

Appendix 3.4

Final Investigation Report- Water Quality exceedance on May 2025

Notification of Exceedance

Contract:	CM 04/2024 - Outlying Islands Sewerage Stage 2 – South Lantau Sewerage Works – Environmental Team Services (2025 - 2027)							
Date:	29 May 2025			NOE Reference:		20250529-WQ		
Parameter:	Water Quality – Dissolved Oxygen							
		Depth Average		Criteria (Action Level /Limit Level)		Exceedance		
Station:	SR 4 – Ebb Tide	5.7 mg/L		Action Level: 5.9 Limit Level: 2.0		Action		
	SR 4 – Flood Tide	5.3 mg/L		Action Level: 5.9 Limit Level: 2.0		Action		
	SR 5 – Ebb Tide	5.6 mg/L		Action Level: 5.9 Limit Level: 2.0		Action		
	SR 5 – Flood Tide	5.8 mg/L		Action Level: 5.9 Limit Level: 2.0		Action		
	SR 6 – Flood Tide	5.8 mg/L		Action Level: 5.8 Limit Level: 4.0		Action		
	SR 9 – Ebb Tide	5.8 mg/L		Action Level: 5.9 Limit Level: 2.0		Action		
	SR 9 – Flood Tide	5.8 mg/L		Action Level: 5.9 Limit Level: 2.0		Action		
	SR 15 – Flood Tide	5.6 mg/L		Action Level: 5.8 Limit Level: 4.0		Action		
Station:	SR 4 – Ebb Tide	SR 4 – Flood Tide	SR 5 – Ebb Tide	SR 5 – Flood Tide	SR 6 – Flood Tide	SR 9 – Ebb Tide	SR 9 – Flood Tide	SR 15 – Flood Tide
Weather:	Cloudy	Fine	Cloudy	Fine	Fine	Cloudy	Fine	Fine
Sea Condition:	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Sampling Time:	14:02	6:26	13:21	6:35	6:52	12:59	7:09	6:19
Water Temperature:	26.6 °C	26°C	26.1°C	26.2°C	26.4°C	26.1°C	26.1°C	26.1°C
Other Observation:	No abnormal observation during water quality monitoring.							

Investigation Report

Recent Marine Works Near Monitoring Stations

Monitoring station SR9 is not located near the marine works area, construction activities at “Pui O Beach Outfall” would not have direct effect on the water quality at the monitoring station.

No marine works were conducted on 29 May 2025.

Potential of cause of exceedance:

No marine works were conducted on 29 May 2025, the sampling team did not observe any abnormal during water quality monitoring. A site investigation was conducted on 30 May 2025, abnormalities in seawater were observed, which is suspected to be an algae bloom. It is considered that the exceedance of Dissolved Oxygen would be due to natural fluctuation, and is not project related.

As such, extension of water quality monitoring beyond May 2025 is not considered necessary, and the water quality program is completed on 29 May 2025.

Photo Records

The sea condition at CF on 29 May 2025.



SUA Inspect at SR4 on 30 May 2025. An abnormal situation was detected, which is suspected to be an algae bloom.

