

ATTACHMENT 2

TABLE 3A

Screening of Inorganic Chemicals for Leaching Concerns in RZ-B

Chemical	Depth Interval		Site RZ-B metals determined to be above background ¹								Maximum RZ-A Background Detect	NDEP LBCL (DAF=1) ² (mg/kg)	NDEP LBCL (DAF=20) ² (mg/kg)	Max above LBCL (DAF=1)	Max Above LBCL (DAF=20)	COPC for further evaluation
	Site	Background	No. of Detects	Total Samples	% Detects	Minimum Detect	Maximum Detect	Median Detect	Mean Detect	Standard Deviation of Detects						
Antimony	0 - 10 ft	0-10 ft	52	142	37%	0.13	2.8	1	1.20	0.56	3.40	0.3	6	Yes	No	No
Arsenic	0-2 ft	0-2 ft	67	67	100%	1.24	189	2.46	6.90	24.40	4.25	1	20	Yes	Yes	Yes
Arsenic	2-10 ft	2-10 ft	75	75	100%	1.69	26.7	2.74	3.22	2.98	3.13	1	20	Yes	Yes	Yes
Boron	0 - 10 ft	0-10 ft	51	142	36%	2.5	100	13.1	17	15	12	23	470	Yes	No	No
Boron	10-UMCf	10-UMCf	70	97	72%	5.6	81.9	25.4	28.90	15.00	29.60	23	470	Yes	No	No
Chromium (Total)	0-2 ft	0-2 ft	67	67	100%	4.65	33.2	8.31	10.30	6.20	8.63	2	40	Yes	No	No
Chromium (VI)	0-10 ft	0-10 ft	40	142	28%	0.11	31.4	1.03	3.33	5.83	0.29	2	40	Yes	No	No
Chromium (VI)	10-UMCf	10-UMCf	19	97	20%	0.12	36.4	0.77	6.73	11.40	ND	2	40	Yes	No	No
Lead	0-10 ft	0-10 ft	142	142	100%	6.2	185	10	19.10	29.60	72.80	14	270	Yes	No	No
Magnesium	10- UMCf	10- UMCf	97	97	100%	5110	58100	21100	24600	13800	30000	970	19000	Yes	Yes	Yes
Manganese	0-10 ft	0-10 ft	142	142	100%	176	2320	369	462	328	537	33	670	Yes	Yes	Yes
Potassium	2 - 10 ft	2-10 ft	75	75	100%	1290	6930	2040	2180	787	2420	NE	NE	---	---	NA
Selenium	10- UMCf	10- UMCf	3	97	3%	1.1	1.4	1.2	1.23	0.15	ND	0.3	6	Yes	No	No
Sodium	0 - 2 ft	0 - 2 ft	67	67	100%	211	5660	853	1210	1000	864	NE	NE	---	---	NA
Sodium	2 - 10 ft	2 - 10 ft	75	75	100%	314	7680	815	1300	1310	1050	NE	NE	---	---	NA
Sodium	10- UMCf	10- UMCf	97	97	100%	326	7950	1230	1640	1390	1200	NE	NE	---	---	NA
Uranium	0-2 ft	0-2 ft	67	67	100%	0.666	1.73	0.863	0.93	0.22	1.01	14	270	No	No	No

Notes:

- 1 - Background comparison based on the RZ-A background dataset (see Attachment 2 Table 2A).
- 2 - Bold values indicate that the maximum background detection is above the LBCL (DAF=1) or LBCL (DAF=20) for the given chemical.
- 3 - Units in mg/kg (milligrams per kilogram)
- NE - Value not established
- ND - Not detected
- NA - Not applicable

Depth Intervals:

- 0-2 - 0 feet below ground surface (bgs) to 2 feet bgs
- 2-10 - greater than 2 feet bgs to 10 feet bgs
- 0-10 - 0 feet bgs to 10 feet bgs
- 10-UMCf - greater than 10 feet bgs to the top of the Upper Muddy Creek formation