

Appendix H – Summary of Exceedance

Contract No. HATS 01/2025

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

Reporting Period: April 2026

(A) Exceedance Report for Water Quality

One (1) Action Level and eight (8) 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: **10 April 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 <0.5 m	4.9	M1	14:30	3.8	3.7	<u>3.6</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: **13 April 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	5.0	M1	16:23	3.8	3.7	<u>2.4</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 April 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	5.7	M1	14:53	3.8	3.7	<u>3.2</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: **17 April 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	4.3	M1	15:23	3.8	3.7	3.7

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 April 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	4.2	M1	16:19	3.8	3.7	<u>3.4</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: 24 April 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	2.0	M1	16:06	25.0	26.0	2.4	2.6	<u>28.7</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: 24 April 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	5.6	M1	16:06	17.2	17.7	6.7	7.3	<u>80.4</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 28 April 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	4.7	M1	14:02	17.2	17.7	5.6	6.1	<u>23.2</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 30 April 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	7.0	M1	16:26	17.2	17.7	8.4	9.1	<u>19.3</u>

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ET for Hung Shui Kiu Effluent Polishing Plant – Phase 1

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

Part A Details of Investigation

One (1) Action Level and Eight (8) Limit Level exceedances were recorded for water quality monitoring in the reporting period of April 2026.

- One (1) Limit Level exceedance of Suspended Solids (SS) was recorded.
- Three (3) Limit Level exceedances of Turbidity (TUR) were recorded.
- One (1) Action Level and Four (4) 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 at Eastern portion, the major construction activities of contract No. DC/2024/11 were construction of temporary drainage system recently, and no major construction activities of 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 10, 13, 15, 17 and 20 April 2026

Dissolved Oxygen (DO) level at M1 (Impact Station) exceeded the Action Level on 17 April 2026 and the Limit Level on 10, 13, 15 and 20 April 2026.

According to the photorecord of follow-up action against the event of muddy water observed in March 2026, provided by CEDD, the stream flow from the upstream had usually been cut off and blocked (See photo 1a&1b and 2a&2b). We considered that the low stream flow caused by the usual blocking from another construction project caused the decreasing of dissolved oxygen. Therefore, we consider the one (1) Action Level and four (4) Limit Level exceedances of Dissolved Oxygen (DO) on 10, 13, 15, 17 and 20 April 2026 to be **non-project related**.

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ET for Hung Shui Kiu Effluent Polishing Plant – Phase 1

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

Exceedances for TUR & SS on 24, 28 and 30 April 2026

Turbidity (TUR) level at M1 (Impact Station) exceeded the Limit Level on 24, 28 & 30 April 2026 and Suspended Solid (SS) level at M1 (Impact Station) exceeded the Limit Level on 24 April 2026. The key observation and events during the water monitoring work and/or site inspections during the concerning period were:

- According to the field staff observation, muddy water at the monitoring location M1 was observed on 24, 28, and 30 April 2026 during monitoring (See Photos 3ab & 4ab). However, the staff cannot search for the pollution source due to the limited access to the construction site on those days.
- In addition, high rainfall was recorded on 24 April and 29 April, which may have resulted in the discharge of high volume of upstream muddy water into the stream from the sub-channel.
- No direct evidence that the recent exceedances were due to the construction activities of the Project.

The high TUR and SS levels are likely due to the abnormal discharges from the surrounding CEDD construction site and to the heavy rainfall.

Therefore, the following of the exceedances should be **non-project-related**. The rainfalls and abnormal discharges from the surrounding CEDD construction site are considered to be the cause of the TUR & SS exceedances.

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ET for Hung Shui Kiu Effluent Polishing Plant – Phase 1

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

Part B Photo Record



Photo 1a (Taken at C1 Station on 17 Apr 2026)



Photo 1b (Taken at M1 Station on 17 Apr 2026)

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



Photo 2a (Provided by CEDD, taken on 8 Apr 2026)



Photo 2b (Provided by CEDD, taken on 8 Apr 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 April 2026



Photo 3a (Taken at C1 Station on 24 Apr 2026)



Photo 3b (Taken at M1 Station on 24 Apr 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 April 2026



Photo 4a (Taken at C1 Station on 28 Apr 2026)



Photo 4b (Taken at M1 Station on 28 Apr 2026)