

Appendix H – Summary of Exceedance

Contract No. HATS 01/2025

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

Reporting Period: May 2026

(A) Exceedance Report for Water Quality

No Action Level and six (6) 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:

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ET for Hung Shui Kiu Effluent Polishing Plant – Phase 1

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

Part A Details of Investigation

No Action Level and six (6) Limit Level exceedances were recorded for water quality monitoring in the reporting period of May 2026.

- One (1) Limit Level exceedance of Suspended Solids (SS) was recorded.
- Three (3) Limit Level exceedances of Turbidity (TUR) were recorded.
- Two (2) Limit Level exceedances of Dissolved Oxygen (DO) were 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 were the construction of a temporary drainage system recently, and no major construction activities for Contract No. DE/2024/09 were 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 18 and 28 May 2026

Dissolved Oxygen (DO) level at M1 (Impact Station) exceeded the Limit Level on 18 and 28 May 2026 (See **Photos 3ab**). The contractor at the CEDD construction site had usually been cutting off and blocking the stream flow from the upstream with sandbags and Geotextile (See **Photo 4**).

The low stream flow from this issue 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 from another construction project, led to a decrease in dissolved oxygen.

Therefore, we consider the two (2) Limit Level exceedances of Dissolved Oxygen (DO) on 18 and 28 May 2026 to be **non-project related**.

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

Exceedances for TUR & SS on 04, 15 and 20 May 2026

Turbidity (TUR) level at M1 (Impact Station) exceeded the Limit Level on 04, 15 & 20 May 2026 and Suspended Solid (SS) level at M1 (Impact Station) exceeded the Limit Level on 15 May 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 04, 15 and 20 May 2026(See **Photos 1ab & 2ab**). Unfortunately, the field staff cannot search for the pollution source or observe any evidence of abnormal discharges from the surrounding CEDD construction site due to limited access to the site.
- 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 5**)
- No direct evidence that the recent exceedances were due to the construction activities of the Project.

Therefore, the following of the exceedances should be **non-project-related**. High rainfall is considered the main cause of the TUR & SS exceedances in the reporting month.

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ET for Hung Shui Kiu Effluent Polishing Plant – Phase 1

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

Part B Photo Record



Photo 1a (Taken at C1 Station on 04 May 2026)



Photo 1b (Taken at M1 Station on 04 May 2026)

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



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



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

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ET for Hung Shui Kiu Effluent Polishing Plant – Phase 1

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



Photo 3a (Taken at C1 Station on 28 May 2026)



Photo 3b (Taken at M1 Station on 28 May 2026)

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



Photo 4 (Taken at CEDD Construction site on 26 May 2026)

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



Photo 5 (Taken at Sub Channel under Kong Sham Western Highway near Monitoring station C1 on 15 May 2026)

- Notification of Exceedance

Date of Water Quality Monitoring: 04 May 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	3.7	M1	15:55	17.2	17.7	4.4	4.8	<u>28.29</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 15 May 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)	3.0	M1	15:30	25.0	26.0	3.6	3.9	<u>37.95</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 May 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	4.4	M1	15:30	17.2	17.7	5.3	5.7	<u>65.83</u>

- **Notification of Exceedance**

Date of Water Quality Monitoring: **18 May 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 (0.5cm)	5.9	M1	15:23	3.8	3.7	<u>3.63</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: 20 May 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	8.6	M1	17:57	17.2	17.7	10.3	11.2	<u>35.0</u>

- **Notification of Exceedance**

Date of Water Quality Monitoring: **28 May 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	4.5	M1	16:31	3.8	3.7	<u>2.8</u>

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

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