.00051B	0.00053B	0.0072	0.00082B	0.00042B	0.00081B	0.0011B	0.0008B	ND			0.005	0.005	0.015
Lithium	0.0117	0.0139	0.0309	0.0317	0.0083	0.0287	0.0264	0.0265	0.0326	0.195	ND					
Manganese	0.00083B	1.36	0.0088	0.0107	0.203	0.0216	0.0646	0.118	0.153	0.0414	ND			0.05*	0.05*	0.05*
Nickel	ND	0.003B	ND	ND	0.0021B	0.00031B	ND	ND	ND	0.00086B	ND			0.1	0.1	
Zinc	0.0856J	0.064	0.0042J	0.0088J	0.0268B	0.0037B,J	0.0046B,J	0.0055J	0.0286	0.0063J	0.0049B,J			2	2	5*

Ex. 6 - Personal Privacy

Notes:
ND analyte not detected above laboratory reporting limit
B Estimated result that is less than the reporting limit
J Result is greater than the sample detection limit but less than the stated reporting limit.

*Value is a Secondary Maximum Contaminant Level. These levels are not health based concentrations rather they are generally related to unpleasant taste, odor or color.
Concentration exceeds Maximum Contaminant Level (EPA) or Statewide Health Standard (PADEP)
Concentration exceeds Secondary Maximum Contaminant Level (EPA) or Statewide Health Standard (PADEP)

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Table 2
Water Buffalo (Replacement Water) Analytical Results
Dimock, Pa
BE Project No.09-2607-0

Sample Location	Ex. 6 - Personal Privacy			TB-Day 1	TB Day 2	rSHS	nrSHS	EPA MCL
Sampling Date	1/20/2010	1/21/2010	1/21/2010	1/19/2010	1/19/2010			
VOCs by Method 8260B (ug/l)								
Chlorodibromomethane	5.7	3.8	ND	ND	ND	100	100	
Chloroform	ND	7.8	ND	ND	ND	100	100	
Bromodichloromethane	3.8	ND	ND	ND	ND	100	100	
SVOC by Method 8270C (ug/l)								
Bis(2-chloroethyl)ether	ND	14	ND	ND	ND	0.13	0.55	
TIC SVOCs by Method 8260B (ug/l)								
1,1-dimethyl-3-chloropropanal	ND	68.3	ND	ND	ND			
2,3-dichloro-2-metyl-Butane	ND	54.6	ND	ND	ND			
Total Unknown TICs	ND	87.02	ND	ND	ND			
General Chemisryt by Various Methods (mg/l)								
Bicarbonate Alkalinity	120	52	ND					
Total Dissolved Solids (TDS)	240	210	ND					500*
Sulfate	23.4	27	ND			500	500	250*
Chloride	64.5	90.6	ND			250*	250*	250*
Total Phenols	0.04	0.1	0.044			4	4	
Total Organic Carbon	ND	1.8	ND					
Radioactivity EML A-01-R MOD (pCi/L)								
Thoramium 228	0.11U	-0.017U	0.043U					
Thoramium 230	0.092U	0.036U	0.14J					
Thoramium 232	0.013U	-0.0037U	0.017U					
Uranium 234	0.41J	0.072U	0.034U					
Uranium 235/236	0U	-0.0047J	0U					
Uranium 238	0.39J	0.108U	0U					
Total Metals By EPA 200 Series Method (mg/l)								
Calcium	24.1	24.1	ND					
Magnesium	9.3	4.5	ND					
Sodium	28	56	ND					
Silicon	3.27	1.62	ND					
Strontium	0.1	0.062	ND					
Aluminum	0.0399	0.0222	ND			0.2*	0.2*	0.2*
Barium	0.0909	0.0496	ND			2	2	2
Copper	0.0011	0.0057	ND			1	1	1*
Lead	ND	0.00057B	ND			0.005	0.005	0.015
Lithium	0.0066	0.0022	ND					
Manganese	0.003	0.0142	ND			0.05*	0.05*	0.05*
Nickel	0.0003B	0.00081	ND			0.1	0.1	
Zinc	0.0875	.367J	0.049B,J			2	2	5*

Notes:
ND analyte not detected above laboratory reporting limit
B Estimated result that is less than the reporting limit
J Result is greater than the sample detection limit but less than the stated reporting limit.

*Value is a Secondary Maximum Contaminant Level. These levels are not health based concentrations rather they are generally related to unpleasant taste, odor or color.
Concentration exceeds Maximum Contaminant Level (EPA) or Statewide Health Standard (PADEP)
Concentration exceeds Secondary Maximum Contaminant Level (EPA) or Statewide Health Standard (PADEP)

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