

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

Reporting Month: Nov-2023

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	14:05	14:05	11:30	11:30	09:40	09:40	14:35	14:35	09:05	09:05
Weather	-	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
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		6.6	6.6	6.7	6.7	9.1	9.1	6.6	6.7	7.2	7.2
Salinity	ppt	0.02	0.02	0.03	0.03	0.06	0.05	0.02	0.02	27.88	27.91
Temperature	°C	21.7	21.7	21.8	21.8	21.6	21.6	21.7	21.7	24.5	24.6
Turbidity	NTU	1.4	1.4	1.6	1.5	1.1	1.1	5.8	5.3	6.2	6.1
DO	mg/L	9.8	9.6	8.7	8.7	10.3	10.0	9.7	9.6	3.0	3.0
DO Saturation	%	111.2	109.1	99.1	98.5	117.3	113.2	109.8	108.9	42.5	42.7
Suspended Solids	mg/L	0.7	0.5	4.4	1.6	1.0	1.1	1.2	1.2	3.2	2.1
Ammonia as N	mg/L	<0.01	<0.01	0.03	0.04	0.14	0.15	0.08	0.08	0.05	0.04
Total Kjeldahl Nitrogen as N	mg/L	<0.05	0.05	0.12	0.12	0.26	0.26	0.15	0.17	0.14	0.13
Total Phosphorus as P	mg/L	<0.01	<0.01	0.03	0.03	0.04	0.04	0.02	0.02	0.02	0.01
<i>Escherichia coli</i>	CFU/100mL	12	10	31	21	53	62	55	42	31	28
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	<2	<2	3	3	4	3	4	3	7	7
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.