

MTR Corporation Limited

Appendix 6.4 Testing Result and Disposal Classification

Sampling ID	Sampling Depth (m below ground)	Metals and Metalloid (mg/kg dry wt.)									Organics (µg/kg dry wt.)			Organometallic (µg TBT/L)	Overall Classification	Sample require Biological Test?	Biological Test Pass?	Disposal Option	
		Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag	Total PCB ¹	LMW PAHs ²	HMW PAHs ³	TBT ⁴					
LCEL		1.5	80	65	40	75	200	0.50	12	1	23	550	1700	0.15					
UCEL		4	160	110	40	110	270	1.00	42	2	180	3160	9600	0.15					
<i>Area offshore to Police Officers' Club</i>																			
2211/SCL/EDH-VC018		0-0.95	1.6	84	384	35	79	947	0.93	9	9.7	<30*	<550	<1700	NT	Category H	No	NA	Type 2
		2-2.95	<0.2	3	4	2	22	157	<0.05	4	<0.1	<3	<550	<1700	0.4	Category H	No	NA	Type 2
		3-3.95	<0.2	3	2	1	8	124	<0.05	3	<0.1	<3	<550	<1700	<0.015	Category L	No	NA	Type 1
		6-6.95	<0.2	10	2	6	11	75	<0.05	3	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
		9-9.45	<0.2	15	5	14	18	51	<0.05	7	<0.1	<3	<550	<1700	<0.008	Category L	No	NA	Type 1
2211/SCL/EDH-VC019		0-0.95	0.9	50	100	18	132	557	0.82	8	2.2	<3	<550	<1700	0.011	Category H	No	NA	Type 2
		1-1.95	0.7	40	78	16	112	364	0.80	10	1.4	<3	<550	<1700	NT	Category H	No	NA	Type 2
		2-2.95	<0.2	45	18	26	24	253	0.11	4	0.2	<3	<550	<1700	NT	Category M	Yes	FAIL	Type 2
		3-3.95	<0.2	65	18	42	18	182	<0.05	5	<0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
		6-6.95	<0.2	57	17	45	29	934	<0.05	4	<0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
		9-9.95	<0.2	10	2	3	21	556	<0.05	<1	0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
		12-12.95	<0.2	40	11	28	20	1080	0.07	3	0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
2211/SCL/EDH-VC021		0-0.9	1.3	105	236	33	182	970	1.06	4	4.4	<30*	<550	<1700	NT	Category H	No	NA	Type 2
		1-1.9	1.4	84	264	30	179	1520	1.96	7	5.6	<30*	<550	<1700	NT	Category H	No	NA	Type 2
		2-2.9	<0.2	26	8	16	57	122	<0.05	7	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
		3-3.9	<0.2	4	1	2	5	194	<0.05	2	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
		6-6.9	<0.2	4	1	2	5	93	<0.05	2	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
		9-9.9	<0.2	8	<1	2	4	59	<0.05	<1	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
		12-12.9	<0.2	<1	<1	<1	4	26	<0.05	<1	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
		15-15.9	<0.2	1	1	1	18	285	<0.05	<1	<0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
2211/SCL/EDH-VC026		0-0.95	2.2	62	363	33	73	528	0.62	9	12.2	<3	<550	<1700	0.17	Category H	Yes	PASS	Type 2
		1-1.95	<0.2	8	4	3	18	89	<0.05	6	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
		2-2.95	<0.2	18	12	4	48	582	<0.05	9	<0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
		3-3.95	<0.2	18	16	4	69	378	<0.05	7	<0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
		6-6.95	<0.2	5	8	2	80	113	<0.05	6	<0.1	<3	<550	<1700	NT	Category M	Yes	FAIL	Type 2
2211/SCL/EDH-VC027		0-0.9	0.3	4	3	2	15	211	<0.05	5	<0.1	<3	<550	<1700	NT	Category M	Yes	FAIL	Type 2
		1.5-1.9	0.3	4	1	3	18	105	<0.05	7	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
		2-2.9	<0.2	4	1	3	18	344	<0.05	7	<0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
		3-3.9	<0.2	2	<1	<1	9	346	<0.05	2	<0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
		6-6.9	<0.2	<1	<1	<1	10	480	<0.05	<1	<0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
2211/SCL/VC028		0-1	0.2	12	48	7	73	109	0.16	6	0.8	<3	<550	<1700	0.09	Category L	No	NA	Type 1
<i>Temporary Mooring Area</i>																			
2211/SCL/MS001		0-0.9	0.4	9	32	5	101	158	0.18	4	0.3	<30*	<550	<1700	0.11	Category M	Yes	FAIL	Type 2
		0.9-1.9	0.7	24	76	10	187	248	0.33	11	0.7	<30*	590	<1700	NT	Category H	No	NA	Type 2
2211/SCL/MS002		0-0.9	2.5	69	424	29	278	1070	1.32	10	9.1	<300*	730	6800	0.037	Category H	Yes	FAIL	Type 3
		0.9-1.9	1.8	57	543	24	282	875	1.35	10	8.6	<300*	<550	6600	NT	Category H	Yes	FAIL	Type 3
		1.9-2.9	0.7	23	181	9	443	312	1.51	6	1.2	<300*	<550	5000	NT	Category H	Yes	FAIL	Type 3
		3.0-3.9	0.7	28	145	14	186	307	0.73	7	1.2	<300*	<550	<1700	NT	Category H	Yes	FAIL	Type 3
2211/SCL/MS003		0-0.9	1.0	62	149	23	65	571	0.33	5	3.0	<30*	<550	<1700	<0.007	Category H	No	NA	Type 2

MTR Corporation Limited

Appendix 6.4 Testing Result and Disposal Classification

Sampling ID	Sampling Depth (m below ground)	Metals and Metalloid (mg/kg dry wt.)									Organics (µg/kg dry wt.)			Organometallic (µg TBT/L)	Overall Classification	Sample require Biological Test?	Biological Test Pass?	Disposal Option
		Cd	Cr	Cu	Ni	Pb	Zn	Hg	As	Ag	Total PCB ¹	LMW PAHs ²	HMW PAHs ³	TBT ⁴				
LCEL		1.5	80	65	40	75	200	0.50	12	1	23	550	1700	0.15				
UCEL		4	160	110	40	110	270	1.00	42	2	180	3160	9600	0.15				
2211/SCL/MS003	1-1.9	1.3	88	269	33	88	478	0.62	7	4.4	<30*	<550	<1700	NT	Category H	No	NA	Type 2
	2-2.9	0.3	20	66	9	60	160	1.07	3	0.9	<30*	<550	<1700	NT	Category H	No	NA	Type 2
	3-3.9	0.3	26	60	12	78	225	1.97	6	1.0	<30*	<550	1900	NT	Category H	No	NA	Type 2
	6-6.9	<0.2	17	4	10	12	29	<0.05	6	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
	9-9.95	<0.2	13	4	12	46	333	0.06	3	0.2	<3	<550	<1700	NT	Category H	No	NA	Type 2
	12-12.95	<0.2	6	2	2	27	168	<0.05	2	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
	15-15.95	<0.2	6	2	2	19	221	<0.05	<1	<0.1	<3	<550	<1700	NT	Category M	Yes	FAIL	Type 2
	18-18.95	<0.2	8	2	2	34	411	<0.05	<1	<0.1	<3	<550	<1700	NT	Category H	No	NA	Type 2
	21-21.95	<0.2	2	<1	2	22	52	<0.05	<1	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
	24-24.5	<0.2	9	7	3	7	82	<0.05	2	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
2211/SCL/MS004	0-0.9	2.0	98	399	43	107	563	0.80	14	14.6	<30*	<550	<1700	0.019	Category H	Yes	PASS	Type 2
	1-1.9	1.3	77	283	29	89	447	0.63	10	8.9	<30*	<550	<1700	NT	Category H	No	NA	Type 2
	2-2.9	<0.2	24	8	16	15	54	<0.05	5	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
	3-3.9	0.4	31	73	20	40	129	0.21	6	1.0	<30*	<550	<1700	NT	Category M	Yes	FAIL	Type 2
	6-6.95	<0.2	7	2	3	38	10	<0.05	<1	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
	9-9.95	<0.2	4	2	2	6	161	<0.05	<1	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
	12-12.95	<0.2	4	2	3	20	51	<0.05	2	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
	15-15.95	<0.2	4	<1	1	8	86	<0.05	<1	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
	18-18.95	<0.2	9	2	3	11	18	<0.05	2	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1
	21-21.95	<0.2	2	<1	3	28	15	0.08	<1	<0.1	<3	<550	<1700	NT	Category L	No	NA	Type 1

Note:

1. Total PCB includes 2,4' diCB, 2,2',5' triCB, 2,4,4'triCB, 2,2',3,5' tetraCB, 2,2',5,5' tetraCB, 2,3',4,4' tetraCB, 3,3',4,4' tetraCB, 2,2',4,5,5' pentaCB, 2,3',3',4,4' pentaCB, 2,3',4,4',5 pentaCB, 3,3',4,4',5 pentaCB, 2,2',3,3',4,4' hexaCB, 2,2',3,4,4',5' hexaCB, 2,2',4,4',5,5' hexaCB, 3,3',4,4',5,5' hexaCB, 2,2',3,3',4,4',5 heptaCB, 2,2',3,4,4',5,5' heptaCB, 2,2',3,4',5,5',6 heptaCB

2. LMW PAHs - Low Molecular Weight PAHs includes acenaphthene, acenaphthylene, anthracene, fluorene, naphthalene and phenanthrene.

3. HMW PAHs - High Molecular Weight PAHs includes benzo[a]anthracene, benzo[a]pyrene, chrysene, dibenzo[a,h]anthracene, fluoranthene, pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, indeno[1,2,3-c,d]pyrene and benzo[g,h,i]perylene.

4. NT: Inability to conduct TBT analysis due to insufficient interstitial water.

5. Refer to Appendix 9.4 for details of biological testing result.

6. Type 1: Open Sea Disposal Type 2: Confined Marine Disposal

* Limit of Reporting revised due to matrix interference.

^ Underlined value indicates exceedance of LCEL.

Bolded value indicates exceedance of UCEL.

Bolded and underlined value indicates that the value exceeds 10 times of LCEL.

NA: Not Applicable