

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

Reporting Month: Jun-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	10:15	10:15	11:00	11:00	09:35	09:35	13:25	13:25
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.3	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3
Parameter											
pH		7.1	7.1	5.1	5.1	9.0	9.0	6.3	6.5	7.7	7.5
Salinity	ppt	0.02	0.02	0.03	0.03	0.05	0.05	0.02	0.02	4.28	4.69
Temperature	°C	27.2	27.2	28.1	28.1	30.3	30.3	27.5	27.5	29.8	29.8
Turbidity	NTU	1.3	1.3	3.3	3.4	5.3	5.2	2.4	2.8	14.1	13.4
DO	mg/L	7.4	7.2	6.9	6.7	6.6	6.8	7.0	6.8	6.7	6.8
DO Saturation	%	92.6	90.3	88.6	86.1	87.2	90.8	88.0	86.3	90.4	91.8
Suspended Solids	mg/L	<0.5	<0.5	1.5	1.6	3.9	3.4	2.7	1.6	5.5	5.6
Ammonia as N	mg/L	<0.01	<0.01	0.04	0.03	0.09	0.08	0.09	0.10	0.07	0.08
Total Kjeldahl Nitrogen as N	mg/L	0.08	0.06	0.18	0.16	0.30	0.30	0.27	0.23	0.38	0.36
Total Phosphorus as P	mg/L	<0.01	<0.01	0.03	0.03	0.04	0.04	0.04	0.03	0.04	0.03
<i>Escherichia coli</i>	CFU/100mL	42	40	1200	1300	900	1000	900	1500	1300	1000
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	3	4	6	5	6	6	6	6	13	13
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.