

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

**Reporting Month: Dec-2023**

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	11:15	11:15	10:45	10:45	10:00	10:00	11:45	11:45	09:20	09:20
Weather	-	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast	Overcast
Sampling Depth	m	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.5	0.5
Parameter											
pH		7.1	7.0	7.4	7.4	10.2	10.2	6.9	6.9	7.5	7.6
Salinity	ppt	0.02	0.02	0.03	0.03	0.07	0.07	0.02	0.02	27.88	27.92
Temperature	°C	16.4	16.4	16.1	16.1	15.7	15.7	16.4	16.4	19.1	19.1
Turbidity	NTU	0.7	0.7	2.1	2.0	1.2	1.1	1.7	1.5	7.1	6.9
DO	mg/L	9.1	9.2	9.4	9.2	10.6	10.1	7.8	7.7	4.7	4.8
DO Saturation	%	93.2	93.6	95.1	93.8	106.3	101.4	79.4	79.1	60.5	61.3
Suspended Solids	mg/L	<0.5	<0.5	4.6	1.4	1.2	3.3	4.2	1.7	1.9	1.9
Ammonia as N	mg/L	0.03	<0.01	0.05	0.05	0.16	0.16	0.23	0.25	0.04	0.04
Total Kjeldahl Nitrogen as N	mg/L	<0.05	0.07	0.21	0.16	0.32	0.36	0.37	0.38	0.17	0.16
Total Phosphorus as P	mg/L	<0.01	<0.01	0.04	0.03	0.05	0.05	0.05	0.04	0.02	0.01
<i>Escherichia coli</i>	CFU/100mL	24	15	320	230	8	12	410	360	14	17
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	1.3	1.6	1.1	<1.0	<1.0
Chemical Oxygen Demand	mg/L	2	3	4	4	5	4	4	5	12	9
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.