

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

Reporting Month: Jan-2025

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	10:30	10:30	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	0.4	0.4	0.4	0.4	0.5	0.5	0.3	0.3	0.6	0.6
Parameter											
pH		7.3	7.2	7.5	7.3	8.9	8.9	7.1	7.1	7.7	7.7
Salinity	ppt	0.02	0.02	0.04	0.04	0.09	0.09	0.03	0.03	33.84	33.90
Temperature	°C	16.7	16.7	15.9	15.9	16.2	16.1	16.6	16.6	18.7	18.7
Turbidity	NTU	3.2	3.1	2.7	2.7	1.6	1.5	6.8	6.2	9.5	9.0
DO	mg/L	10.7	10.6	9.6	9.3	8.8	9.1	8.3	8.2	5.1	5.2
DO Saturation	%	110.1	109.3	96.9	94.3	90.0	92.1	84.7	84.2	66.5	68.8
Suspended Solids	mg/L	<0.5	4.0	3.8	5.3	1.6	1.7	1.3	1.3	14.9	13.0
Ammonia as N	mg/L	<0.01	<0.01	0.06	0.06	0.19	0.19	0.67	0.83	0.09	0.08
Total Kjeldahl Nitrogen as N	mg/L	<0.05	<0.05	0.15	0.12	0.33	0.34	0.88	0.82	0.26	0.22
Total Phosphorus as P	mg/L	<0.01	<0.01	0.06	0.06	0.05	0.06	0.11	0.10	0.02	0.02
<i>Escherichia coli</i>	CFU/100mL	10	14	780	810	1000	1000	5200	6600	150	280
Biochemical Oxygen Demand	mg/L	1.3	1.0	1.3	1.6	2.1	1.5	2.8	3.4	1.2	1.0
Chemical Oxygen Demand	mg/L	5	4	4	7	5	6	8	9	<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.