

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

Reporting Month: Oct-2024

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	11:20	11:20	10:40	10:40	09:55	09:55	11:50	11:50	09:20	09:20
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.5	0.5
Parameter											
pH		6.9	6.8	7.3	7.2	8.6	8.6	6.8	6.8	7.1	7.0
Salinity	ppt	0.01	0.01	0.02	0.02	0.04	0.04	0.02	0.02	4.13	3.49
Temperature	°C	25.4	25.4	25.1	25.1	25.5	25.5	25.7	25.7	25.5	25.2
Turbidity	NTU	4.5	4.7	1.2	1.1	4.1	4.2	2.9	2.6	6.4	6.8
DO	mg/L	8.0	7.8	8.6	8.3	9.2	8.0	8.9	8.9	7.3	7.4
DO Saturation	%	97.9	95.5	104.2	100.7	112.1	97.3	109.2	109.4	91.0	91.6
Suspended Solids	mg/L	0.9	1.0	2.7	1.2	2.0	2.0	2.8	1.7	3.5	2.5
Ammonia as N	mg/L	<0.01	<0.01	0.04	0.03	0.06	0.07	<0.01	0.05	0.10	0.10
Total Kjeldahl Nitrogen as N	mg/L	0.07	0.17	0.24	0.22	0.26	0.28	0.08	0.14	0.26	0.32
Total Phosphorus as P	mg/L	<0.01	0.01	0.03	0.02	0.03	0.03	<0.01	<0.01	0.02	0.02
<i>Escherichia coli</i>	CFU/100mL	18	28	860	790	1100	1200	26	21	370	900
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	4	4	4	4	4	3	2	2	10	10
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.