

Appendix 8.9

Model Results for Emergency Sewage Discharge from HATS

Appendix 8.9 Model Results for Seawater Intakes

Note: Shaded and bolded - value exceeded the WSD criteria

(I) WSD Flushing Water Intakes

ID	Indicator Point	Scenario	Minimum DO (mg/L)	Mid-depth				
				UIA (mg/L)	<i>E.coli</i> (no./100mL)	NH ₃ -N (mg/L)	SS (mg/L)	BOD ₅ (mg/L)
WSD9	Tai Wan	2A - UDS with 600 m opening - Emergency Discharge at Dry Season Neap Low	6.30	0.003	14,733	0.097	4.56	0.60
		2A - UDS with 600 m opening - Emergency Discharge at Dry Season Spring Eb	6.22	0.004	21,436	0.145	5.13	1.12
		2A - UDS with 600 m opening - Emergency Discharge at Dry Season Spring Flo	6.21	0.003	1,487	0.100	4.72	0.54
		2A - UDS with 600 m opening - Emergency Discharge at Wet Season Neap Low	5.59	0.004	18,886	0.114	6.72	1.07
		2A - UDS with 600 m opening - Emergency Discharge at Wet Season Spring Eb	5.59	0.006	17,609	0.153	6.98	1.34
		2A - UDS with 600 m opening - Emergency Discharge at Wet Season Spring Flo	5.59	0.004	3,378	0.113	6.72	0.98
WSD10	Cha Kwo Ling	2A - UDS with 600 m opening - Emergency Discharge at Dry Season Neap Low	6.19	0.004	3,451	0.135	4.97	0.90
		2A - UDS with 600 m opening - Emergency Discharge at Dry Season Spring Eb	6.08	0.004	25,674	0.131	5.55	1.02
		2A - UDS with 600 m opening - Emergency Discharge at Dry Season Spring Flo	6.01	0.005	11,397	0.181	5.85	1.34
		2A - UDS with 600 m opening - Emergency Discharge at Wet Season Neap Low	5.52	0.005	10,572	0.130	6.75	1.22
		2A - UDS with 600 m opening - Emergency Discharge at Wet Season Spring Eb	5.52	0.005	16,593	0.147	6.87	1.35
		2A - UDS with 600 m opening - Emergency Discharge at Wet Season Spring Flo	5.52	0.006	15,523	0.174	6.75	1.73
WSD17	Quarry Bay	2A - UDS with 600 m opening - Emergency Discharge at Dry Season Neap Low	6.29	0.002	8,879	0.084	4.33	0.37
		2A - UDS with 600 m opening - Emergency Discharge at Dry Season Spring Eb	6.23	0.003	12,462	0.092	4.59	0.62
		2A - UDS with 600 m opening - Emergency Discharge at Dry Season Spring Flo	6.21	0.002	2,953	0.084	4.48	0.43
		2A - UDS with 600 m opening - Emergency Discharge at Wet Season Neap Low	5.53	0.003	5,003	0.090	6.54	0.82
		2A - UDS with 600 m opening - Emergency Discharge at Wet Season Spring Eb	5.53	0.003	4,201	0.096	6.54	0.82
		2A - UDS with 600 m opening - Emergency Discharge at Wet Season Spring Flo	5.53	0.004	4,792	0.099	6.54	0.82