

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

Reporting Month: Feb-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	-	13:45	13:45	12:00	12:00	11:22	11:22	09:58	09:58	14:23	14:23	10:42	10:42	09:13	09:13
Weather	-	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
Sampling Depth	m	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3
Parameter															
pH		6.5	6.4	3.9	3.9	4.3	4.3	3.8	3.9	5.8	5.6	4.3	4.3	5.1	5.2
Salinity	ppt	0.02	0.02	0.03	0.03	0.03	0.03	0.07	0.07	0.03	0.03	0.04	0.04	22.17	22.04
Temperature	°C	18.7	18.7	19	18.9	21.5	21.4	19.7	19.9	18.3	18.3	23	23.1	18.8	18.8
Turbidity	NTU	1.3	1.5	1.3	1.2	0.9	1	2.7	2.3	1.8	2.1	4	3.9	5.8	5.5
DO	mg/L	8.2	7.8	8.5	8.4	9	8.5	8.8	8.3	7.7	7.2	10.8	10.6	6.4	6.1
DO Saturation	%	87.7	83.6	91.6	90.7	102.4	96.1	96.3	91.5	81.3	76.1	125.4	123.7	78.1	74.6
Suspended Solids	mg/L	0.9	0.5	0.6	1	0.6	0.5	1.3	1.4	0.6	0.8	0.9	1.1	6.1	1.4
Ammonia as N	mg/L	<0.01	<0.01	0.02	0.03	0.01	<0.01	0.09	0.11	0.41	0.4	0.1	0.1	0.01	0.02
Total Kjeldahl Nitrogen as N	mg/L	0.05	0.06	0.14	0.15	0.14	0.19	0.31	0.31	0.55	0.57	0.39	0.39	0.15	0.12
Total Phosphorus as P	mg/L	<0.01	<0.01	0.04	0.04	0.04	0.04	0.06	0.06	0.07	0.07	0.11	0.11	0.02	0.01
<i>Escherichia coli</i>	CFU/100mL	29	34	130	92	86	74	680	590	560	610	180	220	71	76
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	1.2	1.5	2	1.6	1.4	<1.0	<1.0
Chemical Oxygen Demand	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	3	3	3	<20	<20
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	2	2	2	2	<2	<2