

Appendix H – Summary of Exceedance

Contract No. HATS 01/2025

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

Reporting Period: July 2026

(A) Exceedance Report for Water Quality

No Action Level and ten (10) 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: 06 July 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)	3.8	M1	15:29	25.0	26.0	4.6	4.9	<u>79.50</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: 06 July 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	8.3	M1	15:29	17.2	17.7	10.0	10.8	<u>250.57</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 17 July 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)	42.2	M1	16:14	25.0	26.0	50.6	54.9	<u>136.00</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 July 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	81.1	M1	16:14	17.2	17.7	97.3	105.4	<u>116.13</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 20 July 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)	19.2	M1	15:27	25.0	26.0	23.0	25.0	<u>67.50</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 July 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	60.0	M1	15:27	17.2	17.7	72.0	78.0	<u>111.79</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 27 July 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	23.9	M1	14:48	17.2	17.7	28.7	31.1	<u>49.58</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 29 July 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	31.9	M1	16:08	17.2	17.7	38.3	41.5	<u>78.37</u>

- Notification of Exceedance

Date of Water Quality Monitoring: 31 July 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)	35.1	M1	16:36	25.0	26.0	42.1	45.6	<u>62.60</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: 31 July 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	65.3	M1	16:36	17.2	17.7	78.4	84.9	<u>129.73</u>

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

Part A Details of Investigation

No Action Level and ten (10) Limit Level exceedances were recorded for water quality monitoring in the reporting period of July 2026.

- Four (4) Limit Level exceedances of Suspended Solids (SS) were recorded.
- Six (6) Limit Level exceedances of Turbidity (TUR) were recorded.
- No 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, piling work, GI work & grouting work 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 (see **Photos 6 & 7**). Therefore, we consider that the related pollution should not be in the DSD construction area.

Exceedances for TUR & SS on 06, 17, 20, 27, 29 and 31 July 2026

Turbidity (TUR) level at M1 (Impact Station) exceeded the Limit Level on 06, 17, 20, 27, 29 and 31 July 2026, and Suspended Solid (SS) level at M1 (Impact Station) exceeded the Limit Level on 06, 17, 20 & 31 July 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 on 06 July 2026 at the monitoring location M1 and on 17, 20, 27, 29 and 31 July 2026 at both monitoring locations C1 & M1 (See **Photos 1a, 1b, 2a, 2b, 3a & 3b**). The field staff cannot search for the pollution source because access to the construction site is limited on those days.
- Blockage of the main stream caused by accumulated plastic foam rubbish has been observed since June 2026, which severely impairs natural flushing capacity and increases the time we find muddy water in the stream (See **Photo 4**).

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

- 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**). Therefore, the exceedance cases are focused on the day or the day before the recorded high rainfall. (See **Appendix D**)
- No direct evidence that the recent exceedances were due to the construction activities of the Project.

Therefore, the following of the exceedances on 06, 17, 20, 27, 29 and 31 July 2026 should be **non-project-related**. High rainfall is considered the main cause of the TUR & SS exceedances in the reporting month.

However, the project team member observed that an excavator at the CEDD construction site cleaned the muddy water into the water bodies on 29 July 2026 (See **Photo 8**). In addition, the ET field staff observed the abnormal discharges from the pipe placed into the stream from the surrounding CEDD construction site at the downstream of monitoring location M1 during the water quality monitoring on 13 July 2026 (See **Photo 9**). Since those abnormal discharges are recorded on a non-monitoring day or observed downstream of monitoring location M1, they may not influence the monitoring result at monitoring location M1. The situation of any cause that exceeds water quality monitoring will be continuously monitored by ET, specifically the nearby CEDD construction site.

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Part B Photo Record



Photo 1a (Taken at C1 Station on 06 July 2026)



Photo 1b (Taken at M1 Station on 06 July 2026)

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



Photo 2a (Taken at C1 Station on 17 July 2026)



Photo 2b (Taken at M1 Station on 17 July 2026)

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Photo 3a (Taken at C1 Station on 31 July 2026)



Photo 3b (Taken at M1 Station on 31 July 2026)

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Photo 4 (Taken at the upstream of Monitoring station M1 on 15 July 2026)



Photo 5 (Taken at the Sub-Channel under Kong Sham Western Highway on 31 July 2026)

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Photo 6 (Taken at the site boundary between the DSD construction site and CEDD construction site on 31 July 2026)



Photo 7 (Taken at the site boundary between the DSD construction site and CEDD construction site on 31 July 2026)

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Photo 8 (Taken at the site boundary between the DSD construction site and CEDD construction site on 29 July 2026)



Photo 9 (Taken at the downstream of monitoring location M1 on 13 July 2026)