

Table D6-13 BLM Battle Spring Draw Well No. 4451 Laboratory Results

Parameter		Well Water		Pond Water	Algae	Soil	
		8/27/2009	#####	7/13/2010	#####	#####	
Major Cations and Anions	Na (mg/L)	30	31	36	-	-	
	K (mg/L)	3	3	8	-	-	
	Ca (mg/L)	167	170	166	-	-	
	Mg (mg/L)	8	8	10	-	-	
	Cl (mg/L)	7	7	9	-	-	
	HCO ₃ (mg/L)	206	200	200	-	-	
	CO ₃ (mg/L)	ND	ND	ND	-	-	
	SO ₄ (mg/L)	340	353	379	-	-	
	SiO ₂ (mg/L)	16.9	16.5	18.7	-	-	
	NO ₃ +NO ₂ (mg/L)	0.01	ND	ND	-	-	
General Water Quality	TDS (mg/L)	698	694	786	-	-	
	Specific Conductivity	929	948	983	-	-	
	Lab pH (SU)	7.94	8	7.61	-	-	
	Alkalinity (mg/L)	169	164	164	-	-	
				-	-		
Radionuclides	Gross Alpha (pCi/L)	1230	1190	932	-	-	
	Gross Beta (pCi/L)	313	249	239	-	-	
	Ra-226 (pCi/L)	11	7.9	1.9	-	-	
	Ra-228 (pCi/L)	8.0	5.4	1.6	-	-	
	Ra-226 + Ra-228 (pCi/L)	19.0	13.3	3.5	-	-	
	Uranium (mg/L)	0.91	1.10	1.02	112	11.8	
Trace Parameters (Dissolved unless otherwise noted.)	Al (mg/L)	ND	ND	ND	-	-	
	NH ₃ -N (mg/L)	0.1	ND	0.13	-	-	
	As (mg/L)	ND	ND	0.003	-	-	
	Ba (mg/L)	ND	ND	ND	-	-	
	B (mg/L)	ND	ND	ND	-	-	
	Cd (mg/L)	ND	ND	ND	-	-	
	Cr (mg/L)	ND	ND	ND	-	-	
	Cu (mg/L)	ND	ND	ND	-	-	
	F (mg/L)	0.1	ND	0.1	-	-	
	Fe (mg/L)	Dissolved	ND	ND	ND	-	-
		Total	0.11	0.11	1.45	-	-
	Hg (mg/L)	ND	N	ND	-	-	
	Mn (mg/L)	Dissolved	0.02	0.01	0.27	-	-
		Total	0.02	0.01	0.36	-	-
	Mo (mg/L)	ND	ND	ND	-	-	
	Ni (mg/L)	ND	ND	ND	-	-	
	Pb (mg/L)	ND	ND	ND	-	-	
	Se (mg/L)	0.015	0.025	0.008	2.3	ND	
	V (mg/L)	ND	ND	ND	-	-	
	Zn (mg/L)	0.02	0.03	ND	-	-	

ND - Concentration was below the laboratory detection limit.

(-) Not analyzed.