

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

Reporting Month: Feb-2025		RP1		RP2		RP4		PW1		PW3	
Monitoring Station	Unit	1	2	1	2	1	2	1	2	1	2
Replicate											
Sampling Time	-	11:35	11:35	10:45	10:45	10:05	10:05	12:05	12:05	09:25	09:25
Weather	-	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny	Sunny
Sampling Depth	m	0.3	0.3	0.3	0.3	0.4	0.4	0.3	0.3	0.5	0.5
Parameter											
pH		7.0	7.1	7.6	7.4	9.2	9.2	6.8	6.8	7.6	7.6
Salinity	ppt	0.02	0.02	0.05	0.05	0.06	0.06	0.05	0.05	32.72	32.69
Temperature	°C	19.1	19.2	18.4	18.4	18.2	18.2	18.9	18.9	19.5	19.5
Turbidity	NTU	4.6	4.5	3.2	3.2	4.3	4.1	3.5	3.4	8.1	8.1
DO	mg/L	9.3	8.8	9.1	8.0	10.2	10.1	5.2	5.0	4.5	4.3
DO Saturation	%	100.0	95.2	96.4	85.3	108.4	107.5	56.0	53.3	59.0	56.9
Suspended Solids	mg/L	<0.5	<0.5	3.7	2.9	2.8	1.9	3.0	2.7	1.4	0.9
Ammonia as N	mg/L	0.01	<0.01	0.02	0.01	0.16	0.15	1.27	1.22	0.11	0.11
Total Kjeldahl Nitrogen as N	mg/L	<0.05	0.06	0.16	0.19	0.38	0.39	1.48	1.44	0.22	0.23
Total Phosphorus as P	mg/L	<0.01	<0.01	0.07	0.08	0.07	0.07	0.15	0.15	0.02	0.02
<i>Escherichia coli</i>	CFU/100mL	14	11	290	170	250	220	4700	5600	67	74
Biochemical Oxygen Demand	mg/L	<1.0	<1.0	<1.0	<1.0	1.2	1.1	3.0	3.2	<1.0	<1.0
Chemical Oxygen Demand	mg/L	<2	2	4	5	6	7	13	10	7	7
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.