

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

Reporting Month: Dec-2024

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	11:30	11:30	10:55	10:55	10:00	10:00	12:05	12:05	09:15	09:15
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.4	0.4	0.3	0.3	0.5	0.5	0.3	0.3	0.5	0.5
Parameter											
pH		7.1	6.9	7.2	7.1	8.1	8.1	6.8	6.8	7.4	7.3
Salinity	ppt	0.02	0.02	0.03	0.03	0.17	0.16	0.02	0.02	31.35	31.86
Temperature	°C	15.1	15.1	14.4	14.4	14.5	14.4	15.1	15.1	17.8	18.1
Turbidity	NTU	2.3	2.5	1.6	1.5	2.4	2.0	3.3	3.4	9.6	9.3
DO	mg/L	9.9	8.8	10.2	9.9	10.4	10.0	11.1	10.3	6.2	6.0
DO Saturation	%	98.7	87.8	100.1	96.6	102.1	97.7	110.5	102.0	78.6	76.7
Suspended Solids	mg/L	<0.5	<0.5	1.6	4.4	1.9	1.8	0.6	1.8	0.8	0.6
Ammonia as N	mg/L	<0.01	0.01	0.22	0.20	0.32	0.31	0.09	0.04	0.09	0.09
Total Kjeldahl Nitrogen as N	mg/L	0.06	<0.05	0.32	0.29	0.40	0.46	0.09	0.14	0.21	0.24
Total Phosphorus as P	mg/L	<0.01	<0.01	0.06	0.07	0.07	0.08	0.01	0.02	0.02	0.04
<i>Escherichia coli</i>	CFU/100mL	9	11	1000	900	1100	1000	14	16	47	52
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	1.2	1.0	<1.0	<1.0	<1.0	<1.0
Chemical Oxygen Demand	mg/L	<2	<2	6	7	7	6	5	6	<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.