

Appendix P: Preliminary Waste Acceptance Criteria Assessments

Waste classification based on soil values - ZONE 5

Worst case substances			Toluene Ethylbenzene Xylene Naphthalene Lead sulphate Cadmium Oxide Copper(I)oxide	Benzene Phenol Naphthalene Cadmium Oxide	Arsenic Trioxide Calcium Cyanide	Nickel- carbonate	Mineral Oil	Arsenic Trioxide	Calcium Chromate	Max PAH (excl. Naphthalene)	Benzene	Cadmium Oxide	pH	Phenol Zinc Chloride Arsenic Trioxide	Max PAH (excl. Naphthalene)	Lead sulphate	Max PAH (excl. Naphthalene)	Lead sulphate	Max PAH (excl. Naphthalene)	Calcium Cyanide	Zinc Chloride Arsenic Trioxide Calcium Chromate Lead sulphate Dimercury Dichloride Nickel carbonate Calcium Cyanide Sum of PAH	Arsenic Trioxide Calcium Chromate Lead sulphate Dimercury Dichloride Nickel carbonate Calcium Cyanide Sum of PAH	Arsenic Trioxide Calcium Chromate Lead sulphate Dimercury Dichloride Nickel carbonate Calcium Cyanide Sum of PAH				
Sample identity	Sample elevation (mOD)	Hazardous Waste	H4 - 'Irritant'	H5 - 'Harmful'	H6(H6) - 'Toxic'		H7 - 'Carcinogenic'						H8(H4) - 'Corrosive'		H10 - 'Toxic for reproduction'			H11 - 'Mutagenic'	H12 - Substances & preparations which release toxic gases in cont. with water air and acid	H14 - 'Ecotoxic'							
			Risk Phrase	R38	R20-R22	R23-25, R48	R26-28	R40	R45						R49	R34	R60	R61		R63	R46	R32	R50-53/0.25 + R51-53/2.5 + R52-53/25	R50-53 + R50	R50-53 + R51-53 + R52-53 + R53		
Threshold value in %			20	25	3	0.1	1	0.1						0.1	<2 >11.5	5	0.5	0.5		5	0.1	0.2	0.0000	1	25	25	0.4
Maximum value			0.000	0.4	0.00	0.084	0.01	0.0	0.17	0.02	0.00000	0.000	0.0014	9.5	0.38	0.0000	0.264	0.0000	5	0.3	0.0000	0.0000	2.1	0.4	0.4	0.4	
TP2-D1	0.25	Yes	0.00007	0.38	0.001	0.084	0.004		0.168	0.006		0.00137	8.2	0.239		0.264						2.05	0.36	0.36			
TP5-D1	0.30		0.00007	0.08	0.000	0.029	0.004	0.058	0.006			0.00043	8.3	0.144		0.019						0.69	0.06	0.06			
TP6-D1	0.40	Yes	0.00007	0.07	0.001	0.053	0.002	0.106	0.004			0.00073	8.3	0.133		0.014						0.62	0.07	0.07			
TP1-D1	0.5		0.00007	0.04	0.000	0.011	0.009	0.022	0.023			0.00016	8.5	0.097		0.005	0.097					0.53	0.05	0.05			
TP3-D1	0.50		0.00007	0.03	0.000	0.020	0.002	0.040	0.064			0.00031	8.2	0.068		0.007	0.067					0.32	0.03	0.03			
TP4-D1	0.50	Yes	0.00007	0.19	0.000	0.010	0.002	0.021	0.005			0.00012	8.3	0.379		0.022	0.022					1.63	0.04	0.04			
TP7-D1	0.50		0.00007	0.02	0.000	0.011	0.002	0.021	0.004			0.00010	8.3	0.060		0.003	0.003					0.28	0.02	0.02			
BH803	0.5		0.00002	0.01	0.000	0.005	0.002	0.001	0.010	0.002		0.00003	9.2	0.021		0.003	0.003					0.11	0.01	0.01			
BH804	0.5		0.00002	0.03	0.000	0.012	0.002	0.005	0.024	0.004		0.00002	8.9	0.039		0.005	0.005					0.20	0.02	0.02			
BH805	0.5		0.00002	0.03	0.000	0.009	0.002	0.005	0.018	0.004		0.00002	9.0	0.036		0.005	0.005					0.18	0.02	0.02			
TP6-D3	1.00		0.00007	0.01	0.000	0.008	0.001	0.016	0.001			0.00009	8.2	0.046		0.003	0.003					0.20	0.01	0.01			
TP7-D3	1.00		0.00007	0.03	0.000	0.029	0.001	0.059	0.002			0.00038	8.1	0.072		0.006	0.006					0.33	0.04	0.04			
TP2-B4	1.20		0.00007	0.02	0.000	0.011	0.001	0.023	0.002			0.00018	8.3	0.048		0.004	0.004					0.22	0.02	0.02			
TP2-D3	1.40	Yes	0.00007	0.15	0.001	0.038	0.003	0.077	0.005			0.00078	8.0	0.288		0.021	0.021					1.27	0.07	0.07			
TP1-D3	1.5		0.00007	0.01	0.000	0.005	0.002	0.009	0.004			0.00007	8.4	0.025		0.001	0.001					0.13	0.01	0.01			
TP4-D5	1.50	Yes	0.00012	0.19	0.001	0.070	0.004	0.146	0.007			0.00118	7.7	0.288		0.042	0.042					1.36	0.12	0.12			
TP5-D4	1.50		0.00007	0.01	0.000	0.000	0.001	0.000	0.005			0.00007	8.3	0.006		0.005	0.005					0.07	0.01	0.01			
BH803	1.5		0.00002	0.03	0.000	0.016	0.007	0.002	0.032	0.013		0.00004	9.0	0.058		0.005	0.005					0.33	0.04	0.04			
BH804	1.5		0.00002	0.02	0.000	0.006	0.001	0.005	0.012	0.002		0.00002	9.2	0.025		0.002	0.002					0.12	0.01	0.01			
BH805	1.5		0.00002	0.04	0.000	0.013	0.002	0.005	0.026	0.004		0.00002	9.0	0.042		0.006	0.006					0.21	0.02	0.02			
TP7-D6	1.80		0.00007	0.01	0.000	0.008	0.001	0.015	0.001			0.00008	8.3	0.043		0.002	0.002					0.19	0.01	0.01			
BH803	2.5		0.00003	0.02	0.000	0.006	0.001	0.001	0.011	0.002		0.00003	9.1	0.028		0.003	0.003					0.13	0.01	0.01			
BH804	2.5		0.00002	0.01	0.000	0.002	0.001	0.005	0.004	0.001		0.00001	9.3	0.007		0.001	0.001					0.04	0.00	0.00			
BH805	2.5		0.00002	0.01	0.000	0.002	0.001	0.005	0.004	0.001		0.00001	9.4	0.005		0.001	0.001					0.03	0.00	0.00			
BH804	3.5		0.00002	0.02	0.000	0.008	0.001	0.005	0.015	0.003		0.00002	9.0	0.031		0.004	0.004					0.16	0.02	0.02			
BH805	3.5		0.00002	0.01	0.000	0.003	0.001	0.005	0.006	0.002		0.00001	9.2	0.008		0.001	0.001					0.05	0.01	0.01			
BH803	4.5		0.00011	0.01	0.000	0.002	0.001	0.001	0.004	0.002		0.00003	9.5	0.010		0.001	0.001					0.06	0.01	0.01			
BH804	4.5		0.00002	0.01	0.000	0.005	0.002	0.005	0.009	0.004		0.00002	9.1	0.016		0.002	0.002					0.09	0.01	0.01			
BH805	4.5		0.00003	0.01	0.000	0.002	0.001	0.005	0.005	0.002		0.00002	9.3	0.007		0.001	0.001					0.04	0.01	0.01			
BH803	5.5		0.00006	0.01	0.000	0.003	0.002	0.002	0.006	0.003		0.00002	9.2	0.014		0.001	0.001					0.08	0.01	0.01			

