

Appendix 6.3- Summary of Biological Screening Test Results

Toxicity Test /Sample ID				10-day burrowing amphipod survival test ^[1]		20-day burrowing polychaete survival and growth test ^[2]			48-96 hour larvae (bivalve or echinoderm) survival and normality test ^[3]			Overall Results	
				Survival (%)		Result (Pass/Fail)	Survival (%)		Result (Pass/Fail)	Survival (%)			Result (Pass/Fail)
Lab ID	Borehole No.	Sampling Depth	Sampling Date	Mean	SD		Mean	SD		Mean	SD	Result (Pass/Fail)	
Testing Period: 28 Jun 2022 to 20 Jul 2022													
HK2223100-002	Reference Sample #1		21/6/2022	91	4.2	NA	51.8	1.5	NA	86.1	1.3	NA	NA
HK2223100-005	BHE2	seabed grab	01/06/2022	84	4.2	Pass	*48.5	1.7	Pass	*72.5	2.5	Pass	Pass
HK2223100-006	BHE2	0.1-0.6m	01/06/2022	*82.0	5.7	Pass	*48.1	0.8	Pass	*72.7	2.5	Pass	Pass
HK2223100-009	BHE4	seabed grab	08/06/2022	*81.0	8.2	Pass	*50.1	0.8	Pass	*74.3	1.9	Pass	Pass
HK2223100-010	BHE4	0.10-0.45m , 0.45-0.90m	08/06/2022	*81.0	4.2	Pass	*47.6	0.9	Pass	*73.1	2.2	Pass	Pass
HK2223100-004	BHD2	19.90-20.35m , 20.40-20.85m	24/05/2022	*82.0	5.7	Pass	*48.8	1.8	Pass	*72.7	2.8	Pass	Pass
HK2223100-003	BHD3	15.00-15.45m , 15.50-15.95m	21/05/2022	85	3.5	Pass	*48.4	2.1	Pass	*72.2	2.2	Pass	Pass
HK2223100-007	BHD7	11.00-11.45m , 11.50-11.95m	02/06/2022	*81.0	6.5	Pass	49.9	1.1	Pass	*72.3	1.9	Pass	Pass
HK2223100-008	BHD7	14.90-15.35m , 15.40-15.85m	02/06/2022	82	7.6	Pass	*47.6	0.6	Pass	*73.2	2.1	Pass	Pass
HK2223100-011	BHD9	23.40-23.85m , 23.90-24.35m	08/06/2022	*80.0	7.9	Pass	*48.7	1.2	Pass	*72.4	3.9	Pass	Pass
HK2223100-012	BHD9	26.40-26.85m , 26.90-27.35m	08/06/2022	*81.0	8.2	Pass	*48.7	1.3	Pass	*74.5	1.6	Pass	Pass
Testing Period: 3 Aug 2022 to 24 Aug 2022													
HK2225874-002	Reference Sample #2		21/6/2022	88.0	7.6	NA	51.7	1.2	NA	83.2	2.3	NA	NA
HK2225874-011	BHE1	0.10-0.45m , 0.45-0.90m	15/06/2022	80.0	7.9	Pass	*48.7	2.1	Pass	*70.5	0.9	Pass	Pass
HK2225874-012	BHE1	1.90-2.40m , 2.40-2.90m	15/06/2022	81.0	8.2	Pass	*48.8	0.7	Pass	*71.0	1.8	Pass	Pass
HK2225874-013	BHE1	2.90-3.40m , 3.40-3.90m	15/06/2022	82.0	9.1	Pass	*47.7	1.7	Pass	*72.2	2.7	Pass	Pass
HK2225874-004	BHE3	seabed grab	11/06/2022	80.0	7.1	Pass	*48.3	2	Pass	*70.5	3.3	Pass	Pass
HK2225874-005	BHE3	0.10-0.45m , 0.45-0.90m	11/06/2022	82.0	6.7	Pass	50.1	0.6	Pass	*72.0	2.8	Pass	Pass
HK2225874-006	BHE3	0.90-1.40m , 1.40-1.90m	11/06/2022	80.0	9.4	Pass	*48.7	1.8	Pass	*72.5	2.2	Pass	Pass
HK2225874-007	BHE3	2.90-3.40m , 3.40-3.90m	13/06/2022	80.0	7.9	Pass	*48.6	1.8	Pass	*72.5	2.4	Pass	Pass
HK2225874-008	BHE3	5.90-6.40m , 6.40-6.90m	13/06/2022	80.0	7.1	Pass	*48.5	1	Pass	*74.2	2.2	Pass	Pass
HK2225874-003	BHE4	2.90-3.40m , 3.40-3.90m	09/06/2022	81.0	7.4	Pass	*47.7	1.1	Pass	*72.6	2.8	Pass	Pass
HK2225874-014	BHD4	0.10-0.45m , 0.45-0.90m	20/06/2022	85.0	6.1	Pass	*48.7	1.7	Pass	*72.1	2.2	Pass	Pass
HK2225874-010	BHD11	27.90-38.35m	15/6/2022	80.0	7.9	Pass	*48.9	1.6	Pass	*71.7	2.7	Pass	Pass
HK2225874-009	BHD12	27.90-28.35m , 28.40-28.85m	14/06/2022	80.0	9.4	Pass	*47.4	1.7	Pass	*70.9	1.9	Pass	Pass

Notes:

* Mean survival, total dry weight and normality survival in test sediment is significantly different ($p \leq 0.05$) from that in reference sediment.

[1] The test failed when mean survival in test sediment is significantly different ($p \leq 0.05$) from mean survival in reference sediment and mean survival in test sediment <80% of mean survival in reference sediment.

[2] The test failed when mean dry weight test sediment is significantly different ($p \leq 0.05$) from mean dry weight in reference sediment and mean dry weight in test sediment <90% of mean dry weight in reference sediment.

[3] The test failed when mean normality survival in test sediment is significantly different ($p \leq 0.05$) from mean normality survival in reference sediment and mean normality survival in test sediment <80% of mean normality survival in reference sediment.