

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

Reporting Month: Jul-2023

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	09:00	09:00	11:00	11:00	13:45	13:45	09:35	09:35	14:25	14:25
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.2	0.4	0.4
Parameter											
pH		7.7	7.6	6.8	6.8	8.6	8.6	7.1	7.0	7.8	7.9
Salinity	ppt	0.02	0.02	0.03	0.03	0.05	0.05	0.03	0.03	7.43	7.47
Temperature	°C	26.9	26.9	28.0	28.0	32.9	32.9	27.1	27.1	32.5	32.5
Turbidity	NTU	1.2	1.3	3.5	3.3	4.9	4.7	1.6	1.7	5.0	4.8
DO	mg/L	8.9	8.8	7.0	6.8	6.5	6.5	7.2	7.0	8.5	8.6
DO Saturation	%	112.0	110.1	88.9	86.2	89.8	90.2	90.3	88.3	122.5	123.9
Suspended Solids	mg/L	0.8	0.7	2.9	2.7	2.5	2.6	3.2	2.8	3.1	3.3
Ammonia as N	mg/L	<0.01	<0.01	0.01	0.01	0.03	0.04	0.16	0.14	0.01	<0.01
Total Kjeldahl Nitrogen as N	mg/L	<0.05	<0.05	0.12	0.11	0.16	0.16	0.35	0.46	0.21	0.20
Total Phosphorus as P	mg/L	<0.01	<0.01	0.02	0.02	0.02	0.02	0.05	0.04	0.02	0.02
<i>Escherichia coli</i>	CFU/100mL	30	28	1200	1300	75	88	2700	3300	72	66
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.5	1.2	<1.0	<1.0
Chemical Oxygen Demand	mg/L	2	3	4	4	4	4	6	7	22	19
Oil & Grease	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2

Ecological Monitoring at the monitoring station RP3 and PW2 were suspended since March 2023 with the commencement of temporary river diversion in Tung Chung Stream.