

Tung Chung New Town Extension (West)
Ecologically-related Water Quality Monitoring Results

Reporting Month: Dec-2022

Monitoring Station		RP1		RP2		RP3		RP4		PW1		PW2		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	14:20	14:20	12:00	12:00	11:30	11:30	10:10	10:10	15:00	15:00	11:00	11:00	09:30	09:30
Weather	-	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Drizzle	Drizzle	Cloudy	Cloudy	Drizzle	Drizzle	Rainy	Rainy
Sampling Depth	m	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.3	0.3
Parameter															
pH		8.9	8.9	9.6	9.5	9.7	9.7	7.6	7.7	9.1	9.1	8.8	8.7	8.7	8.4
Salinity	ppt	0.02	0.02	0.04	0.04	0.02	0.02	0.49	0.49	0.03	0.03	0.09	0.09	24.84	25.00
Temperature	°C	16.4	16.4	16.2	16.2	16.1	16.3	17.3	17.3	16.5	16.5	16.5	16.6	18.5	18.4
Turbidity	NTU	1.4	1.4	2.2	2.5	11.7	11.4	33.3	32.7	2.0	2.3	106.0	109.0	8.7	8.5
DO	mg/L	8.8	8.1	8.3	8.2	9.5	9.6	8.8	8.8	9.8	9.7	9.9	9.9	8.1	8.1
DO Saturation	%	89.8	82.4	84.1	83.7	96.0	97.9	91.7	92.1	100.1	99.6	101.6	101.7	100.4	100.6
Suspended Solids	mg/L	<0.5	<0.5	1.1	1.2	4.7	7.0	131.0	89.2	1.0	1.0	53.4	30.9	4.5	8.8
Ammonia as N	mg/L	<0.01	<0.01	0.13	0.09	0.12	0.12	0.40	0.51	0.22	0.23	0.98	0.79	0.08	0.11
Total Kjeldahl Nitrogen as N	mg/L	0.10	0.09	0.30	0.26	0.28	0.30	0.86	0.79	0.42	0.41	1.31	1.07	0.22	0.20
Total Phosphorus as P	mg/L	<0.01	<0.01	0.04	0.04	0.04	0.04	0.14	0.08	0.05	0.05	0.11	0.07	0.02	0.02
<i>Escherichia coli</i>	CFU/100mL	62	42	220	270	380	410	2100	2500	3300	2800	2600	2300	1800	2700
Biochemical Oxygen Demand	mg/L	1.0	1.1	2.4	2.0	<1.0	<1.0	2.1	1.9	1.4	1.3	1.6	1.5	<1.0	<1.0
Chemical Oxygen Demand	mg/L	<2	3	3	<2	4	4	32	32	2	42	18	14	19	44
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	3	3	<2	<2	<2	<2	<2	<2