

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

Reporting Month: May-2024

Monitoring Station		RP1		RP2		RP4		PW1		PW3	
Replicate	Unit	1	2	1	2	1	2	1	2	1	2
Sampling Time	-	09:05	09:05	10:10	10:10	10:40	10:40	09:35	09:35	13:35	13:35
Weather	-	Overcast	Overcast	Overcast	Overcast	Sunny	Sunny	Overcast	Overcast	Sunny	Sunny
Sampling Depth	m	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
Parameter											
pH		6.2	6.2	6.0	5.9	8.1	8.2	6.1	6.0	7.8	7.7
Salinity	ppt	0.02	0.02	0.05	0.05	0.09	0.09	0.03	0.03	3.31	3.60
Temperature	°C	24.5	24.5	25.2	25.2	27.6	27.7	24.9	24.9	28.7	28.7
Turbidity	NTU	1.8	2.2	6.8	6.9	8.9	8.6	3.4	3.2	11.2	11.6
DO	mg/L	7.5	7.3	7.3	7.2	7.6	7.6	7.2	7.1	5.9	5.8
DO Saturation	%	89.4	87.8	88.3	87.5	96.1	97.2	86.3	85.2	78.0	76.3
Suspended Solids	mg/L	1.2	1.1	4.2	4.3	7.1	6.8	6.5	6.2	7.0	6.4
Ammonia as N	mg/L	0.01	<0.01	0.03	0.04	0.13	0.12	0.29	0.28	0.18	0.17
Total Kjeldahl Nitrogen as N	mg/L	0.09	0.11	0.18	0.20	0.38	0.32	0.50	0.44	0.35	0.34
Total Phosphorus as P	mg/L	<0.01	<0.01	0.03	0.03	0.03	0.03	0.05	0.05	0.04	0.03
<i>Escherichia coli</i>	CFU/100mL	89	64	1600	1500	11	16	5900	3600	570	420
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	1.2	1.2	<1.0	<1.0	1.4	1.1	<1.0	<1.0
Chemical Oxygen Demand	mg/L	2	2	4	3	5	5	6	6	10	11
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.