

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

**Reporting Month: Mar-2024**

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	10:00	10:00	10:55	10:55	13:30	13:30	10:30	10:30	14:50	14:50
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6
Parameter											
pH		6.8	6.9	6.9	6.9	10.3	10.5	6.8	6.8	8.6	8.7
Salinity	ppt	0.03	0.03	0.06	0.06	0.18	0.18	0.04	0.04	29.46	29.86
Temperature	°C	17.5	17.6	18.7	18.7	27.5	27.9	18.0	18.0	22.9	22.8
Turbidity	NTU	2.0	1.8	6.1	6.3	4.4	4.4	3.4	3.5	14.9	14.8
DO	mg/L	7.7	7.3	8.1	8.0	7.2	7.2	8.4	8.3	15.9	15.2
DO Saturation	%	80.7	76.8	86.2	86.0	90.8	92.0	88.4	87.3	219.3	209.4
Suspended Solids	mg/L	0.6	3.2	6.9	16.4	3.0	2.6	3.4	3.1	2.8	5.0
Ammonia as N	mg/L	0.03	<0.01	0.07	0.08	0.19	0.18	0.42	0.51	0.12	0.10
Total Kjeldahl Nitrogen as N	mg/L	0.08	0.08	0.19	0.20	0.52	0.51	0.62	0.64	0.25	0.23
Total Phosphorus as P	mg/L	<0.01	<0.01	0.07	0.08	0.08	0.08	0.09	0.10	0.03	0.03
<i>Escherichia coli</i>	CFU/100mL	38	39	150	170	<1	<1	33	33	11	15
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	1.1	1.2	1.1	1.6	1.3	1.3
Chemical Oxygen Demand	mg/L	6	5	6	6	10	12	6	8	<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.