

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

Reporting Month: Jan-2024

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	13:20	13:20	11:30	11:30	09:50	09:50	13:50	13:50	09:10	09:10
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.6	0.6
Parameter											
pH		7.1	7.0	6.9	6.8	9.8	9.8	6.7	6.7	7.8	7.9
Salinity	ppt	0.02	0.02	0.04	0.04	0.15	0.14	0.03	0.03	28.92	29.04
Temperature	°C	20.3	20.3	19.1	19.1	17.9	17.9	20.3	20.2	20.8	20.8
Turbidity	NTU	1.7	1.4	2.4	2.4	2.4	2.2	3.4	3.9	4.9	4.8
DO	mg/L	8.2	8.1	9.2	8.9	9.6	9.3	8.3	8.1	4.4	4.1
DO Saturation	%	90.8	89.1	99.4	95.7	101.4	98.0	92.2	89.6	58.4	54.2
Suspended Solids	mg/L	0.9	0.7	1.9	1.8	1.7	1.6	1.2	1.3	1.5	1.4
Ammonia as N	mg/L	0.02	0.02	0.01	0.02	0.21	0.24	0.33	0.37	0.04	0.04
Total Kjeldahl Nitrogen as N	mg/L	<0.05	<0.05	0.15	0.13	0.47	0.46	0.51	0.50	0.19	0.18
Total Phosphorus as P	mg/L	<0.01	<0.01	0.05	0.05	0.08	0.08	0.08	0.08	0.02	0.02
<i>Escherichia coli</i>	CFU/100mL	33	26	170	220	150	190	1500	2400	45	39
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	1.2	1.1	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	3	4	2	4	5	7	5	4	<20	<20
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.