

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

Reporting Month: Feb-2024

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	11:00	11:00	10:25	10:25	09:50	09:50	11:35	11:35	09:10	09:10
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5
Parameter											
pH		7.6	7.5	8.0	7.9	9.7	9.7	7.2	7.2	7.9	8.1
Salinity	ppt	0.02	0.02	0.04	0.04	0.08	0.08	0.03	0.03	29.67	29.96
Temperature	°C	20.7	20.6	20.2	20.2	21.4	21.3	21.1	21.1	20.5	20.6
Turbidity	NTU	1.7	2.1	5.6	5.4	2.6	2.5	1.7	1.5	4.4	4.5
DO	mg/L	7.2	7.8	8.1	7.6	8.9	9.5	8.0	7.9	7.8	7.6
DO Saturation	%	80.1	86.7	89.0	83.8	100.1	106.5	89.5	88.2	103.2	101.4
Suspended Solids	mg/L	0.7	0.6	5.1	16.4	3.3	3.0	4.7	2.5	0.8	0.9
Ammonia as N	mg/L	0.02	0.02	0.10	0.12	0.37	0.37	0.57	0.60	0.10	0.09
Total Kjeldahl Nitrogen as N	mg/L	0.06	<0.05	0.24	0.32	0.63	0.66	0.85	0.88	0.24	0.26
Total Phosphorus as P	mg/L	<0.01	<0.01	0.06	0.07	0.07	0.08	0.15	0.15	0.02	0.02
<i>Escherichia coli</i>	CFU/100mL	58	40	55	55	200	120	520	570	46	41
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	1.5	1.6	2.7	2.3	<1.0	<1.0
Chemical Oxygen Demand	mg/L	3	4	5	5	6	4	8	7	<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.