

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

Reporting Month: Jun-2023

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	09:15	09:15	10:33	10:33	11:30	11:30	09:47	09:47	13:45	13:45
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	0.3	0.3	0.5	0.5
Parameter											
pH		7.9	7.8	6.8	6.9	8.2	8.3	5.8	5.8	7.2	7.1
Salinity	ppt	0.02	0.02	0.03	0.03	0.04	0.04	0.02	0.02	13.88	13.41
Temperature	°C	25.7	25.7	26.4	26.4	28.0	28.0	26.1	26.1	28.6	28.6
Turbidity	NTU	1.4	1.4	16.3	16.1	24.0	23.8	13.9	12.6	13.2	13.1
DO	mg/L	8.2	8.2	9.0	8.8	7.5	7.5	8.4	8.2	6.7	5.9
DO Saturation	%	100.5	100.6	111.4	109.7	95.7	95.2	103.4	100.8	94.0	82.6
Suspended Solids	mg/L	1.2	1.0	10.3	9.5	16.1	15.3	9.4	9.6	12.0	11.8
Ammonia as N	mg/L	0.02	0.01	0.02	0.01	0.06	0.05	0.04	0.04	0.05	0.05
Total Kjeldahl Nitrogen as N	mg/L	0.06	0.07	0.19	0.13	0.28	0.23	0.23	0.21	0.20	0.25
Total Phosphorus as P	mg/L	<0.01	<0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.02
<i>Escherichia coli</i>	CFU/100mL	33	46	430	510	320	380	360	210	180	170
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	3	4	4	6	5	6	4	6	13	16
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.