Water Quality Monitoring – Sham Chung Pier

Limit Level for

Dissolved Oxygen (DO):

- 6.0 mg/L for Surface and Middle (Depth averaged)
- 4.2 mg/L for Bottom

Turbidity:

- 2.6 NTU or 130% upstream control station at the same tide of the same day, whichever is higher.

Suspended Solids (SS):

- 18.7 mg/L or 130% of upstream control station at the same tide of the same day, whichever is higher.

Notes:

- For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- For turbidity and SS, non-compliance of water quality limits occurs when monitoring result is higher than the limits.
- “Depth-averaged” is calculated by taking the arithmetic means of reading of all three depths.
- All the figures given in the table are used for reference only and the IEC may amend the figures whenever it is considered as necessary.
- The frequency of the water quality monitoring is 3 days per week during construction works.

Contract No. CV/2022/03

Reconstruction of Leung Shuen Wan Pier, Sham Chung Pier and Sam Mun Tsai Village Pier

- Sham Chung Pier

Water Quality Monitoring Results at IM1 - Mid-Flood Tide

Date	Weather Condition	Sea Condition**	Sampling Time	Water Depth (m)	Sampling Depth (m)		Temperature (°C)		pH		Salinity ppt		DO Saturation (%)		Dissolved Oxygen (mg/L)			Turbidity(NTU)			Suspended Solids (mg/L)		
							Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	DA*	Value	Average	DA*	Value	Average	DA*
2-Dec-23	Cloudy	Calm	13:30	8	Surface	1	23.4 23.4	23.4	8.1 8.1	8.1	31.7 31.7	31.7	90.9 90.3	90.6	6.5 6.4	6.5	6.4	1.1 1.1	1.1	1.2	9 9	9.0	9.3
					Middle	4	23.4 23.4	23.4	8.1 8.1	8.1	31.7 31.8	31.8	86.8 85.3	86.1	6.2 6.1	6.2		1.1 1.1	1.1		6 6	6.0	
					Bottom	7	23.4 23.4	23.4	8.1 8.1	8.1	31.8 31.8	31.8	85.5 84.7	85.1	6.1 6.0	6.1	6.1	1.3 1.3	1.3		13 13	13.0	

Remarks: *DA: Depth-Averaged

**Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher.