

O-36B

Reclamation Status	Site Stabilization
Priority	High
Pile Treatment	landfarming; nitrogen amendment
Current TPH Status	Fails
SAR	SAR over 12
Current background arsenic status	max = 21 (passes)
Other Issues	High pH and SAR
Actions Needed	resample landfarm 2015

Parameter	Table 910-1	O-36B Pit	O-36B Pile							
	Date	9/30/2010	9/30/2010	5/26/2011	2/28/2012	9/26/2012	5/28/2013	5/17/2014	11/1/2014	
TPH	500	81	960	970	3070	3000	1703	1542	1860	
Benzene	0.17	ND	ND	ND	0.034	0.0067	ND	ND	ND	
Toluene	85	ND	ND	ND	0.84	0.092	ND	ND	ND	
Ethylbenzene	100	ND	ND	ND	0.81	0.05	0.0051	ND	ND	
Xylenes	175	ND	0.01	ND	5.1	0.67	0.11	0.041	0.014	
PAHs										
Anthracene	1,000	ND	ND	ND	0.069	0.44	0.2	0.083	0.07	
Acenaphthene	1,000	ND	ND	ND	0.032	0.34	0.31	0.14	0.16	
Benzo (a) anthracene	0.22	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo (b) fluoranthene	0.22	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo (k) fluoranthene	2.20	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo (a) pyrene	0.022	ND	ND	ND	ND	ND	ND	ND	ND	
Chrysene	22	ND	ND	ND	ND	ND	ND	ND	0.025	
Dibenzo (a,h) anthracene	0.022	ND	ND	ND	ND	ND	ND	ND	ND	
Pyrene	1,000	ND	ND	0.34	0.089	0.44	0.26	0.18	0.23	
Fluoranthene	1,000	ND	ND	ND	0.01	ND	ND	0.018	0.025	
Indeno(1,2,3-cd) pyrene	0.22	ND	ND	ND	ND	ND	ND	ND	ND	
Fluorene	1,000	ND	ND	ND	0.15	0.43	0.33	0.15	0.17	
Napthalene	23	ND	ND	0.23	1.2	0.80	0.84	0.35	0.50	
Inorganics										
Conductivity	4mmhos	2	3.8	2.6	4.7	4.8	3.1	2.9	2.7	
SAR	12	25	21	10	20	46	27	25	16	
pH	6-9	9	9.1	11	12	12	12	11	11	
Arsenic	0.39	19	13	6.7	11	13	11	8.1	10	
Barium	15,000	660	6100	5300	5800	4700	4700	3600	5800	
Boron	NA	0.34	1.5	13	26	23	20	18	23	
Cadmium	70	0.92	0.7	1.4	0.97	ND	0.54	0.73	ND	
Chromium	120,000	25	24	16	18	20	21	16	16	
Chromium VI	23	ND	ND	ND	ND	ND	ND	ND	ND	
Copper	3,100	ND	ND	17	18	17	22	15	17	
Lead	400	16	17	15	18	15	18	14	16	
Mercury	23	0.025	0.035	0.02	0.04	0.036	0.027	0.033	0.02	
Nickel	1,600	22	20	11	11	15	15	12	14	
Selenium	390	5.2	1.6	7.2	ND	2.7	2	ND	ND	
Silver	390	ND	ND	ND	ND	ND	ND	ND	ND	
Zinc	23,000	64	83	66	68	72	76	62	62	