

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

Reporting Month: Nov-2024		RP1		RP2		RP4		PW1		PW3	
Monitoring Station	Unit	1	2	1	2	1	2	1	2	1	2
Replicate											
Sampling Time	-	11:25	11:25	10:45	10:45	10:00	10:00	11:50	11:50	09:20	09:20
Weather	-	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine
Sampling Depth	m	0.5	0.5	0.4	0.4	0.7	0.7	0.4	0.4	0.5	0.5
Parameter											
pH		7.0	6.7	7.1	7.0	8.8	8.9	6.6	6.5	6.9	6.9
Salinity	ppt	0.02	0.02	0.03	0.03	0.05	0.05	0.02	0.02	6.41	6.52
Temperature	°C	24.6	24.4	24.2	24.2	24.8	24.9	24.4	24.3	24.7	24.7
Turbidity	NTU	1.2	1.1	3.0	2.6	3.3	3.3	2.6	2.9	8.0	7.9
DO	mg/L	7.6	8.2	7.2	7.2	8.6	8.0	8.0	8.1	6.2	6.1
DO Saturation	%	91.0	98.3	86.2	85.3	103.1	96.6	95.4	97.0	77.5	76.7
Suspended Solids	mg/L	1.0	1.0	1.9	1.8	2.9	2.4	1.6	2.0	7.2	7.1
Ammonia as N	mg/L	<0.01	<0.01	0.06	0.04	0.08	0.12	<0.01	<0.01	0.14	0.11
Total Kjeldahl Nitrogen as N	mg/L	0.12	0.14	0.23	0.21	0.30	0.30	0.14	0.13	0.34	0.35
Total Phosphorus as P	mg/L	0.01	0.01	0.04	0.04	0.06	0.06	<0.01	<0.01	0.04	0.04
<i>Escherichia coli</i>	CFU/100mL	18	27	1200	610	900	530	340	410	830	750
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	1.4	1.3	<1.0	<1.0	1.9	1.7
Chemical Oxygen Demand	mg/L	4	4	4	4	8	5	4	4	40	37
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.