

CD-32

SAR under 12
Ready for reclamation

Parameter	Table 910-1	CD-32 Pile Composite		Liner Spoils	Final Landfarm Discrete Samples (10/24/2015)										Pit Bottom Discrete Samples (11/9/2015)									
		5/27/2011	5/18/2014		CD-32 LF-1	CD-32 LF-2	CD-32 LF-3	CD-32 LF-4	CD-32 LF-5	CD-32 LF-6	CD-32 LF-7	CD-32 LF-8	CD-32 LF-9	CD-32 LF-10	CD-32 P-1	CD-32 P-2	CD-32 P-3	CD-32 P-4	CD-32 P-5	CD-32 P-6	CD-32 P-7			
ES&S Lab Report #		L700009		L796886	L796886															L600481				
TPH	500	40	132	400.58	261	216	253	90	267	240	89.5	218.6	233	318	22.6	104.6	107.4	50.6	57.5	69.3	146.5			
Benzene	0.17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Toluene	85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Ethylbenzene	100	ND	ND	0.0072	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0028	0.00284	ND	ND	ND	ND	0.0578			
Xylenes	175	ND	ND	0.00872	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0116	0.00954	ND	ND	ND	ND	0.24			
PAHs																								
Anthracene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Acenaphthene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Benzo (a) anthracene	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Benzo (b) fluoranthene	0.22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Benzo (k) fluoranthene	2.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Benzo (a) pyrene	0.022	ND	ND	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	ND	ND	ND	ND	ND	ND	ND			
Chrysene	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Dibenzo (a,h) anthracene	0.022	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Pyrene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Fluoranthene	1,000	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Indeno(1,2,3-cd) pyrene	0.22	ND	ND	0.202	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Fluorene	1,000	ND	ND	0.422	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Naphthalene	23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Inorganics																								
Conductivity	4mmhos	0.56	0.7	2.42	0.708	0.636	1.04	0.517	0.717	0.684	0.597	0.912	1.26	1.17	0.932	0.966	0.741	0.939	0.391	0.791	0.658			
SAR	12	3.7	2.8	9.51	2.39	1.91	2.65	1.83	2.06	2.41	2.15	3.16	2.96	3.27	5.49	5.79	7.75	7.2	1.94	5.55	3.58			
pH	6-9	7.8	8.5	8.39	8.28	8.47	8.07	8.2	8.08	8.26	8.39	8.25	8.05	8.06	7.51	8.44	8.44	8.42	8.65	8.52	8.53			
Arsenic	0.35	6.8	7.1	6.31	6.42	6.6	7.28	6.61	7.61	6.47	6.55	6.08	7.76	8.26	6.87	7.97	7.25	6.22	6.74	6.46	7.79			
Barium	15,000	390	250	449	345	330	352	357	344	348	312	321	350	333	389	356	490	451	431	477	369			
Boron	NA	<10	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Cadmium	70	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Chromium	120,000	23	18	16.3	14.1	14	15	17.1	17.3	14.1	13.9	13.5	16.7	15.4	15.7	16.5	15.2	16.4	15	14.5	13.6			
Chromium VI	23	<2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Copper	3,100	23	19	25.1	21.2	21.5	22.3	22.8	21.6	22	21.1	22.8	24.2	22.4	19.7	21.3	20.1	19.3	17	19.1	19.3			
Lead	400	14	10	14.6	15	15	15.4	15.8	18.1	14.6	14.4	14.8	14.6	16.8	13.9	15	16.7	14.8	15.4	16.5	13.9			
Mercury	23	0.02	0.022	0.0275	0.0251	0.026	0.0234	0.0251	0.0217	0.0259	0.0284	0.0229	0.0244	0.0243	0.0217	0.0224	0.0238	0.0268	0.0258	0.0431	0.0242			
Nickel	1,600	16	15	16.9	16.4	17	16.9	18.5	17.5	17	17.3	15.9	18.1	16.3	14.6	15.5	17.2	16.1	14.7	15.3	13.2			
Selenium	390	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Silver	390	<0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Zinc	23,000	50	43	47.9	41.6	40.4	43.2	47.9	41.4	41.9	42.9	43.2	42.3	44.4	42.8	45.5	40.6	42	36.7	38.6	35			