

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

Reporting Month: Jul-2024

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	09:05	09:05	10:10	10:10	11:05	11:05	09:35	09:35	13:30	13:30
Weather	-	Overcast	Overcast	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Overcast	Overcast
Sampling Depth	m	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.5	0.5
Parameter											
pH		7.2	7.2	5.1	5.1	9.1	9.2	7.2	7.2	8.8	8.5
Salinity	ppt	0.02	0.02	0.03	0.03	0.07	0.07	0.02	0.02	9.14	10.95
Temperature	°C	27.8	27.8	29.2	29.2	31.9	31.8	28.3	28.4	30.5	30.8
Turbidity	NTU	3.2	3.5	7.2	7.8	4.9	4.5	1.7	1.5	19.5	18.1
DO	mg/L	8.1	8.0	6.5	6.0	7.3	7.3	6.1	5.9	7.0	7.0
DO Saturation	%	102.7	102.4	85.1	78.7	99.8	99.2	78.8	75.4	98.6	98.9
Suspended Solids	mg/L	<0.5	<0.5	2.5	4.3	2.7	4.6	2.9	2.5	9.2	10.5
Ammonia as N	mg/L	<0.01	<0.01	0.03	0.03	0.06	0.05	0.19	0.24	0.16	0.14
Total Kjeldahl Nitrogen as N	mg/L	0.06	<0.05	0.17	0.16	0.32	0.30	0.47	0.34	0.38	0.41
Total Phosphorus as P	mg/L	<0.01	<0.01	0.04	0.04	0.06	0.05	0.06	0.05	0.04	0.04
<i>Escherichia coli</i>	CFU/100mL	340	570	1800	1600	1100	800	9700	8600	8	15
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	5	6	6	6	6	7	7	9	15	13
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.