

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

Reporting Month: Sep-2024

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	11:25	11:25	10:40	10:40	09:55	09:55	11:55	11:55	09:15	09:15
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Parameter											
pH		6.9	6.8	7.4	7.3	9.1	9.1	6.8	6.7	7.0	7.0
Salinity	ppt	0.02	0.02	0.03	0.03	0.04	0.04	0.02	0.02	3.33	3.34
Temperature	°C	27.7	27.7	27.3	27.3	28.0	27.9	28.0	28.0	27.0	27.0
Turbidity	NTU	1.5	1.6	2.8	2.7	6.8	6.4	4.8	4.8	4.9	4.6
DO	mg/L	6.9	6.8	7.7	7.6	8.0	7.8	6.6	6.7	6.2	6.2
DO Saturation	%	88.0	86.4	96.6	95.7	102.0	98.8	84.7	85.2	79.4	79.8
Suspended Solids	mg/L	0.8	0.8	8.1	6.9	4.6	4.8	1.4	2.3	2.8	3.0
Ammonia as N	mg/L	<0.01	<0.01	0.03	0.03	0.08	0.07	0.11	0.06	0.11	0.10
Total Kjeldahl Nitrogen as N	mg/L	0.08	0.08	0.12	0.15	0.25	0.24	0.25	0.20	0.30	0.27
Total Phosphorus as P	mg/L	<0.01	<0.01	0.02	0.03	0.04	0.04	0.04	0.02	0.03	0.03
<i>Escherichia coli</i>	CFU/100mL	50	52	1600	800	1200	1500	1800	1900	2700	1400
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	3	3	4	7	6	6	5	5	4
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.