

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

**Reporting Month: Mar-2023**

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	09:10	09:10	10:30	10:30	11:15	11:15	09:50	09:50	12:00	12:00
Weather	-	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
Sampling Depth	m	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
Parameter											
pH		7.4	7.2	6.9	6.8	8.6	8.8	6.9	6.8	8.3	8.3
Salinity	ppt	0.03	0.03	0.04	0.04	0.19	0.18	0.05	0.05	27.37	27.56
Temperature	°C	22.4	22.3	22.3	22.3	24.0	24.1	22.6	22.6	24.0	24.0
Turbidity	NTU	1.5	1.3	2.7	2.3	9.4	9.1	1.3	1.4	5.9	5.1
DO	mg/L	7.2	7.4	7.3	7.1	7.3	7.4	5.6	5.6	8.1	8.1
DO Saturation	%	83.3	85.5	84.3	81.7	87.0	87.9	65.0	65.0	112.1	112.2
Suspended Solids	mg/L	1.5	1.9	6.2	6.9	12.1	11.6	2.6	2.7	18.5	13.5
Ammonia as N	mg/L	0.02	0.02	0.03	0.01	0.06	0.04	0.73	0.73	0.05	0.05
Total Kjeldahl Nitrogen as N	mg/L	0.15	0.11	0.23	0.27	0.52	0.40	1.07	0.99	0.33	0.41
Total Phosphorus as P	mg/L	<0.01	<0.01	0.05	0.06	0.04	0.05	0.13	0.12	0.02	0.03
<i>Escherichia coli</i>	CFU/100mL	420	310	300	230	620	700	1400	1200	26	21
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	1.4	1.3	1.9	1.8	1.4	1.1
Chemical Oxygen Demand	mg/L	6	7	9	6	12	11	10	12	94	113
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.