

Appendix H – Summary of Exceedance

Contract No. HATS 01/2025

Environment Team for Hung Shui Kiu Effluent Polishing Plant – Phase 1

Reporting Period: June 2026

(A) Exceedance Report for Water Quality

No Action Level and five (5) Limit Level exceedances were recorded for water quality monitoring in the reporting period.

(B) Exceedance Report for Air Quality

No Action Level and Limit Level exceedances were recorded for 1-hour TSP air quality monitoring in the reporting period.

The investigation results for the exceedance are attached as below:

- **Notification of Exceedance**

Date of Water Quality Monitoring: **05 June 2026**

Part A – Exceedance Summary Tables

Table III: Parameter(s) – Dissolved Oxygen (DO)

Control Station	Water Depth	Measured Value at Control Station (mg/L)	Impact Station	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	Measured Value (mg/L)
C1	Middle (0.5m)	5.2	M1	16:21	3.8	3.7	<u>2.23</u>

Bold means Action Level exceedance of Control (**Regular**) or Baseline (**Italic**)

Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic**)

- Notification of Exceedance

Date of Water Quality Monitoring: 08 June 2026

Part A – Exceedance Summary Tables

Parameter(s) – Turbidity (TURB)

Water Depth		Measured Value at Control Station (NTU)	Impact Station	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Middle	<0.5m	6.6	M1	14:47	17.2	17.7	7.9	8.6	<u>32.59</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 15 June 2026

Part A – Exceedance Summary Tables

Table I: Parameter(s) – Suspended Solids (SS)

Control Station	Water Depth	Measured Value at Control Station (mg/L)	Impact Station	Time (hrs)	Baseline Action Level (mg/L)	Baseline Limit Level (mg/L)	120% of Control Station Action Level (mg/L)	130% of Control Station Limit Level (mg/L)	Measured Value (mg/L)
C1	Middle (0.5m)	21.1	M1	16:18	25.0	26.0	25.3	27.4	<u>31.15</u>

Bold means Action Level exceedance of Control (**Regular**) or Baseline (**Italic**)

Bold with underline means Limit Level exceedance of Control (**Regular**) & Baseline (**Italic**)

- Notification of Exceedance

Date of Water Quality Monitoring: 15 June 2026

Part A – Exceedance Summary Tables

Parameter(s) – Turbidity (TURB)

Water Depth		Measured Value at Control Station (NTU)	Impact Station	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Middle	<0.5m	18.2	M1	16:18	17.2	17.7	21.8	23.7	<u>47.49</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 17 June 2026

Part A – Exceedance Summary Tables

Parameter(s) – Turbidity (TURB)

Water Depth		Measured Value at Control Station (NTU)	Impact Station	Time (hrs)	Baseline Action Level (NTU)	Baseline Limit Level (NTU)	120% of Control Station Action Level (NTU)	130% of Control Station Limit Level (NTU)	Measured Value (NTU)
Middle	<0.5m	13.3	M1	15:17	17.2	17.7	16.0	17.3	<u>23.95</u>

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- Investigation Report of Water Quality Action/Limit Level Exceedances in June 2026

Part A Details of Investigation

No Action Level and five (5) Limit Level exceedances were recorded for water quality monitoring in the reporting period of June 2026.

- One (1) Limit Level exceedance of Suspended Solids (SS) was recorded.
- Three (3) Limit Level exceedances of Turbidity (TUR) were recorded.
- One (1) Limit Level exceedance of Dissolved Oxygen (DO) was recorded.

In light of the situation, the Environmental Team (ET) has carried out investigations to see if the construction activities of this Project caused these.

According to the work schedule from the Contractor for the Eastern portion, the major construction activities of Contract No. DC/2024/11 was the construction of a temporary drainage system recently, and GI work for Contract No. DE/2024/09 was conducted. The ET auditor observed no leakage of untreated water from the project site during the inspection.

In addition, the DSD construction area is surrounded by the CEDD construction site. Therefore, we consider that the related pollution should not be in the DSD construction area.

Exceedances for Dissolved Oxygen (DO) on 05 June 2026

Dissolved Oxygen (DO) level at M1 (Impact Station) exceeded the Limit Level on 05 June 2026 (See **Photos 3a & 3b**). The stream flow from the upstream with sandbags and Geotextile was removed from the CEDD construction area (See **Photo 4**). However, our ET auditor observed several accumulations of debris, mainly plastic foam rubbish that chokes the main stream (See **Photo 5**). In addition, a blockage was observed downstream of C1 near the Kong Sham Western Highway at the CEDD construction site (See **Photos 6 & 7**).

The low stream flow from those issues reduced dissolved oxygen when there was no higher surface runoff from upstream or from the subchannel under the Kong Sam Western Highway due to rainfall. We considered that the low stream flow, due to the usual blocking caused by several debris accumulations and the CEDD contractor's construction arrangements, led to a decrease in dissolved oxygen.

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Therefore, we consider the one (1) Limit Level exceedance of Dissolved Oxygen (DO) on 05 June 2026 to be **non-project related**.

Exceedances for TUR & SS on 08, 15 and 17 June 2026

Turbidity (TUR) level at M1 (Impact Station) exceeded the Limit Level on 08, 15 & 17 June 2026, and Suspended Solid (SS) level at M1 (Impact Station) exceeded the Limit Level on 15 June 2026. The key observations and events during the water monitoring work and/or site inspections during the concerning period were:

- According to field staff observations, a higher turbidity or muddy water was observed at the monitoring location M1 on 08, 15 and 17 June 2026(See **Photos 1a, 1b, 2a & 2b**). The field staff cannot search for the pollution source due to the limited access to the construction site on those days. However, the ET Auditor observed the abnormal discharges from the pipe placed into the stream from the surrounding CEDD construction site during the weekly site inspection (See **Photos 6 & 7**)
- In addition, high rainfall was recorded surrounding the monitoring day, which may have led to the discharge of a high volume of runoff with topsoil, debris and settled mud from the sub-channel under Kong Sham Western Highway into the stream. (See **Photo 8**)
- No direct evidence that the recent exceedances were due to the construction activities of the Project.

Therefore, the following of the exceedances on 08, 15 & 17 June 2026 should be **non-project-related**. High rainfall and abnormal discharges from CEDD construction site is considered the main cause of the TUR & SS exceedances in the reporting month.

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Part B Photo Record



Photo 1a (Taken at C1 Station on 08 June 2026)



Photo 1b (Taken at M1 Station on 08 June 2026)

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Photo 2a (Taken at C1 Station on 15 June 2026)



Photo 2b (Taken at M1 Station on 15 June 2026)

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Photo 3a (Taken at C1 Station on 05 June 2026)



Photo 3b (Taken at M1 Station on 05 June 2026)

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Photo 4 (Taken at CEDD Construction site on 20 June 2026)



Photo 5 (Taken at the upstream of Monitoring station M1 on 12 June 2026)

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Photo 6 (Taken at the downstream of C1 near Kong Sham Western Highway on 12 June 2026)



Photo 7 (Taken at the downstream of C1 near Kong Sham Western Highway on 26 June 2026)

Remark: We observed that the build-up outfall was blocked, and the blue pipe was set up to pump out the accumulation of muddy water in the well and sediment tank.

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Photo 8 (Taken at Sub Channel under Kong Sham Western Highway near Monitoring station C1 on 12 June 2026)