



**Contract No.: CV/2023/10**  
**Handling of Surplus Public Fill (2024-2027)**  
**– Tseung Kwan O Area 137 Fill Bank**

**Monthly EM&A Report No. 18**

**Certified by:**

A handwritten signature in blue ink, appearing to read "Tang Chung Hang".

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**Tang Chung Hang**  
**Environmental Team Leader**

**First Issue Date:** 13/02/2026

**Finalized Date:** 26/02/2026

By Post

Our Ref : P231104-EMA-TKOFB-202601-V

Date : 26<sup>th</sup>February 2026

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Attn: Mr. TANG Chung Hang

**Environmental Permit (EP) No. EP-134/2002/R**

**Fill Bank at Tseung Kwan O Area 137**

**Monthly EM&A Report for January 2026**

Dear Sir,

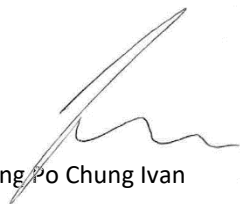
Pursuant to Condition 3.4 of Environmental Permit (EP) No. EP-134/2002/R, please note the report "*Tseung Kwan O Area 137 Fill Bank Monthly EM&A Report No. 18 (January 2026)*" dated 26 February 2026 submitted under the EP, certified by the Environmental Team Leader on 26 February 2026, had been reviewed and is hereby verified.

Should you have any query, please feel free to contact the undersigned at 3756 9590 or [ivanting@umwelt.consulting](mailto:ivanting@umwelt.consulting).

Your faithfully,

For and on behalf of:

Umwelt Consulting Limited



Ting Po Chung Ivan

Independent Environmental Checker

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## EXECUTIVE SUMMARY

This Monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. CV/2023/10 Handling of Surplus Public Fill (2024-2027) – Tseung Kwan O Area 137 Fill Bank (hereafter referred to as “the Contract”). 3NV Technology Limited was appointed as the Environmental Team (ET) to implement the EM&A program in compliance with the EP and the EM&A Manuals.

According to the Environmental Permit No. EP-134/2002/R, an EM&A programme should be implemented in accordance with the procedures and requirements in the EM&A Manual of the approved EIA report (Registration No. AEIAR-060/2002). The scope of monitoring works includes air quality, noise, water quality and environmental site audit.

This is 18th Monthly Environmental Monitoring and Audit (EM&A) Report for the Contract which summaries findings of the EM&A works conducted during the reporting period from 01 January to 31 January 2026.

### **Site Activities**

As informed by the Contractor, site activities were carried out in this reporting month:

- Operation of the Public Fill Reception Facilities at TKOFB;
- Operation of Dewatering Plant and Expanded Dewatering Plant at TKOFB;
- Operation and Maintenance of Artificial Intelligent System for Crushing Number 2, 3 and 4 (Model QJ241) at TKOFB;
- Operation of Integrated Public Fill Reception Platform (Fixed Rigid Platform) at TKOFB;
- Operation and Maintenance of Wheel Washing Bays and Facilities at TKOFB;
- Operation and Maintenance of Wash Houses at TKOFB;
- Personnel Position Tracking and Proximity Detection System of Moving Plant at TKOFB;
- Operation and Maintenance a Digital Woks Supervision System (DWSS) for TKOFB;
- Maintenance of the Drainage Systems at TKOFB;
- Operation and Maintenance of Crushing Plant at TKOFB;
- Delivery of Public Fill to Taishan at TKOFB;
- Implementation of C Easy system at TKOFB (Phase 1);
- Carry out GCO Probe test and SRT;
- Operation of recycling public fill as blanket layer material of reclamation projects ;
- PMI No. 94 – Post Geotechnical Monitoring at TKOFB;
- Ground Investigation Works at TKOFB – Batch 2;
- Relocation work at TKOFB

### **Environmental Monitoring and Audit Progress**

The monthly EM&A programme was undertaken in accordance with the EM&A Manual for this Contract. The summary of the monitoring activities in this reporting month is listed below:

- 24-hour TSP Monitoring: 5 Occasions at 4 designated locations
- 1-hour TSP Monitoring: 15 Occasions at 4 designated locations
- Noise Monitoring (Day-time): 1 Occasions at 1 designated location
- Marine Water Quality Monitoring: 13 Occasions at 5 designated locations
- Weekly Site inspection: 4 Occasions

### **Air Quality Monitoring**

No exceedance of Action and Limit levels was recorded for 1-hr and 24-hr TSP monitoring in the reporting month.

### **Noise Monitoring**

No exceedance of Action and Limit levels for noise monitoring was recorded in the reporting month.

### **Marine Water Quality Monitoring**

According to the summary of water monitoring results, there are a total of 9 and 9 action level and limit level exceedances on suspended solids respectively on 9 monitoring days in this reporting month. After investigation, there were concluded that the exceedances were not relevant to this Contract. The Investigation Reports for Action or Limit Level Non-compliance were provided in **Appendix L**. Other than the above exceedance, no exceedance of Action and Limit level was recorded in the reporting month.

### **Summary of Exceedance for Marine Water Quality Monitoring in the Reporting Period**

Parameter	No. of non-project related exceedance		Total No. of non-project related exceedances	No. of exceedances related to the project		Total No. of exceedances related to the project
	Action Level	Limit Level		Action Level	Limit Level	
Dissolved Oxygen	0	0	0	0	0	0
Turbidity	0	0	0	0	0	0
Suspended Solids	9	9	18	0	0	0

### **Weekly Site Inspections**

In general, performance on environmental mitigation measures implemented was found to be satisfactory in this reporting month. The major findings observed during site inspections are presented in the **Section 5.0**.

### **Complaint Log**

There was no complaint received in relation to the environmental impact during the reporting period.

### **Notifications of Summons and Successful Prosecutions**

There were no notifications of summons or prosecutions received during the reporting period.

### **Reporting Change**

There were no reporting changes during the reporting period.

### **Future Key Issues**

The future key issues to be undertaken in the upcoming month are as follows:

- Noise and air quality impact due to site works;
- Maintain wheel washing facilities properly;
- Maintain all drainage and desilting facilities properly;
- Use and maintain silt curtain properly;
- Clean up the fill material on concrete pavement along the BHA frequently;
- Sufficient drip trays for all oil drums / chemical containers;
- Implement all necessary preventive measures to avoid oil leakage. In the event an oil leakage happens, the Contractor should properly remove the leaked oil and handle the contaminated soil and all materials using for this cleaning works as chemical waste;
- Maintain good site practice and waste management to minimize environmental impacts at the site; and
- Follow-up improvements on waste management issues.

## 1. INTRODUCTION

### 1.1. Basic Project Information

- 1.1.1. This Monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Contract No. CV/2023/10 Handling of Surplus Public Fill (2024-2027) – Tseung Kwan O Area 137 Fill Bank (hereafter referred to as “the Contract”). The Contract was awarded to China Harbour Engineering Co Ltd (CHEC) by the Civil Engineering and Development Department (CEDD) and 3NV Technology Limited was appointed as the Environmental Team (ET) by CHEC to implement the EM&A program in compliance with the EP and the EM&A Manuals.
- 1.1.2. According to the Environmental Permit No. EP-134/2002/R, an EM&A programme should be implemented in accordance with the procedures and requirements in the EM&A Manual of the approved EIA report (Registration No. AEIAR-060/2002). The scope of monitoring works includes air quality, noise, water quality and environmental site audit.
- 1.1.3. The scope of monitoring works includes air quality, noise, water quality and environmental site audit. The EM&A requirements for each parameter described in the following sections include:
- All monitoring parameters;
  - Monitoring schedules for the reporting month and forthcoming months;
  - Action and Limit levels for all environmental parameters;
  - Event/Action Plans;
  - Environmental mitigation measures, as recommended in the Project EIA study final report; and
  - Environmental requirements in contract documents.
- 1.1.5. As part of the project EM&A program, baseline monitoring was conducted in August 2002 and October 2002 by MaterialLab to determine the ambient environmental conditions before the project commence any major construction works.
- 1.1.6. This is the 18th Monthly Environmental Monitoring and Audit (EM&A) Report for the Contract which summaries the audit findings of the EM&A programme during the reporting period from 01 January to 31 January 2026.

### 1.2. Project Information

- 1.2.1. The scale and scope of the Project as stated in the EP include:
- Site clearance;
  - Construction of a temporary storm water system;
  - Stockpiling of 6 million m<sup>3</sup> of public fill;
  - Setting up two barging points: one at the TKO Basin and one at the Construction and Demolition Material Sorting Facility (C&DMSF) for transporting the stockpiled public fill by barges;
  - Setting up a temporary barging point at the existing Explosive Off-loading Barging Point located in the south-eastern part of Area 137 for the month of May 2004 to December 2004 for transporting the stockpiled public fill by barge;
  - Construction and operation of a Construction and Demolition Material Sorting Facility (C&DMSF);
  - Setting up a Construction and Demolition Material Crushing Facility at the TKO Basin; and
  - Remove the temporary fill bank.
- 1.2.2. TKO Area 137 Fill Bank is located at the southern end of Wan Po Road. In the vicinity of the site are other industrial uses such as SENT landfill, TKO Industrial Estate, etc. Both Island Resort and Fullview Garden are also situated at more than 1.8km from the site. Other existing ASRs and NSRs, including resident developments and schools, are located at a further distance away from TKO Area 137.

### 1.3. Project Organization

- 1.3.1. The project organization structure and lines of communication with respect to the on-site environmental management structure is shown in **Appendix A**. The key personnel contact names and numbers are summarized in **Table 1.1**.

**Table 1.1 Contact Information of Key Personnel**

Party	Position	Name of Key Staff	Tel. No.	Fax No.
CEDD	Engineer's Representative	Mr. C.W.Au Yeung, Andrew Cheung	2623 9267 / 2762 5588	2714 0113
Independent Environmental Checker (Umwelt)	IEC	Mr. Ivan Ting	3756 9590	3582 3310
Contractor (CHZH-JV)	Senior Project Manager	Zhou Chang Ying	9626 6299	2247 4108
Environmental Team (3NV)	Environmental Team Leader	Frankie Tang	9701 2066	2120 3474

### 1.3. Construction Programme

1.3.1. A copy of the Contractor's construction programme is provided in **Appendix B**.

### 1.4. Construction Works Undertaken During the Reporting Period

1.4.1. A summary of the construction activities undertaken during this reporting period is shown below:

- Operation of the Public Fill Reception Facilities at TKOFB;
- Operation of Dewatering Plant and Expanded Dewatering Plant at TKOFB;
- Operation and Maintenance of Artificial Intelligent System for Crushing Number 2, 3 and 4 (Model QJ241) at TKOFB;
- Operation of Integrated Public Fill Reception Platform (Fixed Rigid Platform) at TKOFB;
- Operation and Maintenance of Wheel Washing Bays and Facilities at TKOFB;
- Operation and Maintenance of Wash Houses at TKOFB;
- Personnel Position Tracking and Proximity Detection System of Moving Plant at TKOFB;
- Operation and Maintenance a Digital Works Supervision System (DWSS) for TKOFB;
- Maintenance of the Drainage Systems at TKOFB;
- Operation and Maintenance of Crushing Plant at TKOFB;
- Delivery of Public Fill to Taishan at TKOFB;
- Implementation of C Easy system at TKOFB (Phase 1);
- Carry out GCO Probe test and SRT;
- Operation of recycling public fill as blanket layer material of reclamation projects;
- PMI No. 94 – Post Geotechnical Monitoring at TKOFB;
- Ground Investigation Works at TKOFB – Batch 2;
- Relocation work at TKOFB

## 2. AIR QUALITY MONITORING

### 2.1. Monitoring Requirements

2.1.1. 1-hr and 24-hr TSP levels were monitored in the reporting month in accordance with the EM&A Manual. Four air monitoring locations were selected which was shown in **Figure 1**.

2.1.2. **Table 2.1** summarizes the air quality monitoring locations of this project.

**Table 2.1 Air Quality Monitoring Locations**

Monitoring Station ID	Monitoring Location
TKO-A1	Site Egress
TKO-A2a	CREO
TKO-A3	A4 Gabion Wall
TKO-A4	TKO Desalination Plant

## 2.2. Monitoring Equipment

### 1-hr and 24-hr TSP Monitoring

1-hr TSP levels were measured by using real-time dust monitor (air sensor) which are capable of producing comparable results as the by high volume sampling method, to indicate continuous dust impacts. **Table 2.2** summarized the dust meter model used during the baseline monitoring. Copies of calibration certificates for dust meters were attached in **Appendix C1**.

**Table 2.2 Air Quality Monitoring Equipment**

Equipment	Model
Real-Time Dust Monitor (Air Sensor)	3NVA - 3000
High Volume Sampler (HVS)	Tisch TE-5170X
Calibrator	Tisch TE-5025A

#### Air quality monitoring (Real-Time Dust Monitor)

##### Measuring Procedures

The measuring procedures of the dust meter are in accordance with the Manufacturer's instruction Manual as follows:

- Check the power connection to ensure the power supply is enough to conduct the TSP monitoring;
- Press ON SWITCH to start the TSP monitoring;
- Review the TSP data directly on site and calculate the TSP level by using the equation of the certificate.

##### Maintenance & Calibration (QA/QC)

- Dust monitor should be checked at 3-month intervals and calibrated at half-year intervals throughout all stages of air quality monitoring.

#### Wind Data Monitoring

Wind data (wind speed and wind direction) were directly extracted from Hong Kong Observatory. All wind data during this reporting month are shown in **Appendix F**.

## 2.3. Monitoring Parameters, Frequency and Duration

**2.3.1. Table 2.3** summarizes the monitoring parameters, monitoring duration and frequencies of impact air quality monitoring.

**Table 2.3 Monitoring Parameters, Duration and Frequencies of Impact Air Quality Monitoring**

Parameter	Duration	Frequency
1-hr TSP	1 hr (0800-1900)	Three times per 6 days
24-hr TSP	24 hr	Once per 6 days

**2.3.2.** In this reporting period, a total of 18 occasions of 1-hour TSP monitoring and 6 events of 24-hour TSP monitoring were undertaken and the schedule was shown in **Appendix C2**.

## 2.4. Action and Limit Levels

The Action and Limit levels for 1-hour TSP derived as illustrated in **Table 2.4**.

**Table 2.4 Action and Limit Levels for 1-hour TSP and 24-hour TSP**

Air Quality Monitoring Station	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )		24-hr TSP ( $\mu\text{g}/\text{m}^3$ )	
	Action Level	Limit Level	Action Level	Limit Level
TKO-A1	376	500	210	260
TKO-A2a*	376	500	210	260
TKO-A3	376	500	210	260
TKO-A4	376	500	210	260

Remark (\*): Since dust monitoring stations TKO-A2 and TKO-A2a are located close to the major dust emission sources and also close to the same sensitive receptor and no significant difference between them on the prevailing meteorological conditions, the baseline data from TKO-A2 (August and September 2002 by MaterialLab) can also be valid in the case of TKO-A2a.

## 2.5. Results and Observations

### 2.5.1. 1-hour and 24-hour TSP Monitoring Results

Monitoring data of both 1-hour and 24-hour TSP monitoring carried out in this reporting month are summarized in **Appendix C3**. Graphical presentation of 1-hour and 24-hour TSP monitoring results for the reporting month is shown in **Appendix C4**. Wind data included wind speed and wind direction was extracted from Hong Kong Observatory during this reporting month and is presented in **Appendix F**.

No exceedance of Action and Limit Level of 1-hr TSP and 24-hr TSP monitoring results was recorded during the reporting month.

### 2.5.2. Observation

Generally, 1-hr TSP and 24-hr TSP monitoring results fluctuated well below the Action Level in this reporting period. The major dust source observed near the monitoring stations was mainly from vehicles passing by the container yards and general earth works. It can be concluded that the contractor implemented sufficient dust mitigation measures during this reporting month.

## 2.6. Event and Action Plan

If the impact monitoring results exceed the Action and Limit Levels, the actions specified in **Appendix C5**.

## 3. NOISE MONITORING

### 3.1. Monitoring Requirements

3.1.1. Noise levels ( $L_{eq}$ ,  $L_{10}$  and  $L_{90}$ ) were monitored in the reporting month in accordance with the EM&A Manual.

3.1.2. One noise monitoring station, TKO-N1, which shown in **Figure 2**, was required to perform impact noise monitoring during this reporting period.

3.1.3. The noise monitoring station was summarized in **Table 3.1**.

**Table 3.1 Noise Monitoring Station**

Monitoring Station ID	Monitoring Location	Type of Measurement
TKO-N1	Outside Site Egress along Wan Po Road	Free Field

### 3.2. Monitoring Equipment

Sound level meters used for impact noise monitoring were Type 1 sound level meters capable of giving a continuous readout of the noise level reading including equivalent continuous sound pressure level ( $L_{eq}$ ) and percentile sound pressure level ( $L_x$ ). They complied with International Electro technical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1). **Table 3.2** summarized the noise monitoring equipment model used during the monitoring. Copies of calibration certificates for noise meters and calibrators were attached in **Appendix D1**.

**Table 3.2 Noise Monitoring Equipment**

Noise Monitoring Equipment	Model
Sound Level Meter	Svantek SV 971A
Sound Level Calibrator	Pulsar 105

### 3.3. Monitoring Duration and Frequency

3.3.1. Impact noise monitoring for the A-weighted levels  $L_{eq}$ ,  $L_{10}$  and  $L_{90}$  in 30-minute interval was recorded once per month.

**3.3.2.** In this reporting period, a total of 1 occasion of noise monitoring were undertaken and the schedule was shown in **Appendix D2**.

**3.4. Monitoring Methodology**

Instrumentation

Integrating Sound Level Meters were employed for noise monitoring.

Operation/Analysis Procedures

- The Sound Level Meter was set on a tripod at a height of 1.2m above the ground.
- For free field measurement, the meter was positioned away from any nearby reflective surfaces.
- The battery condition was checked to ensure the correct functioning of the meter.
- Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:
  - Frequency weighting : A
  - Time weighting : Fast
  - Time measurement : 30 mins
- Prior to and after each noise measurement, the meter was calibrated using a Calibrator for 94 dB at 1000HZ. If the difference in the calibration level before and after measurement was more than 1 dB(A), the measurement would be considered invalid and repeat measurement would be required after re-calibration or repair of the equipment.
- During the monitoring period, the  $L_{eq}$ ,  $L_{10}$  and  $L_{90}$  were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- 3dB(A) correction had been added to the results if noise measurements were free-field.
- Noise monitoring would be cancelled in the presence of fog, rain, storm, wind with a steady speed exceeding 5m/s, or wind gusts exceeding 10m/s.

Maintenance and Calibration (QA/QC)

- The microphone head of the sound level meter and calibrator are cleaned with soft cloth at quarterly intervals.
- The meters are sent to the HOKLAS accredited laboratory or equivalent to check and calibrated at yearly intervals.

**3.5. Actions and Limit Level**

The Action and Limit Levels were established in **Table 3.3** for noise monitoring.

**Table 3.3 Action and Limit Levels for Noise Monitoring**

Time Period	Action	Limit
0700 –1900 hrs normal weekdays	When one documented complaint is received	75 dB(A)*

Remark: (\*70dB(A) for schools and 65dB(A) for schools during school examination period

**3.6. Results and Observations**

**3.6.1. Results**

Monitoring data of noise monitoring carried out in this reporting month are summarized in **Appendix D3**. Graphical presentation of noise monitoring results for the reporting month is shown in **Appendix D4**.

No exceedance of Action and Limit Level of noise monitoring results was recorded during the reporting month.

**3.6.2. Observation**

The noise monitoring data were found to be lower than the limit level. The major noise source during the monitoring event was the vehicles passing through the site entrance.

**3.8. Event and Action Plan**

If the impact monitoring results exceed the Action and Limit Levels, the actions specified in **Appendix D5**.

## 4. MARINE WATER QUALITY MONITORING

### 4.1. Monitoring Requirements

4.1.1. Water quality was monitored in the reporting month in accordance with the EM&A Manual at a total of five monitoring station, which shown in **Figure 3**.

4.1.2. **Table 4.1** shows the marine water quality monitoring stations.

**Table 4.1 Location of Marine Water Quality Monitoring Station**

Station Description	Station ID	HK Metric Grid E	HK Metric Grid N
Control Station	TKO-C1	844740.208	815371.502
	TKO-C1a	845647	814146
Monitoring Station	TKO-M4	847741.029	812977.878
	TKO-M4a	845922	813973
	TKO-M5	847005	813678

### 4.2. Monitoring Methodology and Equipment

#### For In-situ Water Quality Measurement

In-situ measurements at monitoring location including dissolved oxygen, turbidity, salinity, pH, and temperature are collected by equipment with the characteristics and functions listed as below:

#### Dissolved Oxygen, Turbidity, Salinity and Temperature Measurement

A portable, weatherproof multiparameter water quality meter (Horiba U-52G) which completed with cable, sensor and DC power source were used for measuring dissolved oxygen, turbidity, salinity and temperature. A membrane electrode with automatic temperature compensation complete with a cable is installed.

#### Water Depth Measurement

A portable, battery-operated echo sounder is used for the determination of water depth at each designated marine monitoring station.

The details of *in-situ* monitoring equipment were shown in **Table 4.2**.

**Table 4.2 Details of *in-situ* Monitoring Equipment**

Monitoring Parameters	Model	Range	Reporting Limit	Unit
Dissolved Oxygen	Multi-parameter water quality data logger (Horiba U-52G)	0 to 50	0.1	mg/L
Turbidity		0 to 4,000	0.1	NTU
Salinity		0 to 70	0.1	ppt
Temperature		-5 to 70	0.1	°C

**For Water Sampling and Sample Analysis**

**Water Sampler**

A water sampler (Wildco Beta Plus Horizontal Water Sampler) comprising a transparent PVC cylinder, with a capacity of not less than 2 liters, was lowered into the water body at the predetermined depth. Both opening ends of the sampler were then closed accordingly by dead weight and water samples were collected.

**Water Container**

The sample container, made by high-density polythene, was rinsed with a portion of the water sample. The water sample was then transferred to the container, labelled with a unique sample ID and sealed with a screw cap. The water samples were stored in a cool box maintained at 4°C. The water samples will then be delivered to Environmental Laboratory of ALS Technichem (HK) Pty Limited (HOKLAS Registration No. 066) on the same day for analysis according to the Standard Method APHA 19ed.

The summary of testing methods of testing parameters required was shown in **Table 4.3**.

**Table 4.3 Summary of Testing Procedures for Water Samples**

Testing Parameters	Testing Procedure	Detection Limit
Total suspended solids	In house method refer to APHA 19 <sup>th</sup> ed 2540D	2.0 mg/L

**4.3. Monitoring Frequency**

**4.3.1.** Water samples were collected 3 times per week. The monitoring frequency of the marine water monitoring is summarized in **Table 4.4**.

**Table 4.4 Monitoring Frequency of Marine Water Quality Monitoring**

Parameters	Frequency	No. of Stations	No. of Depths
Dissolved Oxygen	3 times per week 2 tides per day	5	3 (Surface, Mid-depth & Bottom)
Turbidity			
Salinity			
Temperature			
Total Suspended Solids			

**4.3.2.** In this reporting period, a total of 13 occasions of water quality monitoring were undertaken and the schedule was shown in **Appendix E2**.

**4.4. Quality Assurance (QA) / Quality Control (QC)**

For in-situ measurements, at each measurement / sampling, two consecutive measurements of turbidity and dissolved oxygen (DO) were taken. The probes were retrieved out of the water after the first measurement and then re-deployed for the second measurement. If the difference between the first and second measurement is greater than 25% the reading will be discarded and the measurements will be repeated.

For laboratory analysis of water, test method of all test parameters and the QA/QC samples were carried out in accordance with the requirements of HOKLAS.

For our QA/QC procedure, one QC sample, one duplicate sample and one sample spike of every batch of 20 samples were analysed.

The calibration certifications of water quality monitoring equipment was shown in **Appendix E1**.

**4.5. Actions and Limit Levels**

The Action and Limit Levels for monitoring parameters derived as illustrated in **Table 4.5**.

**Table 4.5 Action and Limit Levels for Water Quality**

Monitoring Station	Parameters	Action Level	Limit Level
TKO-C1 TKO-M4	Dissolved Oxygen	Surface & Middle <5.45 mg/L (5%-ile of baseline data)	Surface & Middle <5.10 mg/L (1%-ile of baseline data)
		Bottom <4.72 mg/L (5%-ile of baseline data)	Bottom <2.00 mg/L
	Suspended Solid	>6.74 mg/L (95%-ile of baseline data) or >120% of the upstream control station's SS at the same tide on the same day	>7.67 mg/L (99%-ile of baseline data) or >130% of the upstream control station's SS at the same tide on the same day
	Turbidity	>4.28 NTU (95%-ile of baseline data) or >120% of the upstream control station's turbidity at the same tide on the same day	>4.58 NTU (99%-ile of baseline data) or >130% of the upstream control station's turbidity at the same tide on the same day
TKO-C1a TKO-M4a TKO-M5	Dissolved Oxygen	Surface & Middle <5.5 mg/L	Surface & Middle <4.00 mg/L (1%-ile of baseline data)
		Bottom <5.2 mg/L	Bottom <2.00 mg/L
	Suspended Solid	>4.9 mg/L or >120% of the upstream control station's SS at the same tide on the same day	>5.2 mg/L or >130% of the upstream control station's SS at the same tide on the same day
	Turbidity	>3.9NTU or >120% of the upstream control station's turbidity at the same tide on the same day	>4.2 NTU or >130% of the upstream control station's turbidity at the same tide on the same day

**4.6. Result and Observation**

**4.6.1. Result**

Monitoring data of water quality monitoring carried out in this reporting month are summarized in **Appendix E3**. Graphical presentation of the monitoring results for the reporting month is shown in **Appendix E4**.

According to the summary of water monitoring results, there are a total of 9 and 9 action level and limit level exceedances on suspended solids respectively on 9 monitoring days in this reporting month. After investigation, there were concluded that the exceedances were not relevant to this Contract. The Investigation Reports for Action or Limit Level Non-compliance were provided in Appendix L. Other than the above exceedance, no exceedance of Action and Limit level was recorded in the reporting month. A summary of exceedance records is presented in **Table 4.6** and **Table 4.7**.

**Table 4.6 Summary of Cumulative Exceedance Records of Water Quality Monitoring**

Parameter	No. of non-project related exceedance		Total No. of non-project related exceedances	No. of exceedances related to the project		Total No. of exceedances related to the project
	Action Level	Limit Level		Action Level	Limit Level	
Dissolved Oxygen	0	0	0	0	0	0
Turbidity	0	0	0	0	0	0
Suspended Solids	9	9	18	0	0	0

**Table 4.7 Summary of Exceedance Records of Water Quality Monitoring in the Reporting Month**

Date	Station	Tide	Parameter (Unit)	Depth-averaged Measured Value	Level Exceedance	Exceedance due to the Project (Y/N)
02/01/2026	TKO-M4	Ebb	Suspended Solids (mg/L)	6.7	Limit	N
05/01/2026	TKO-C1a	Flood		5.2	Action	N
	TKO-M5	Flood		9.7	Limit	N
	TKO-M5	Ebb		5.5	Limit	N
	TKO-C1a	Flood		5.5	Limit	N
07/01/2026	TKO-M4a	Flood		5.2	Action	N
	TKO-M5	Flood		5.3	Limit	N
	TKO-M4	Ebb		2.5	Action	N
14/01/2026	TKO-C1a	Ebb		20.3	Limit	N
	TKO-M4a	Ebb		6.8	Limit	N
21/01/2026	TKO-C1a	Flood		5.2	Action	N
	TKO-M4a	Flood		5.0	Action	N
	TKO-C1a	Ebb		5.2	Action	N
23/01/2026	TKO-C1a	Flood		5.3	Limit	N
	TKO-M5	Flood		5.2	Action	N
26/01/2026	TKO-C1a	Ebb		3.2	Limit	N
30/01/2026	TKO-M4	Ebb		3.0	Action	N
	TKO-M5	Ebb		2.7	Action	N

**4.6.2. Observation**

Generally, the turbidity and suspended solids were found to be lower than the action level. Besides, all results of dissolved oxygen measured in this reporting month were higher than the action level.

**4.7. Event and Action Plan**

If the impact monitoring results of the individual parameters exceed the Action and Limit Levels, the actions specified in **Appendix E5**.

**5. ENVIRONMENTAL SITE INSPECTION AND AUDIT**

**5.1. Weekly ET Site Inspection**

**5.1.1.** Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control mitigation measures for the project. During the reporting period, site inspections were carried out on 07, 14, 21 & 29 January 2026.

**5.1.2.** Observations for the site inspections within this reporting period are summarized in **Table 5.1** and inspection checklists are attached in **Appendix G**.

**Table 5.1 Summary of Observation of Site Inspections**

Date	Observations/ Reminders	Follow-up Action	Closed Date
07 January 2026	No defective work or observation was recorded during the weekly ET site inspection	--	--
14 January 2026	No defective work or observation was recorded during the weekly ET site inspection	--	--
21 January 2026	No defective work or observation was recorded during the weekly ET site inspection	--	--
29 January 2026	No defective work or observation was recorded during the weekly ET site inspection	--	--

**5.2. EPD’s Site Inspection**

5.2.1. EPD’s site inspection was carried out on 05 January 2026.

**5.3. Advice on the Solid and Liquid Waste Management Status**

5.3.1. All types of waste arising from the construction work are classified into the following:

- Construction & Demolition (C&D) Material;
- Chemical Waste;
- General Refuse; and
- Excavated Soil

5.3.2. The quantities of waste for disposal in this Reporting Period are summarized in **Table 5.2** and the Monthly Summary Waste Flow Table is shown in **Appendix H**. Whenever possible, materials were reused on-site as far as practicable.

**Table 5.2 Quantities of Waste for Disposal**

Type of Waste	Quantity	Disposal Location
Public Fill (‘000m <sup>3</sup> )	0	TKO137 Fill Bank
C&D Waste (‘000m <sup>3</sup> )	176.65	SENT Landfill / Refuse Collection Point
Chemical Waste (kg/L)	0 (L)	Collected by licensed collector

5.3.3. To control over the site performance on waste management, the Contractor shall ensure that all solid and liquid waste management works are in full compliance with the relevant license/permit requirements, such as the effluent discharge license and the chemical waste producer registration. The Contractor is also reminded to implement the recommended environmental mitigation measures according to the EM&A Manual based on actual site conditions.

**5.4. Environmental Licenses and Permits**

5.4.1. The valid environmental licenses and permits during the reporting period are summarized in **Appendix I**.

**5.5. Implementation Status of Environmental Mitigation Measures**

5.5.1. The environmental mitigation measures that recommended in the Environmental Monitoring and Audit Manual covered the issues of dust, noise, water and waste and they are summarized as following:

**Dust Mitigation Measures**

- a. Dust control / mitigation measures shall be provided to prevent dust nuisance;
- b. Water sprays shall be provided and used to dampen materials;
- c. All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition;
- d. Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin;
- e. Unpaved areas should be watered regularly to avoid dust generation;
- f. The designated site main haul road shall be paved or regular watering;
- g. The haul road inside the site and public road around the site entrance should be kept clean and free from dust.;
- h. Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site;
- i. Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank;
- j. The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water;
- k. Vehicle and equipment should be switched off while not in use;
- l. All plant and equipment should be well maintained e.g. without black smoke emission;
- m. Open burning should be prohibited
- n. Approval or exemption Non-road Mobile Machinery (NRMM) labels should be painted or securely fixed on regulated machines and non-road vehicles at a conspicuous position according to the Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation (APCO Cap.311)

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**Noise Mitigation Measures**

- a. The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.
- b. The constructions works should be scheduled to minimize noise nuisance;
- c. Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works
- d. Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials
- e. Air compressors and hand held breakers should have noise labels
- f. Compressors and generators should operate with door closed.
- g. Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.
- h. Noisy equipment and mobile plant shall always be site away from NSRs.

**Water Quality Mitigation Measures**

- a. Drainage system and the sand / silt removal facilities should be adequate and well maintained to prevent flooding and overflow, especially after rain storms;
- b. The storm water intercepting system shall be effective to collect of runoff and remove suspended solids before discharge;
- c. Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding;
- d. The material shall be properly covered to prevent washed away especially before rainstorm;
- e. The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.
- f. Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD;
- g. Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times;
- h. A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains;
- i. The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains;
- j. Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided;
- k. The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities;
- l. Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water;
- m. The barges shall be in right size such that adequate clearance in maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash;
- n. All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport;
- o. Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal;
- p. Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer;
- q. The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities;
- r. A waste collection vessel shall be deployed to remove floating debris

**Waste Management Mitigation Measures**

- a. Relevant license / permits for disposal of construction waste or excavated materials available for inspection;
- b. Excavated material to be generated from construction works to be re-used on-site as far as practicable to reduce off-site disposal;
- c. Mud and debris should be removed from waterworks access roads and associated drainage systems;
- d. Provision of sufficient waste disposal points and regular collection for disposal. Appropriate measures should be employed to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers;

- e. Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal;
- f. Prior to disposal of C&D waste, recyclable materials should be salvaged for reuse (such as wood and metal) and inert waste utilized as public fill to minimize the quantity of waste to be disposed of to landfill;
- g. In order to monitor the disposal of C&D material and solid wastes at public filling areas and landfills, and to control fly-tipping, a trip-ticket system should be included as one of the contractual requirements;
- h. Any soil contaminated with chemicals/oils shall be removed from site and the void created shall be filled with suitable materials

**5.5.2.** An updated summary of the Environmental Mitigation Implementation Schedule (EMIS) is presented in **Appendix J**. Most of the necessary mitigation measures were implemented properly. Any deficiencies were noted in the remarks of the schedule.

**5.6. Summary of Exceedance of the Environmental Quality Performance Limit**

**5.6.1.** There was no Action and Limit level exceedance of 1-hr and 24-hr TSP monitoring was recorded at four monitoring stations during this reporting month.

**5.6.2.** There was no Action and Limit Level exceedance for noise recorded at the noise monitoring station during the reporting period.

**5.6.3.** According to the summary of water monitoring results, there are a total of 9 and 9 action level and limit level exceedances on suspended solids respectively on 9 monitoring days in this reporting month. After investigation, there were concluded that the exceedances were not relevant to this Contract. The Investigation Reports for Action or Limit Level Non-compliance were provided in **Appendix L**. Other than the above exceedance, no exceedance of Action and Limit level was recorded in the reporting month.

**5.7. Summary of Complaints, Notification of Summons and Successful Prosecution**

**5.7.1.** There were no complaints received during the reporting period.

**5.7.2.** There were no notifications of summons or prosecutions received during the reporting period.

**5.7.3.** A summary of environmental complaints, notifications of summons and successful prosecutions was given in **Table 5.3**.

**Table 5.3 Summary of Environmental Complaints Notification of Summons and Successful Prosecution**

Reporting Period	Cumulative Statistic		
	Complaints	Notifications of summons	Successful prosecutions
The reporting period	0	0	0
Cumulative	19	0	0

**6. FUTURE KEY ISSUES**

**6.1. Construction Programme for the Coming Months**

**6.1.1.** As informed by the Contractor, the major construction activities for February 2026 are included:

- Operation of the 2 Public Fill Reception Facilities at TKOFB;
- Operation of Dewatering Plant and Expanded Dewatering Plant at TKOFB;
- Operation and Maintenance of Artificial Intelligent System for Crushing Number 2, 3 and 4 (Model QJ241) at TKOFB;
- Operation of Integrated Public Fill Reception Platform (Fixed Rigid Platform) at TKOFB;
- Operation and Maintenance of Wheel Washing Bays and Facilities at TKOFB;

- Operation and Maintenance of Wash Houses at TKOFB;
- Personnel Position Tracking and Proximity Detection System of Moving Plant at TKOFB;
- Operation and Maintenance a Digital Woks Supervision System (DWSS) for TKOFB;
- Maintenance of the Drainage Systems at TKOFB;
- Operation and Maintenance of Crushing Plant at TKOFB;
- Delivery of Public Fill to Taishan at TKOFB;
- Implementation of C Easy system at TKOFB (Phase 1);
- Carry out GCO Probe test and SRT;
- Operation of recycling public fill as blanket layer material of reclamation projects
- PMI No. 94 – Post Geotechnical Monitoring at TKOFB
- Relocation work at TKOFB

## 6.2. Key Issues for the Coming Month

### **Key issues to be considered in the coming month include:**

- *Chemical and waste management and precautions against leakage;*
- *Treatment of runoff and wastewater prior to discharge;*
- *Dust and Noise generated from construction activities; and*
- *Prevention of odour nuisance*

### **Mitigation measures to be required in the coming month:**

#### Air Quality Impact

- To provide adequate water spraying on haul roads and working platform;
- To operate and maintain automatic wheel washing facilities properly;
- To dampen the fill material prior to unloading or movement;
- To provide road sweeping on haul road near site egress and public roads outside site egress;
- To ensure implementation of the dust mitigation measures for the site activities;
- To maintain proper operation of the mist spraying system;
- To provide proper maintenance for vehicles and machines on site; and
- To investigate any other dust sources around the air sensitive receivers

#### Noise

- To switch off equipment if not in use;
- To operate silent equipment;
- To identify the noise sources inside and outside of the site;
- To follow up any exceedance caused by the Fill Bank operation; and
- To re-schedule the work activities in the event of valid noise exceedance

#### Water Quality Impact

- To maintain the drainage system in the Fill Bank;
- To ensure the cleanliness of oil interceptor bypass tanks and all the drainage channels;
- To maintain the existing silt trap to ensure good efficiency of wheel wash facilities;
- To repair, inspect and maintain the silt curtains regularly;
- To provide covers for the drip trays to avoid stagnant water pond due to rainfall;
- To deploy a cleaning vessel to remove floating rubbish in the TKO Basin;
- To clean up the concrete paved area at Portion I every night to avoid fill materials from being washed into the sea;
- To avoid any stagnant water or provide insecticide to avoid mosquito breeding in the Fill Bank.
- To prevent untreated wastewater directly discharge into nullahs; and
- To provide desilting facilities such as granular rock filter and geotextile filter at nullah

#### Chemical and Waste Management

- To remove waste from the site regularly;
- To properly store and handle chemical wastes on site;
- To implement trip ticket system for all the imported public fill and general refuse disposal;
- To provide and manage sufficiently sized drip trays for diesel drums or chemical containers;
- To remove existing unwanted material in the stockpiles and avoid improper disposal at the Fill Bank through inspection of imported truckloads;
- To maintain proper housekeeping at the workshop area;
- To remove the oil stains in the event of leakage and handle all materials using for this cleaning works as chemical waste;

- To maintain mesh screen on top of the additional drainage, DP3 opening to avoid improper dumping of rubbish into this channel; and
- To identify C&D material by packaging, labelling, storage, transportation and disposal in accordance with statutory regulations.

### **6.3. Environmental Monitoring and Site Inspection Schedule for the Coming Month**

- 6.3.1.** The tentative schedule for environmental monitoring and site inspection schedule for February 2026 is provided in **Appendix K**.

## **7. CONCLUSION**

### **7.1. Conclusions**

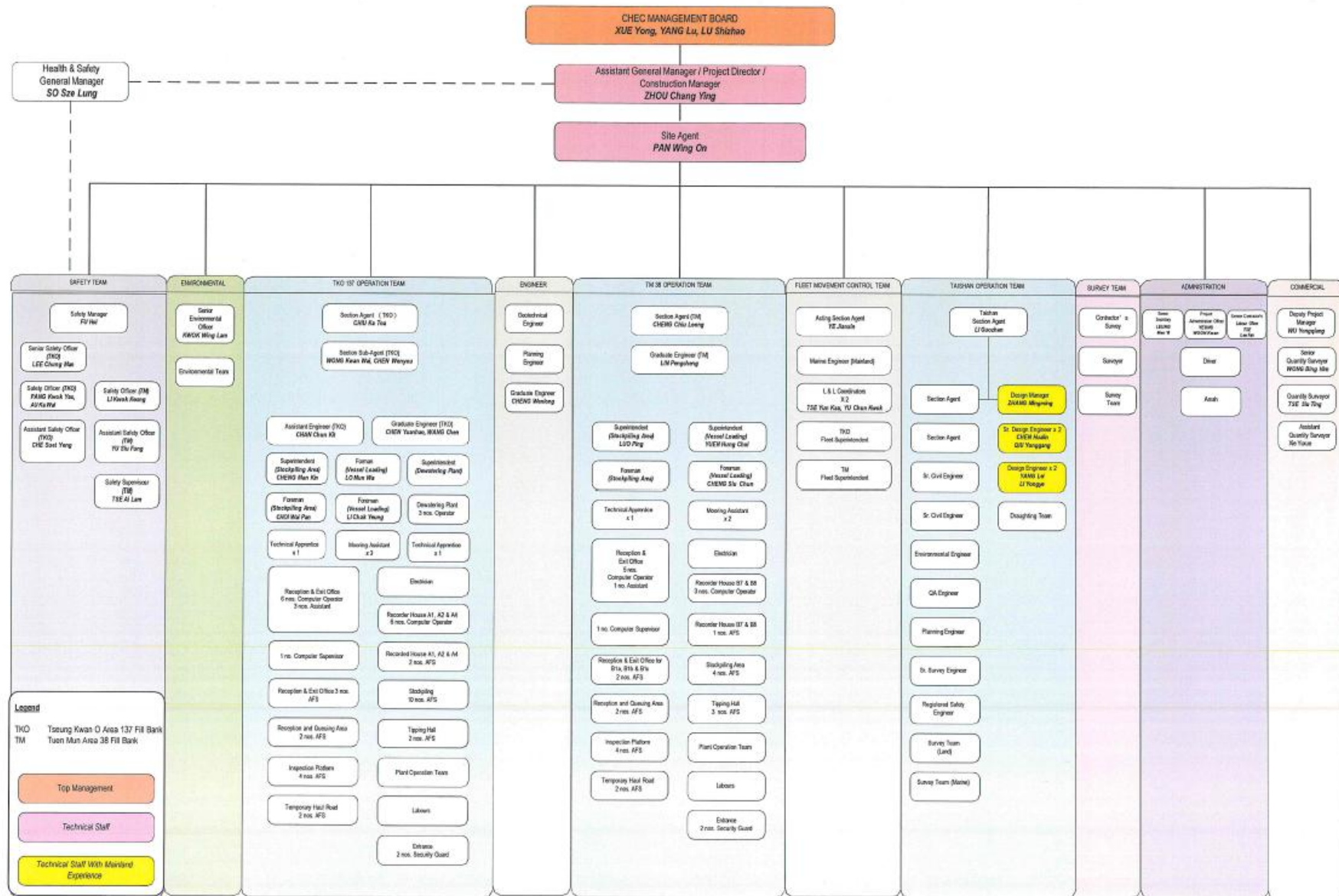
- 7.1.1.** There was no Action and Limit level exceedance of 1-hr and 24-hr TSP monitoring was recorded at four monitoring stations during this reporting month.
- 7.1.2.** There was no Action and Limit Level exceedance for noise recorded at the noise monitoring station during the reporting period.
- 7.1.3.** According to the summary of water monitoring results, there are a total of 9 and 9 action level and limit level exceedances on suspended solids respectively on 9 monitoring days in this reporting month. After investigation, there were concluded that the exceedances were not relevant to this Contract. The Investigation Reports for Action or Limit Level Non-compliance were provided in **Appendix L**. Other than the above exceedance, no exceedance of Action and Limit level was recorded in the reporting month.
- 7.1.4.** There were no complaints received during the reporting period.
- 7.1.5.** There were no notifications of summons or prosecutions received during the reporting period.

**– END OF REPORT –**



**Appendix A**

**Project Organization Chart**



## **Appendix B**

### **Construction Programme**

Contract No.: CV/2023/10  
 Handling of Surplus Public Fill (2024-2027) – Tseung Kwan O Area 137 Fill Bank



标识号	Task Name	开始时间	完成时间	工期	前置任务	time risk allowa	实际开始时间	实际完成时间	完成百分比	2025年11月												2025年12月												2026年1月											
										29	1	4	7	10	13	16	19	22	25	28	1	4	7	10	13	16	19	22	25	28	31	3	6	9	12	15	18	21	24	27	30	2			
1	Contract duration of Contract CV/2023/10	2024/8/4	2027/7/31	1082 days			2024/8/4	NA	42%	Progress																																			
2	Contract date, Date of Letter of Acceptance	2024/7/11	2024/7/11	1 day			2024/7/11	2024/7/11	100%																																				
3	Starting Date of the Works	2024/8/4	2024/8/4	1 day			2024/8/4	2024/8/4	100%																																				
4	Starting Date of Section 1 of the Works	2024/8/4	2024/8/4	1 day			2024/8/4	2024/8/4	100%																																				
5	Starting Date of Section 2 of the Works	2024/8/4	2024/8/4	1 day			2024/8/4	2024/8/4	100%																																				
6	Starting Date of Section 3 of the Works	2024/8/4	2024/8/4	1 day			2024/8/4	2024/8/4	100%																																				
7	Date for Completion of the Works	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
8	Completion Date of Section 1 of the Works	2027/7/31	2027/7/31	1 day	48F+1092 da		2027/7/31	NA	0%																																				
9	Completion Date of Section 2 of the Works	2027/7/31	2027/7/31	1 day	50F+1092 da		2027/7/31	NA	0%																																				
10	Completion Date of Section 3 of the Works	2027/7/31	2027/7/31	1 day	50F+1092 da		2027/7/31	NA	0%																																				
11	Planned completion dates	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
12	Planned completion date of Section 1	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
13	Planned completion date of Section 2	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
14	Planned completion date of Section 3	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
15	Access Date of the Site	2024/8/4	2024/8/4	1 day			2024/8/4	2024/8/4	100%																																				
16	Portion A2, A3a, A3b, A3c, A4a1, A4a2, A4b1, A4b2, A5a, A5b, A5c, A7a, A7b, A7c and A10 (within 50 days after starting date or later date notified by the Project Manager with 2 days advance notice)	2024/8/4	2024/8/4	1 day			2024/8/4	2024/8/4	100%																																				
17	Portion B1, B3, B6a, B6b, B7 and C (within 50 days after starting date or later date notified by the Project Manager with 2 days advance notice)	2024/8/4	2024/8/4	1 day			2024/8/4	2024/8/4	100%																																				
18	Portion A1, A5, A9a and B6c (7 days advance notice after starting date)	2024/8/4	2024/8/4	1 day			2024/8/4	2024/8/4	100%																																				
19	Hand back of the Site	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
20	Portion A2, A3a, A3b, A3c, A4a1, A4a2, A4b1, A4b2, A5a, A5b, A5c, A7a, A7b, A7c and A10 of the site on the completion date of the section 1 of the works (or at an earlier date notified by the Project Manager with 30 days' advance notice)	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
21	Portion A1, A9 and A9a of the site if the Contractor has accessed to them, on the completion date of the section 1 of the works (or at an earlier date as notified by the Project Manager with 30 days' advance notice)	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
22	Portion B1, B3, B6a, B6b, B7 and C of the site on the completion date of the section 2 of the works (or at an earlier date as notified by the Project Manager with 30 days' advance notice)	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
23	Portion B6c of the site if the Contractor has accessed to them on the completion date of the section 2 of the works (or at an earlier date as notified by the Project Manager with 30 days' advance notice)	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
24	Portions C of the Site on the completion date of the section 2 of the works (or at an earlier date as notified by the Project Manager with 30 days' advance notice)	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%																																				
25	Section 1 of the Works - Tseung Kwan O Area 137 FILL Bank	2024/8/4	2027/7/31	1082 days	488		2024/8/4	NA	48%	Progress																																			
26	Taking over the existing facilities at the Tseung Kwan O Area 137 FILL Bank within Portion A of the Site	2024/8/4	2024/8/4	1 day	488	0	2024/8/4	2024/8/4	100%																																				
27	Operation of the Tseung Kwan O Area 137 FILL Bank within Portion A of the Site	2024/8/4	2027/7/31	1082 days	2600	0	2024/8/4	NA	42%	Progress																																			
28	Operation and maintenance of the surveillance system within Portion A of the Site	2024/8/4	2027/7/31	1082 days	2600	0	2024/8/4	NA	42%	Progress																																			
29	Operation and maintenance of the existing tipping halls at the Tseung Kwan O Area 137 FILL Bank within Portion A of the Site	2024/8/4	2027/7/31	1082 days	2600	0	2024/8/4	NA	42%	Progress																																			
30	Provision, operation and maintenance of the Crushing Plant at the Tseung Kwan O Area 137 FILL Bank within Portion A of the Site	2024/8/4	2027/7/31	1082 days	2600	0	2024/8/4	NA	42%	Progress																																			
31	Operation and maintenance of the dewatering plant at the Tseung Kwan O Area 137 FILL Bank within portion A of the Site Facility to the Tseung Kwan O Area 137 FILL Bank within Portion A of the Site	2024/8/4	2027/7/31	1082 days	2600	0	2024/8/4	NA	42%	Progress																																			
32	Design, construction, operation and maintenance of 3 nos. new tipping halls with access ramp, new barge handling area, and associated seawalls within Portion A of the Site as and when instructed by the Project Manager.	2026/7/1	2027/7/31	396 days	2600		NA	NA	0%																																				

Project: 3 month rolling Programme CV/2023/10  
 Nov 2025 to Jan 2026

Task		Project Summary		Inactive Summary		Manual Summary		External Milestone	
Split		External Tasks		Manual Task		Start-only		Progress	
Milestone		External Milestone		Duration-only		Finish-only		Deadline	
Summary		Inactive Milestone		Manual Summary Rollup		External Tasks			



标识号	Task Name	开始时间	完成时间	工期	前置任务	time risk allowa	实际开始时间	实际完成时间	完成百分比	2025年11月												2025年12月												2026年1月											
										29	1	4	7	10	13	16	19	22	25	28	1	4	7	10	13	16	19	22	25	28	31	3	6	9	12	15	18	21	24	27	30	2			
33	Submission of design proposals to Project Manager for acceptance	2026/7/1	2026/10/28	120 days		0	NA	NA	0%	[Gantt bar: 2026/10/28 - 2026/10/28]																																			
34	Construction new tipping halls with access ramp, new barge handling area, and associated seawalls within Portion A of the Site	2026/10/29	2027/6/25	240 days	33	0	NA	NA	0%	[Gantt bar: 2026/10/29 - 2026/10/29]																																			
35	Operation and maintenance the new berthing facilities	2027/6/26	2027/7/31	36 days	34		NA	NA	0%	[Gantt bar: 2027/6/26 - 2027/6/26]																																			
36	Demolition & reconstruction/relocation of existing facilities within Portion A of the Site above as and when instructed by the Project Manager	2025/7/1	2025/11/27	180 days	2600		2025/7/1	NA	83%	[Gantt bar: 2025/7/1 - 2025/11/27]																																			
37	Project Manager's Principal Site Office and Secondary Site Office, and Temporary Accommodation for the Contractor	2025/7/1	2025/9/28	90 days			2025/7/1	2025/9/28	100%	[Gantt bar: 2025/7/1 - 2025/9/28]																																			
38	Preparing and submitting a proposal for project manager for acceptance	2025/7/1	2025/7/14	14 days		1	2025/7/1	2025/7/14	100%	[Gantt bar: 2025/7/1 - 2025/7/14]																																			
39	Construct a new Project Manager's Secondary Site Office	2025/7/15	2025/9/14	62 days	38	0	2025/7/15	2025/9/14	100%	[Gantt bar: 2025/7/15 - 2025/9/14]																																			
40	Relocate furniture, office equipment and computer facilities previously installed at the existing Project Manager's Site Office to the new office	2025/9/15	2025/9/28	14 days	39	0	2025/9/15	2025/9/28	100%	[Gantt bar: 2025/9/15 - 2025/9/28]																																			
41	Dismantle and re-assemble the existing Project Manager's Principal Site Office to a new location	2025/7/15	2025/9/21	69 days	38	0	2025/7/15	2025/9/21	100%	[Gantt bar: 2025/7/15 - 2025/9/21]																																			
42	Demolish the existing Secondary Site Office.	2025/9/22	2025/9/28	7 days	41	0	2025/9/22	2025/9/28	100%	[Gantt bar: 2025/9/22 - 2025/9/28]																																			
43	Construction of Temporary Accommodation for the Contractor	2025/7/15	2025/9/28	76 days	38	1	2025/7/15	2025/9/28	100%	[Gantt bar: 2025/7/15 - 2025/9/28]																																			
44	New Combined Reception and Exit Offices	2025/7/1	2025/10/28	120 days			2025/7/1	2025/10/28	100%	[Gantt bar: 2025/7/1 - 2025/10/28]																																			
45	Preparing and submitting a proposal to project manager for acceptance	2025/7/1	2025/7/14	14 days		0	2025/7/1	2025/7/14	100%	[Gantt bar: 2025/7/1 - 2025/7/14]																																			
46	Construction of the new Combined Reception and Exit Offices and new weighbridges	2025/7/15	2025/10/18	96 days	45	0	2025/7/15	2025/10/18	100%	[Gantt bar: 2025/7/15 - 2025/10/18]																																			
47	Relocate the existing CWD/MIS to the new CREO office	2025/10/19	2025/10/28	10 days	46	0	2025/10/19	2025/10/28	100%	[Gantt bar: 2025/10/19 - 2025/10/28]																																			
48	Construction Concrete Paved Roads to the new Combined Reception and Exit	2025/7/1	2025/10/28	120 days			2025/7/1	2025/10/28	100%	[Gantt bar: 2025/7/1 - 2025/10/28]																																			
49	Preparing and submitting a proposal to project manager for acceptance	2025/7/1	2025/7/14	14 days		0	2025/7/1	2025/7/14	100%	[Gantt bar: 2025/7/1 - 2025/7/14]																																			
50	Construction of the concrete pave roads	2025/7/15	2025/10/28	106 days	49	0	2025/7/15	2025/10/28	100%	[Gantt bar: 2025/7/15 - 2025/10/28]																																			
51	Transportation of Soil	2025/7/1	2025/9/28	90 days			2025/7/1	2025/9/28	100%	[Gantt bar: 2025/7/1 - 2025/9/28]																																			
52	New Integrated Public Fill Reception Platform	2025/9/29	2026/1/26	120 days	51		2025/9/29	NA	28%	[Gantt bar: 2025/9/29 - 2026/1/26]																																			
53	Preparing and submitting a proposal to project manager for acceptance	2025/9/29	2025/10/12	14 days		0	2025/9/29	2025/10/12	100%	[Gantt bar: 2025/9/29 - 2025/10/12]																																			
54	Construction of the New Integrated Public Fill Reception Platform	2025/10/13	2026/1/26	106 days	53	0	2025/10/...	NA	19%	[Gantt bar: 2025/10/13 - 2026/1/26]																																			
55	Bituminous Materials paved Roads to the Integrated Public Fill Reception Platform	2025/9/29	2026/1/26	120 days	61		2025/9/29	NA	28%	[Gantt bar: 2025/9/29 - 2026/1/26]																																			
56	Preparing and submitting a proposal to project manager for acceptance	2025/9/29	2025/10/12	14 days		0	2025/9/29	2025/10/12	100%	[Gantt bar: 2025/9/29 - 2025/10/12]																																			
57	Construction of the Bituminous Materials paved Roads to the Integrated Public Fill Reception	2025/10/13	2026/1/26	106 days	56,51	0	2025/10/...	NA	19%	[Gantt bar: 2025/10/13 - 2026/1/26]																																			
58	Relocation of Dewatering Plant and construction of reinforced concrete slurry receiving tank	2025/7/1	2025/11/27	180 days			2025/7/1	NA	70%	[Gantt bar: 2025/7/1 - 2025/11/27]																																			
59	Preparing and submitting a proposal to project manager for acceptance	2025/7/1	2025/7/14	14 days			2025/7/1	2025/7/14	100%	[Gantt bar: 2025/7/1 - 2025/7/14]																																			
60	Relocation of the 3 number of existing Dewatering Plant phase by phase	2025/7/15	2025/11/27	152 days	59		2025/7/15	NA	72%	[Gantt bar: 2025/7/15 - 2025/11/27]																																			
61	Construction of reinforced concrete slurry receiving tank	2025/7/15	2025/11/27	152 days	59		2025/7/15	NA	72%	[Gantt bar: 2025/7/15 - 2025/11/27]																																			
62	Demolish the existing structures at the Dewatering Plant	2025/11/27	2025/11/27	14 days	60		NA	NA	0%	[Gantt bar: 2025/11/27 - 2025/11/27]																																			
63	Construction ,Relocation and demolition of Wash House	2025/7/1	2025/10/28	120 days			2025/7/1	NA	99%	[Gantt bar: 2025/7/1 - 2025/10/28]																																			
64	Preparing and submitting a proposal to project manager for acceptance	2025/7/1	2025/7/14	14 days			2025/7/1	2025/7/14	100%	[Gantt bar: 2025/7/1 - 2025/7/14]																																			
65	Construction of a new wash house	2025/7/15	2025/10/21	99 days	64		2025/7/15	NA	99%	[Gantt bar: 2025/7/15 - 2025/10/21]																																			
66	Demolish the existing Wash House A1	2025/10/21	2025/10/27	7 days	65		2025/10/...	2025/10/27	100%	[Gantt bar: 2025/10/21 - 2025/10/27]																																			
67	Relocate the existing Wash House A2 and Wash House A3 to new location	2025/7/15	2025/10/28	106 days	64		2025/7/15	2025/10/28	100%	[Gantt bar: 2025/7/15 - 2025/10/28]																																			
68	Wheel Washing Bays	2025/7/1	2025/10/28	120 days			2025/7/1	NA	99%	[Gantt bar: 2025/7/1 - 2025/10/28]																																			
69	Preparing and submitting a proposal to project manager for acceptance	2025/7/1	2025/7/14	14 days			2025/7/1	2025/7/14	100%	[Gantt bar: 2025/7/1 - 2025/7/14]																																			
70	Construction of 2 nos of Wheel Washing Bays	2025/7/15	2025/10/21	99 days	69		2025/7/15	NA	99%	[Gantt bar: 2025/7/15 - 2025/10/21]																																			

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 Nov 2025 to Jan 2026

Task		Project Summary		Inactive Summary		Manual Summary		External Milestone	
Split		External Tasks		Manual Task		Start-only		Progress	
Milestone		External Milestone		Duration-only		Finish-only		Deadline	
Summary		Inactive Milestone		Manual Summary Rollup		External Tasks			

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标识号	Task Name	开始时间	完成时间	工期	前置任务	time risk allows	实际开始时间	实际完成时间	完成百分比	Gantt Chart																														
										29	1	4	7	10	13	16	19	22	25	28	1	4	7	10	13	16	19	22	25	28	31	3	6	9	12	15	18	21	24	27
104	Obtaining all necessary permits, licenses, approvals and consents	2024/12/21	2024/12/31	11 days		0	2024/12/21	2024/12/31	100%	[Gantt bar from 2024/12/21 to 2024/12/31]																														
105	Collection and delivery of 11,400,000 tonnes of Public Fill	2025/1/1	2025/12/31	365 days	104,101,103	2	2025/1/1	NA	84%	[Gantt bar from 2025/1/1 to 2025/12/31]																														
106	Deliver of public fill to mainland in year 2025	2028/1/1	2028/12/31	365 days			NA	NA	0%	[Gantt bar from 2028/1/1 to 2028/12/31]																														
107	Submitting application documents to EPD for application of dumping permits	2025/12/18	2025/12/18	1 day			NA	NA	0%	[Gantt bar at 2025/12/18]																														
108	Obtaining the dumping permit from EPD (assumed on 31/12/25)	2025/12/19	2025/12/31	13 days	107	0	NA	NA	0%	[Gantt bar from 2025/12/19 to 2025/12/31]																														
109	Submitting application documents to the Employer for the application of the dumping permit of waste at the sea	2025/11/20	2025/11/20	1 day			NA	NA	0%	[Gantt bar at 2025/11/20]																														
110	Obtaining the dumping permits from Ministry of Ecology and Environment of the People's Republic of China through the Employer (assumed on 31/12/25)	2025/11/21	2025/12/31	41 days	109	0	NA	NA	0%	[Gantt bar from 2025/11/21 to 2025/12/31]																														
111	Obtaining all necessary permits, licenses, approvals and consents	2025/12/21	2025/12/31	11 days		0	NA	NA	0%	[Gantt bar from 2025/12/21 to 2025/12/31]																														
112	Collection and delivery of 11,400,000 tonnes of Public Fill	2026/1/1	2026/12/31	365 days	108,110,111	2	NA	NA	0%	[Gantt bar from 2026/1/1 to 2026/12/31]																														
113	Deliver of public fill to mainland in year 2027	2027/1/1	2027/7/31	212 days			NA	NA	0%	[Gantt bar from 2027/1/1 to 2027/7/31]																														
114	Submitting application documents to EPD for application of dumping permits	2026/12/18	2026/12/18	1 day			NA	NA	0%	[Gantt bar at 2026/12/18]																														
115	Obtaining the dumping permit from EPD (assumed on 31/12/25)	2026/12/19	2026/12/31	13 days	114	0	NA	NA	0%	[Gantt bar from 2026/12/19 to 2026/12/31]																														
116	Submitting application documents to the Employer for the application of the dumping permit of waste at the sea	2026/11/20	2026/11/20	1 day			NA	NA	0%	[Gantt bar at 2026/11/20]																														
117	Obtaining the dumping permits from Ministry of Ecology and Environment of the People's Republic of China through the Employer (assumed on 31/12/25)	2026/11/21	2026/12/31	41 days	116	0	NA	NA	0%	[Gantt bar from 2026/11/21 to 2026/12/31]																														
118	Obtaining all necessary permits, licenses, approvals and consents	2026/12/21	2026/12/31	11 days		0	NA	NA	0%	[Gantt bar from 2026/12/21 to 2026/12/31]																														
119	Collection and delivery of 6,200,000 tonnes of Public Fill	2027/1/1	2027/7/31	212 days	115,117,118	2	NA	NA	0%	[Gantt bar from 2027/1/1 to 2027/7/31]																														
120	Removal, excavation and deposition of stockpiled and/or deposited Public Fill within the Designated Reclamation Sites in the Mainland	2024/8/4	2027/7/31	1092 days			2024/8/4	NA	42%	[Gantt bar from 2024/8/4 to 2027/7/31]																														
121	Removal, excavation and deposition of stockpiled and/or deposited public fill	2024/8/4	2027/7/31	1092 days		0	2024/8/4	NA	42%	[Gantt bar from 2024/8/4 to 2027/7/31]																														
122	Operation and maintenance of the existing navigation channel and turning basins in association with the existing berthing facility at Zone E of the Designated Reclamation Sites in the Mainland.	2024/8/4	2027/7/31	1092 days			2024/8/4	NA	42%	[Gantt bar from 2024/8/4 to 2027/7/31]																														
123	Operation and maintenance of the existing navigation channel and turning basins	2024/8/4	2027/7/31	1092 days		0	2024/8/4	NA	42%	[Gantt bar from 2024/8/4 to 2027/7/31]																														
124	Design, construction, operation and maintenance of the new navigation channel and turning basins in association with the new berthing facility at Zone B of the Designated Reclamation Sites in the Mainland.	2024/8/4	2027/7/31	1092 days			2024/8/4	NA	48%	[Gantt bar from 2024/8/4 to 2027/7/31]																														
125	Obtaining the dumping permits from Ministry of Ecology and environment of the People's Republic of China through the Employer for Zone B	2024/8/4	2024/8/4	1 day		0	2024/8/4	2024/8/4	100%	[Gantt bar at 2024/8/4]																														
126	Design submission of new navigation channel and turning basins and obtaining all necessary design approvals and consents	2024/8/5	2024/10/3	60 days	125	0	2024/8/5	2024/10/3	100%	[Gantt bar from 2024/8/5 to 2024/10/3]																														
127	Construction of the new navigation channel	2024/9/4	2025/1/31	150 days	126B+30 da	2	2024/9/4	2025/1/31	100%	[Gantt bar from 2024/9/4 to 2025/1/31]																														
128	Construction of the new turning basins	2024/12/3	2025/1/31	60 days	127B+90 da	1	2024/12/3	2025/1/31	100%	[Gantt bar from 2024/12/3 to 2025/1/31]																														
129	Obtaining the construction completion certificate of new navigation channel and turning basins	2025/2/1	2025/2/1	1 day	128	0	2025/2/1	2025/2/1	100%	[Gantt bar at 2025/2/1]																														
130	Operation and maintenance of the new navigation channel and turning basins	2025/2/2	2027/7/31	910 days	129	0	2025/2/2	NA	30%	[Gantt bar from 2025/2/2 to 2027/7/31]																														
131	Design, construction, operation and maintenance of new berthing facility at Zone B of the Designated Reclamation Sites in the Mainland.	2024/8/4	2027/8/1	1092.13 days			2024/8/4	NA	52%	[Gantt bar from 2024/8/4 to 2027/8/1]																														
132	Obtaining the dumping permits from Ministry of Ecology and environment of the People's Republic of China through the Employer for Zone B	2024/8/4	2024/8/4	1 day			2024/8/4	2024/8/4	100%	[Gantt bar at 2024/8/4]																														
133	Design submission of new berthing facilities and obtaining all necessary design approvals and consents	2024/8/5	2024/10/3	60 days	132		2024/8/5	2024/10/3	100%	[Gantt bar from 2024/8/5 to 2024/10/3]																														
134	Precasting caisson units and coping units	2024/9/4	2024/12/2	90 days	133B+30 da	1	2024/9/4	2024/12/2	100%	[Gantt bar from 2024/9/4 to 2024/12/2]																														
135	Construction of rubber mound foundation	2024/10/4	2025/1/1	90 days	133B+60 da	2	2024/10/4	2025/1/1	100%	[Gantt bar from 2024/10/4 to 2025/1/1]																														

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Task		Project Summary		Inactive Summary		Manual Summary		External Milestone	
Split		External Tasks		Manual Task		Start-only		Progress	
Milestone		External Milestone		Duration-only		Finish-only		Deadline	
Summary		Inactive Milestone		Manual Summary Rollup		External Tasks			

标识号	Task Name	开始时间	完成时间	工期	前置任务	time risk allow	实际开始时间	实际完成时间	完成百分比	甘特图																														
										29	1	4	7	10	13	16	19	22	25	28	1	4	7	10	13	16	19	22	25	28	31	3	6	9	12	15	18	21	24	27
136	Installation of cassion units and coping units	2024/11/3	2025/1/31	90 days	13300+90 d2		2024/11/3	2025/1/31	100%	[Gantt bar: 100% complete]																														
137	Backfilling and in-situ concreting	2024/12/3	2025/1/31	60 days	13300+120 d2		2024/12/3	2025/1/31	100%	[Gantt bar: 100% complete]																														
138	Installation of rubber fenders and bollards	2025/1/2	2025/1/31	30 days	13300+150 d2		2025/1/2	2025/1/31	100%	[Gantt bar: 100% complete]																														
139	Obtaining the construction completion certificate new berthing facilities	2025/2/1	2025/2/1	1 day	138	0	2025/2/1	2025/2/1	100%	[Gantt bar: 100% complete]																														
140	Operation and maintenance of new berthing facilities	2025/2/2	2027/8/1	910.13 days	139			NA	30%	[Gantt bar: 30% complete]																														
141	Design and construction of seawalls (approximate 4,400m) in association with new berthing facility at Zone B of the Designated Reclamation Sites in the Mainland.	2024/8/4	2027/7/31	1092.13 days			2024/8/4	NA	42%	[Gantt bar: 42% complete]																														
142	Obtaining the permits from Ministry of Ecology and environment of the People's Republic of China through the Employer for Zone B	2024/8/4	2024/8/4	1 day		0	2024/8/4	2024/8/4	100%	[Gantt bar: 100% complete]																														
143	Design submission of seawalls and obtaining all necessary design approvals and consents	2024/8/5	2024/9/3	30 days	142	0	2024/8/5	2024/9/3	100%	[Gantt bar: 100% complete]																														
144	Construction of seawalls (approx. 4400m)	2024/9/4	2027/7/30	1060 days	143	2	2024/9/4	NA	40%	[Gantt bar: 40% complete]																														
145	Obtaining the construction completion certificate of seawalls	2027/7/31	2027/7/31	1 day	144	0	NA	NA	0%	[Gantt bar: 0% complete]																														
146	Planned Completion Date (Section 3)	2027/7/31	2027/7/31	1 day			2027/7/31	NA	0%	[Gantt bar: 0% complete]																														



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Task		Project Summary		Inactive Summary		Manual Summary		External Milestone	
Split		External Tasks		Manual Task		Start-only		Progress	
Milestone		External Milestone		Duration-only		Finish-only		Deadline	
Summary		Inactive Milestone		Manual Summary Rollup		External Tasks			

## **Appendix C1**

### **Calibration Certificates for Air Quality Monitoring Equipment**



**Summary of Calibration Certificates for TSP Monitoring Equipment used in this reporting month**

<b>Model</b>	<b>Serial No.</b>	<b>Calib Date</b>	<b>Due Date</b>
3NVA-3000	00402425012000158517	07/01/2026	06/07/2026
3NVA-3000	02400923032400063014	07/01/2026	06/07/2026
3NVA-3000	00402425012000408239	07/01/2026	06/07/2026
3NVA-3000	00402425012000393367	07/01/2026	06/07/2026

## HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

### Site Information

Location:	Island West Transfer Station	Site ID:	A1	Cal Date:	07-Jan-2026
Serial No.:	1117	Model:	TE-5170X		

### Ambient Condition

Actual Pressure during Calibration ( $P_a$ ) (mm Hg):	767.3	Actual Temperature during Calibration ( $T_a$ ) (deg K):	288.0
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### Calibration Orifice

Model:	TE-5025A	Slope ( $m_c$ ):	2.07841
Serial No.:	4166	Intercept ( $b_c$ ):	-0.01551
Calibration Due Date:	8-May-26	Corr. Coeff:	0.99992

### Calibration Data

Plate or Test #	$\Delta H_2O$ (in)	Qa, X-Axis (m <sup>3</sup> /min)	I, CFM (chart)	IC, Y-Axis (corrected)
18	13.20	1.794	63.0	64.39
13	10.60	1.609	57.0	58.26
10	8.00	1.398	50.0	51.10
7	5.10	1.118	41.0	41.91
5	3.20	0.887	33.0	33.73

#### Sampler Calibration Relationship (Qa on x-axis, IC on y-axis)

$m = \underline{\hspace{2cm} 33.7106 \hspace{2cm}}$ 
                         
  $b = \underline{\hspace{2cm} 3.9896 \hspace{2cm}}$ 
                         
 Corr. Coeff =  $\underline{\hspace{2cm} 0.9999 \hspace{2cm}}$

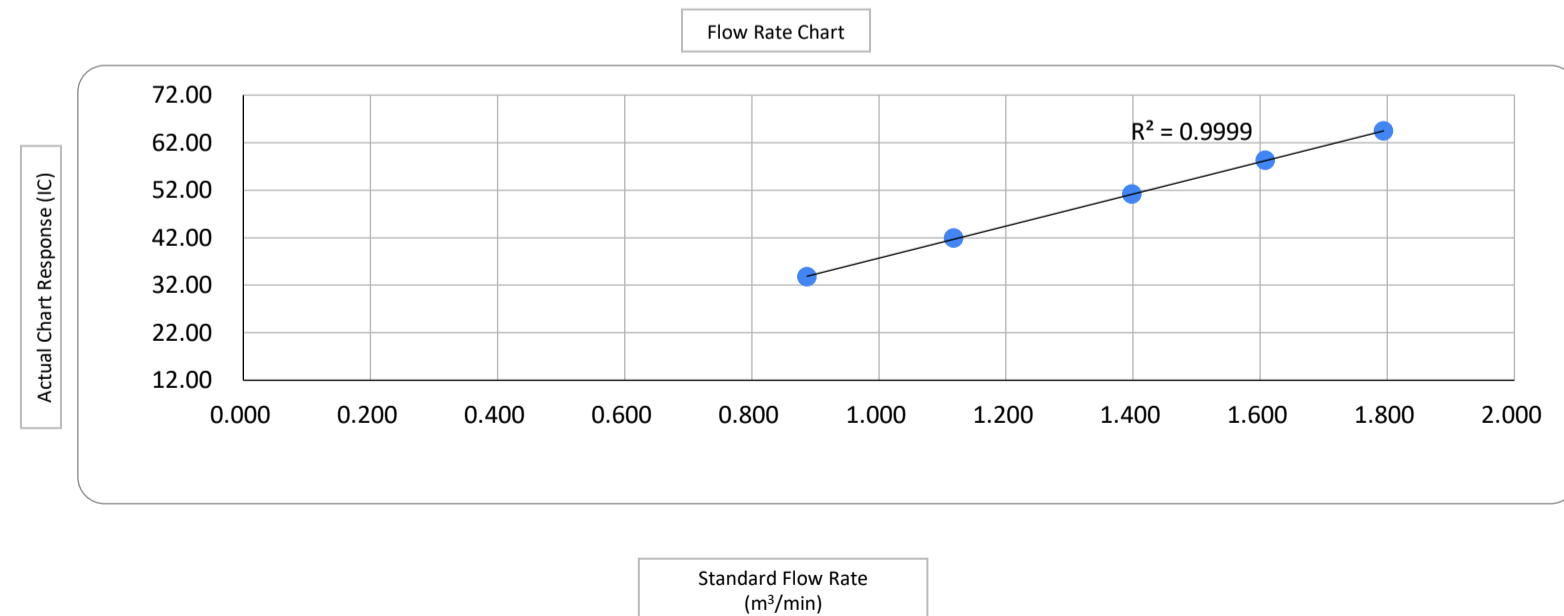
#### Calculations

$$Q_a = 1/m_c * [\text{Sqrt}(\Delta H_2O * (P_a/P_{Std}) * (T_{Std}/T_a)) - b_c]$$

$$IC = I * (\text{Sqrt}(P_a/P_{Std}) * (T_{Std}/T_a))$$

$Q_a$  = actual flow rate  
 $IC$  = corrected chart response  
 $I$  = actual chart response  
 $m_c$  = calibrator slope  
 $b_c$  = calibrator intercept

$m$  = sampler slope  
 $b$  = sampler intercept  
 $T_{Std}$  = 298 deg K  
 $P_{Std}$  = 760 mm Hg  
 $T_a$  = actual temperature during calibration (deg K)  
 $P_a$  = actual pressure during calibration (mm Hg)





# Certificate of Calibration

Calibration Certification Information			
Cal. Date: May 8, 2025	Rootsmeter S/N: 438320	Ta: 294	°K
Operator: Jim Tisch		Pa: 750.8	mm Hg
Calibration Model #: TE-5025A	Calibrator S/N: <b>4166</b>		

Run	Vol. Init (m3)	Vol. Final (m3)	ΔVol. (m3)	ΔTime (min)	ΔP (mm Hg)	ΔH (in H2O)
1	1	2	1	1.4520	3.2	2.00
2	3	4	1	1.0200	6.4	4.00
3	5	6	1	0.9110	8.0	5.00
4	7	8	1	0.8740	8.8	5.50
5	9	10	1	0.7190	12.9	8.00

Data Tabulation					
Vstd (m3)	Qstd (x-axis)	$\sqrt{\Delta H \left( \frac{Pa}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)}$ (y-axis)	Va	Qa (x-axis)	$\sqrt{\Delta H \left( \frac{Ta}{Pa} \right)}$ (y-axis)
0.9971	0.6867	1.4152	0.9957	0.6858	0.8850
0.9928	0.9734	2.0014	0.9915	0.9720	1.2515
0.9907	1.0875	2.2376	0.9893	1.0860	1.3992
0.9896	1.1323	2.3468	0.9883	1.1308	1.4675
0.9842	1.3688	2.8304	0.9828	1.3669	1.7699
<b>QSTD</b>	<b>m=</b>	<b>2.07841</b>	<b>QA</b>	<b>m=</b>	<b>1.30146</b>
	<b>b=</b>	<b>-0.01551</b>		<b>b=</b>	<b>-0.00970</b>
	<b>r=</b>	<b>0.99992</b>		<b>r=</b>	<b>0.99992</b>

Calculations			
<b>Vstd</b> = $\Delta Vol((Pa-\Delta P)/Pstd)(Tstd/Ta)$	<b>Va</b> = $\Delta Vol((Pa-\Delta P)/Pa)$		
<b>Qstd</b> = $Vstd/\Delta Time$	<b>Qa</b> = $Va/\Delta Time$		
<b>For subsequent flow rate calculations:</b>			
<b>Qstd</b> = $1/m \left( \left( \sqrt{\Delta H \left( \frac{Pa}{Pstd} \right) \left( \frac{Tstd}{Ta} \right)} \right) - b \right)$		<b>Qa</b> = $1/m \left( \left( \sqrt{\Delta H \left( \frac{Ta}{Pa} \right)} \right) - b \right)$	

Standard Conditions	
Tstd:	298.15 °K
Pstd:	760 mm Hg
Key	
ΔH: calibrator manometer reading (in H2O)	
ΔP: rootsmeter manometer reading (mm Hg)	
Ta: actual absolute temperature (°K)	
Pa: actual barometric pressure (mm Hg)	
b: intercept	
m: slope	

RECALIBRATION
US EPA recommends annual recalibration per 1998 40 Code of Federal Regulations Part 50 to 51, Appendix B to Part 50, Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere, 9.2.17, page 30

Report No.: CR00260001

## Collocation Report of Real-Time TSP Monitor

### Part 1 – Equipment Calibrated

Description : Real-Time TSP Monitor  
 Manufacturer : 3NV Technology Limited  
 Model No. : 3NVA - 3000  
 Serial No. : 00402425012000158517  
 Location ID : TKO-A1

### Part 2 – Standard Equipment

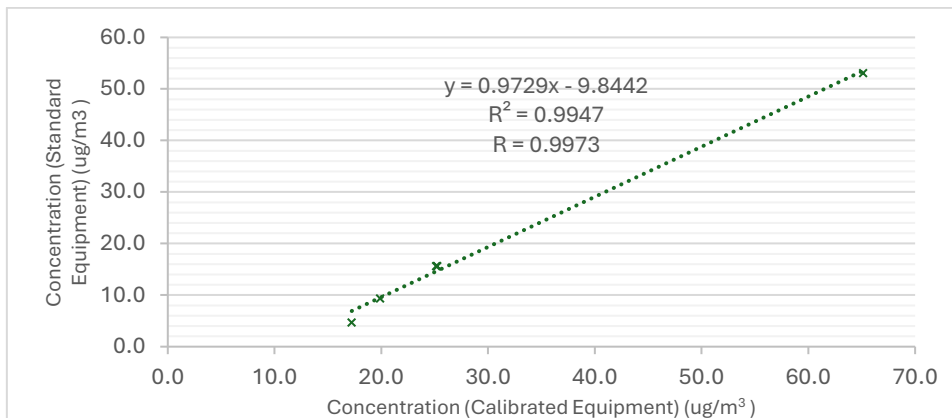
Description : High Volume Sampler (TSP)  
 Location : Island West Transfer Station (A1)  
 Model No. : TE-5170X  
 Serial No. : 1117

### Part 3 – Collocation Results

Date of Collocation : 07 January 2026  
 Calibration Location : Island West Transfer Station  
 Method Used : Collocate a Real-Time TSP Monitor against a HVS at the same height with a horizontal separation distance of <1 m to collect at least 180 valid minute average measurements continuously

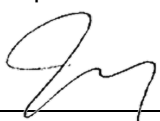
Date	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m <sup>3</sup> (Standard Equipment)	Concentration in ug/m <sup>3</sup> (Calibrated Equipment)
07/01/2026	10:20-11:20	14	1023	15.6	25.2
07/01/2026	11:23-12:23	14	1023	4.7	17.2
07/01/2026	12:26-13:26	14	1023	9.4	19.9
07/01/2026	13:30-14:30	14	1023	53.0	65.1
07/01/2026	14:33-15:33	14	1023	15.6	25.2
07/01/2026	15:37-16:37	14	1023	15.6	25.1


### Part 4 – Performance Check



Linear Regression:  
**Slope (K-factor): 0.9729**  
**Intercept: -9.8442**  
 $R^2 = 0.9947$   
 $R = 0.9973$

**Conclusion:**  $R > 0.9$ . The real-time air sensor complies\* / ~~does not comply\*~~ with the target values and is deemed acceptable\* / ~~unacceptable\*~~ for use.

Checked By :   
 Date : 07/01/2026

Certified By :   
 Date : 07/01/2026

Report No.: CR00260002

## Collocation Report of Real-Time TSP Monitor

### Part 1 – Equipment Calibrated

Description : Real-Time TSP Monitor  
 Manufacturer : 3NV Technology Limited  
 Model No. : 3NVA - 3000  
 Serial No. : 02400923032400063014  
 Location ID : TKO-A2a

### Part 2 – Standard Equipment

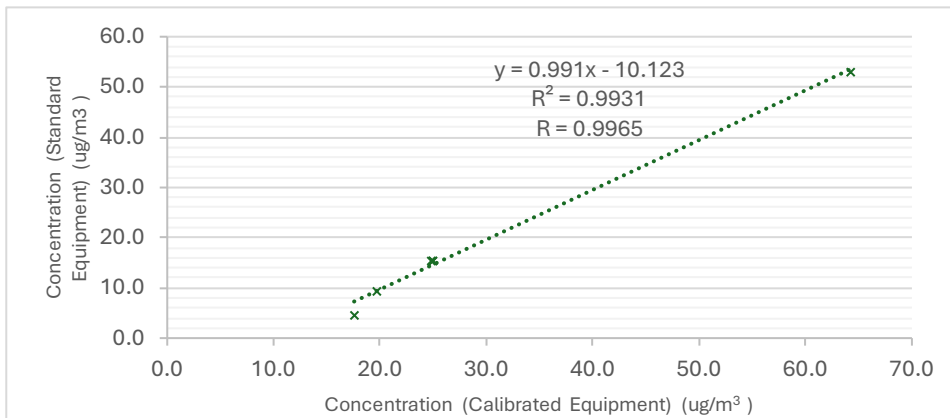
Description : High Volume Sampler (TSP)  
 Location : Island West Transfer Station (A1)  
 Model No. : TE-5170X  
 Serial No. : 1117

### Part 3 – Collocation Results

Date of Collocation : 07 January 2026  
 Calibration Location : Island West Transfer Station  
 Method Used : Collocate a Real-Time TSP Monitor against a HVS at the same height with a horizontal separation distance of <1 m to collect at least 180 valid minute average measurements continuously

Date	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m <sup>3</sup> (Standard Equipment)	Concentration in ug/m <sup>3</sup> (Calibrated Equipment)
07/01/2026	10:20-11:20	14	1023	15.6	24.9
07/01/2026	11:23-12:23	14	1023	4.7	17.6
07/01/2026	12:26-13:26	14	1023	9.4	19.7
07/01/2026	13:30-14:30	14	1023	53.0	64.2
07/01/2026	14:33-15:33	14	1023	15.6	24.9
07/01/2026	15:37-16:37	14	1023	15.6	24.9

### Part 4 – Performance Check



Linear Regression:

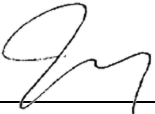
**Slope (K-factor): 0.991**


**Intercept: -10.123**

**R<sup>2</sup> = 0.9931**

**R = 0.9965**

**Conclusion:**  $R > 0.9$ . The real-time air sensor complies\* / ~~does not comply\*~~ with the target values and is deemed acceptable\* / ~~unacceptable\*~~ for use.

Checked By :   
 Date : 07/01/2026

Certified By :   
 Date : 07/01/2026

Report No.: CR00260003

## Collocation Report of Real-Time TSP Monitor

### Part 1 – Equipment Calibrated

Description : Real-Time TSP Monitor  
 Manufacturer : 3NV Technology Limited  
 Model No. : 3NVA - 3000  
 Serial No. : 00402425012000408239  
 Location ID : TKO-A3

### Part 2 – Standard Equipment

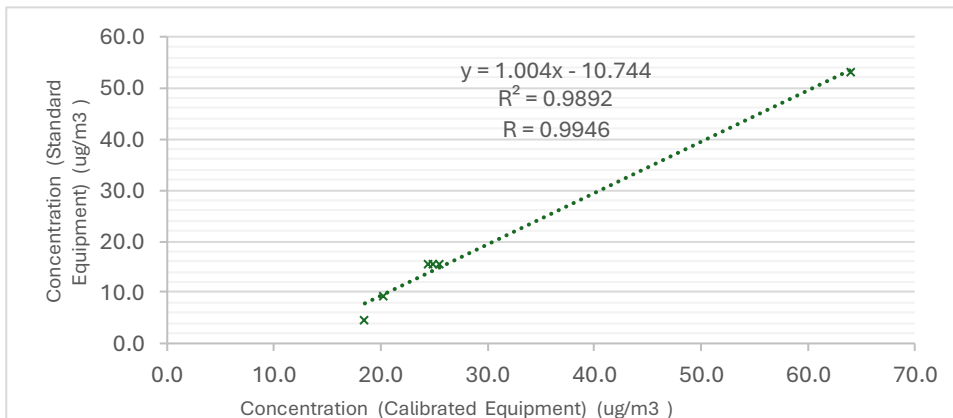
Description : High Volume Sampler (TSP)  
 Location : Island West Transfer Station (A1)  
 Model No. : TE-5170X  
 Serial No. : 1117

### Part 3 – Collocation Results

Date of Collocation : 07 January 2026  
 Calibration Location : Island West Transfer Station  
 Method Used : Collocate a Real-Time TSP Monitor against a HVS at the same height with a horizontal separation distance of <1 m to collect at least 180 valid minute average measurements continuously

Date	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m <sup>3</sup> (Standard Equipment)	Concentration in ug/m <sup>3</sup> (Calibrated Equipment)
07/01/2026	10:20-11:20	14	1023	15.6	24.4
07/01/2026	11:23-12:23	14	1023	4.7	18.5
07/01/2026	12:26-13:26	14	1023	9.4	20.3
07/01/2026	13:30-14:30	14	1023	53.0	64.1
07/01/2026	14:33-15:33	14	1023	15.6	25.5
07/01/2026	15:37-16:37	14	1023	15.6	24.9

### Part 4 – Performance Check



Linear Regression:

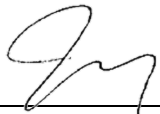
**Slope (K-factor): 1.004**


**Intercept: -10.744**

**R<sup>2</sup> = 0.9892**

**R = 0.9946**

**Conclusion:**  $R > 0.9$ . The real-time air sensor complies\* / ~~does not comply\*~~ with the target values and is deemed acceptable\* / ~~unacceptable\*~~ for use.

Checked By :   
 Date : 07/01/2026

Certified By :   
 Date : 07/01/2026

Report No.: CR00260004

## Collocation Report of Real-Time TSP Monitor

### Part 1 – Equipment Calibrated

Description : Real-Time TSP Monitor  
 Manufacturer : 3NV Technology Limited  
 Model No. : 3NVA - 3000  
 Serial No. : 00402425012000393367  
 Location ID : TKO-A4

### Part 2 – Standard Equipment

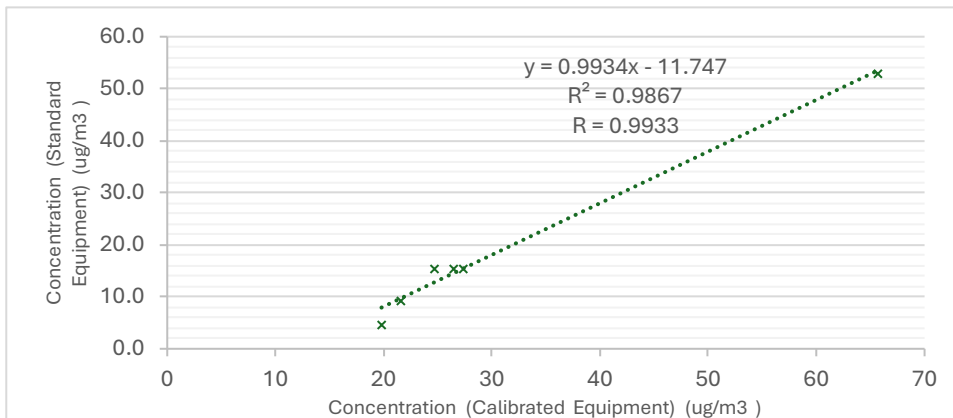
Description : High Volume Sampler (TSP)  
 Location : Island West Transfer Station (A1)  
 Model No. : TE-5170X  
 Serial No. : 1117

### Part 3 – Collocation Results

Date of Collocation : 07 January 2026  
 Calibration Location : Island West Transfer Station  
 Method Used : Collocate a Real-Time TSP Monitor against a HVS at the same height with a horizontal separation distance of <1 m to collect at least 180 valid minute average measurements continuously

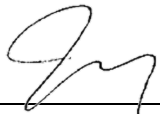
Date	Time	Mean Temp (°C)	Mean Pressure (hPa)	Concentration in ug/m <sup>3</sup> (Standard Equipment)	Concentration in ug/m <sup>3</sup> (Calibrated Equipment)
07/01/2026	10:20-11:20	14	1023	15.6	24.7
07/01/2026	11:23-12:23	14	1023	4.7	19.8
07/01/2026	12:26-13:26	14	1023	9.4	21.6
07/01/2026	13:30-14:30	14	1023	53.0	65.7
07/01/2026	14:33-15:33	14	1023	15.6	27.3
07/01/2026	15:37-16:37	14	1023	15.6	26.5


### Part 4 – Performance Check



Linear Regression:  
**Slope (K-factor): 0.9934**  
**Intercept: -11.747**  
 $R^2 = 0.9867$   
 $R = 0.9933$

**Conclusion:**  $R > 0.9$ . The real-time air sensor complies\* / ~~does not comply\*~~ with the target values and is deemed acceptable\* / ~~unacceptable\*~~ for use.

Checked By :   
 Date : 07/01/2026

Certified By :   
 Date : 07/01/2026

## **Appendix C2**

### **Air Quality Monitoring Schedule of the Reporting Month**



**January 2026**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				<b>1</b>	<b>2</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
						1-hr TSP x 3 24-hr TSP
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
				1-hr TSP x 3 24-hr TSP		
<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
	1-hr TSP x 3 24-hr TSP					1-hr TSP x 3 24-hr TSP
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>
					1-hr TSP x 3 24-hr TSP	

## **Appendix C3**

### **Air Quality Monitoring Results**

Monitoring Station: TKO-A1

**Summary of 1-hr TSP Monitoring Results**

Start		Finish		Sampling Time (hrs)	Measured Concentration (µg/m <sup>3</sup> )	Corrected Concentration (µg/m <sup>3</sup> )
Date	Time	Date	Time			
10/1/2026	10:00	10/1/2026	11:00	1	180	165
10/1/2026	14:00	10/1/2026	15:00	1	306	288
10/1/2026	17:00	10/1/2026	18:00	1	216	200
15/1/2026	10:00	15/1/2026	11:00	1	135	121
15/1/2026	14:00	15/1/2026	15:00	1	198	183
15/1/2026	17:00	15/1/2026	18:00	1	207	192
19/1/2026	10:00	19/1/2026	11:00	1	153	139
19/1/2026	14:00	19/1/2026	15:00	1	261	244
19/1/2026	17:00	19/1/2026	18:00	1	180	165
24/1/2026	10:00	24/1/2026	11:00	1	261	244
24/1/2026	14:00	24/1/2026	15:00	1	216	200
24/1/2026	17:00	24/1/2026	18:00	1	198	183
30/1/2026	10:00	30/1/2026	11:00	1	117	104
30/1/2026	14:00	30/1/2026	15:00	1	180	165
30/1/2026	17:00	30/1/2026	18:00	1	117	104
<b>Min</b>						104
<b>Max</b>						288
<b>Average</b>						180

**Summary of 24-hr TSP Monitoring Results**

Start		Finish		Sampling Time (hrs)	Measured Concentration (µg/m <sup>3</sup> )	Corrected Concentration (µg/m <sup>3</sup> )
Date	Time	Date	Time			
10/1/2026	08:00	11/1/2026	08:00	24	207	192
15/1/2026	08:00	16/1/2026	08:00	24	198	183
19/1/2026	08:00	20/1/2026	08:00	24	153	139
24/1/2026	08:00	25/1/2026	08:00	24	180	165
30/1/2026	08:00	31/1/2026	08:00	24	117	104
<b>Min</b>						104
<b>Max</b>						192
<b>Average</b>						157

Monitoring Station: TKO-A2a

**Summary of 1-hr TSP Monitoring Results**

Start		Finish		Sampling Time (hrs)	Measured Concentration (µg/m <sup>3</sup> )	Corrected Concentration (µg/m <sup>3</sup> )
Date	Time	Date	Time			
10/1/2026	10:00	10/1/2026	11:00	1	110	99
10/1/2026	14:00	10/1/2026	15:00	1	208	196
10/1/2026	17:00	10/1/2026	18:00	1	193	181
15/1/2026	10:00	15/1/2026	11:00	1	98	86
15/1/2026	14:00	15/1/2026	15:00	1	268	255
15/1/2026	17:00	15/1/2026	18:00	1	170	158
19/1/2026	10:00	19/1/2026	11:00	1	165	153
19/1/2026	14:00	19/1/2026	15:00	1	225	213
19/1/2026	17:00	19/1/2026	18:00	1	173	161
24/1/2026	10:00	24/1/2026	11:00	1	200	188
24/1/2026	14:00	24/1/2026	15:00	1	248	235
24/1/2026	17:00	24/1/2026	18:00	1	148	136
30/1/2026	10:00	30/1/2026	11:00	1	135	124
30/1/2026	14:00	30/1/2026	15:00	1	165	153
30/1/2026	17:00	30/1/2026	18:00	1	150	139
<b>Min</b>						86
<b>Max</b>						255
<b>Average</b>						165

**Summary of 24-hr TSP Monitoring Results**

Start		Finish		Sampling Time (hrs)	Measured Concentration (µg/m <sup>3</sup> )	Corrected Concentration (µg/m <sup>3</sup> )
Date	Time	Date	Time			
10/1/2026	08:00	11/1/2026	08:00	24	138	126
15/1/2026	08:00	16/1/2026	08:00	24	177	165
19/1/2026	08:00	20/1/2026	08:00	24	150	139
24/1/2026	08:00	25/1/2026	08:00	24	143	131
30/1/2026	08:00	31/1/2026	08:00	24	110	99
<b>Min</b>						99
<b>Max</b>						165
<b>Average</b>						132

Monitoring Station: TKO-A3

**Summary of 1-hr TSP Monitoring Results**

Start		Finish		Sampling Time (hrs)	Measured Concentration (µg/m <sup>3</sup> )	Corrected Concentration (µg/m <sup>3</sup> )
Date	Time	Date	Time			
10/1/2026	10:00	10/1/2026	11:00	1	231	221
10/1/2026	14:00	10/1/2026	15:00	1	253	243
10/1/2026	17:00	10/1/2026	18:00	1	264	254
15/1/2026	10:00	15/1/2026	11:00	1	198	188
15/1/2026	14:00	15/1/2026	15:00	1	209	199
15/1/2026	17:00	15/1/2026	18:00	1	220	210
19/1/2026	10:00	19/1/2026	11:00	1	204	194
19/1/2026	14:00	19/1/2026	15:00	1	250	240
19/1/2026	17:00	19/1/2026	18:00	1	220	210
24/1/2026	10:00	24/1/2026	11:00	1	319	310
24/1/2026	14:00	24/1/2026	15:00	1	220	210
24/1/2026	17:00	24/1/2026	18:00	1	253	243
30/1/2026	10:00	30/1/2026	11:00	1	192	182
30/1/2026	14:00	30/1/2026	15:00	1	252	242
30/1/2026	17:00	30/1/2026	18:00	1	208	198
<b>Min</b>						182
<b>Max</b>						310
<b>Average</b>						223

**Summary of 24-hr TSP Monitoring Results**

Start		Finish		Sampling Time (hrs)	Measured Concentration (µg/m <sup>3</sup> )	Corrected Concentration (µg/m <sup>3</sup> )
Date	Time	Date	Time			
10/1/2026	08:00	11/1/2026	08:00	24	200	190
15/1/2026	08:00	16/1/2026	08:00	24	198	188
19/1/2026	08:00	20/1/2026	08:00	24	187	177
24/1/2026	08:00	25/1/2026	08:00	24	171	161
30/1/2026	08:00	31/1/2026	08:00	24	143	133
<b>Min</b>						133
<b>Max</b>						190
<b>Average</b>						170

Monitoring Station: TKO-A4

**Summary of 1-hr TSP Monitoring Results**

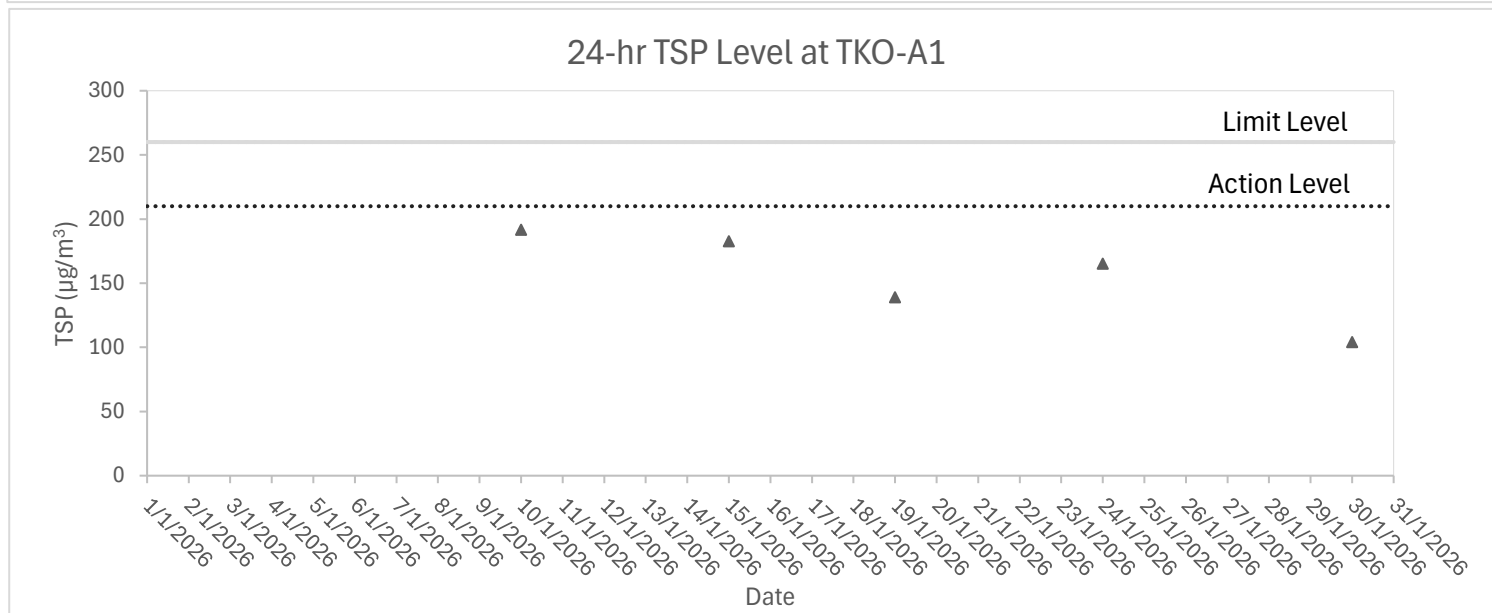
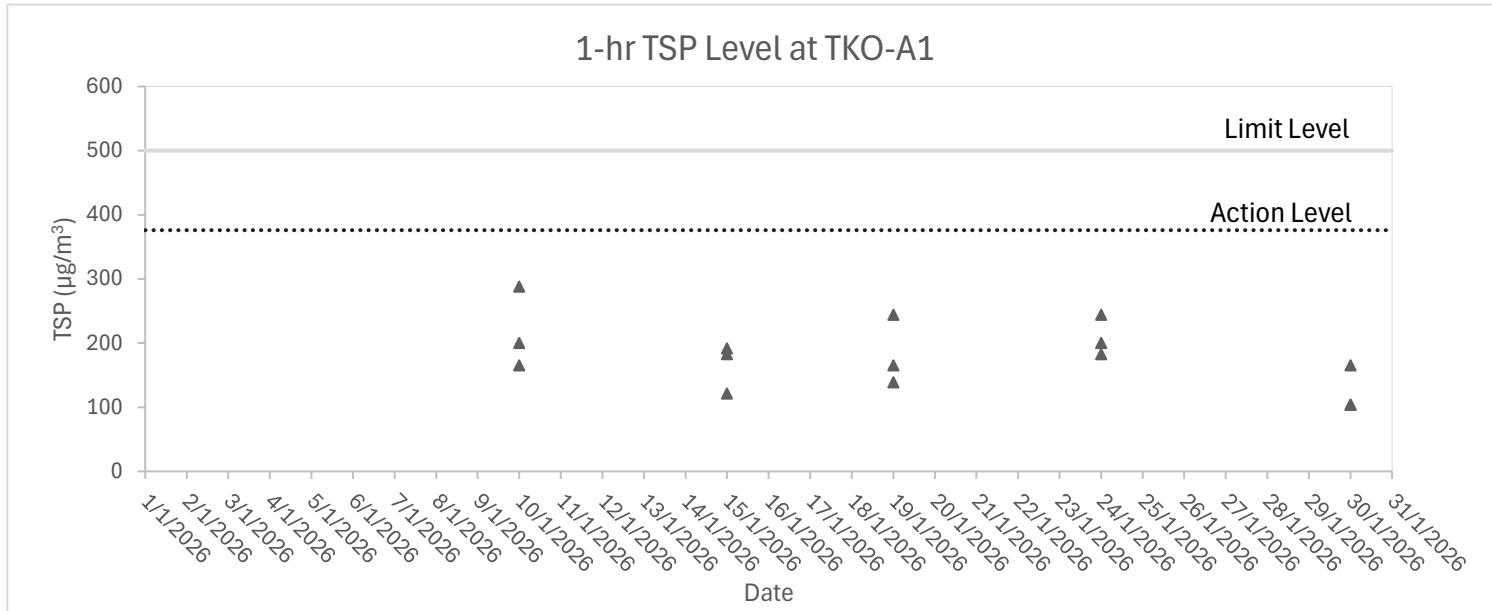
Start		Finish		Sampling Time (hrs)	Measured Concentration (µg/m <sup>3</sup> )	Corrected Concentration (µg/m <sup>3</sup> )
Date	Time	Date	Time			
10/1/2026	10:00	10/1/2026	11:00	1	133	120
10/1/2026	14:00	10/1/2026	15:00	1	138	125
10/1/2026	17:00	10/1/2026	18:00	1	120	107
15/1/2026	10:00	15/1/2026	11:00	1	114	102
15/1/2026	14:00	15/1/2026	15:00	1	147	134
15/1/2026	17:00	15/1/2026	18:00	1	126	113
19/1/2026	10:00	19/1/2026	11:00	1	98	86
19/1/2026	14:00	19/1/2026	15:00	1	168	155
19/1/2026	17:00	19/1/2026	18:00	1	192	179
24/1/2026	10:00	24/1/2026	11:00	1	180	167
24/1/2026	14:00	24/1/2026	15:00	1	138	125
24/1/2026	17:00	24/1/2026	18:00	1	154	141
30/1/2026	10:00	30/1/2026	11:00	1	84	72
30/1/2026	14:00	30/1/2026	15:00	1	114	102
30/1/2026	17:00	30/1/2026	18:00	1	105	93
<b>Min</b>						72
<b>Max</b>						179
<b>Average</b>						121

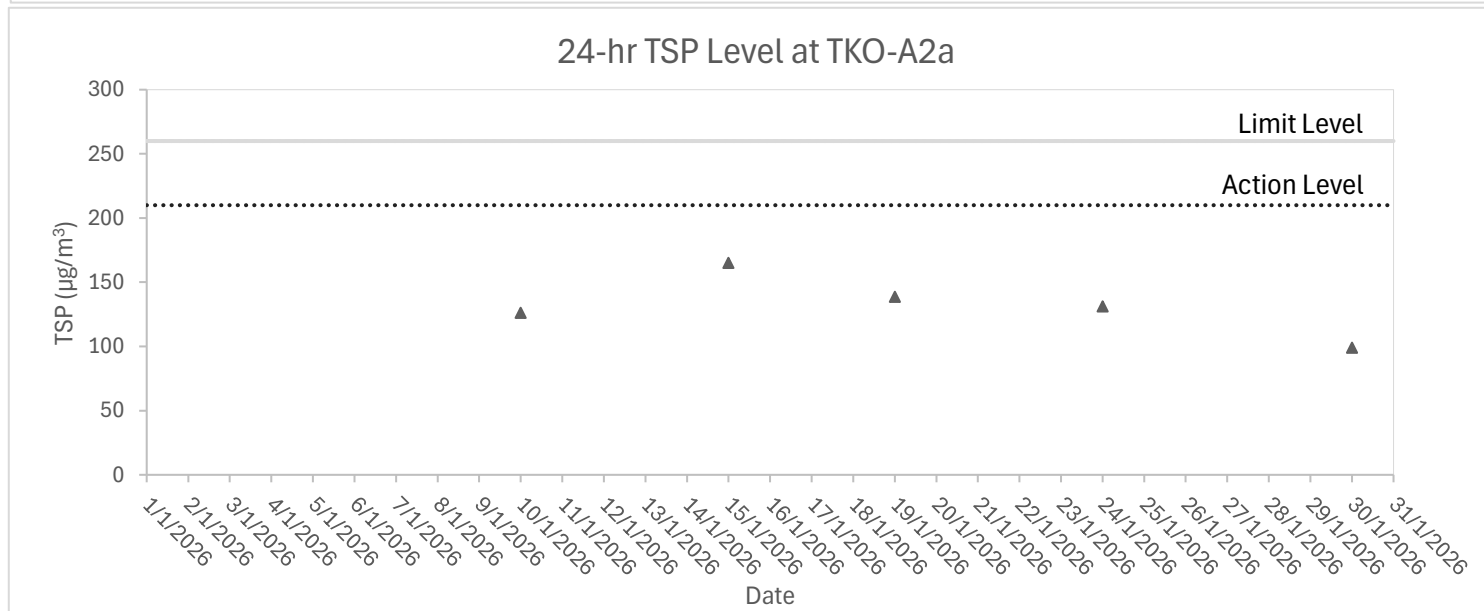
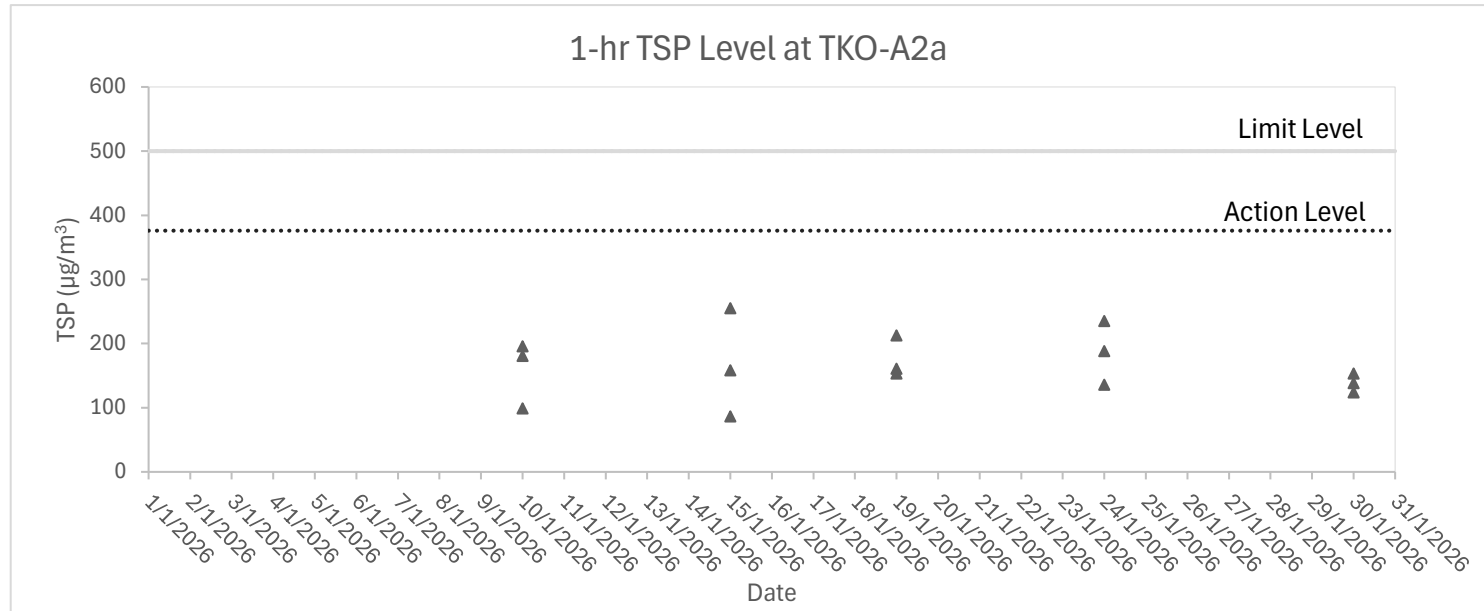
**Summary of 24-hr TSP Monitoring Results**

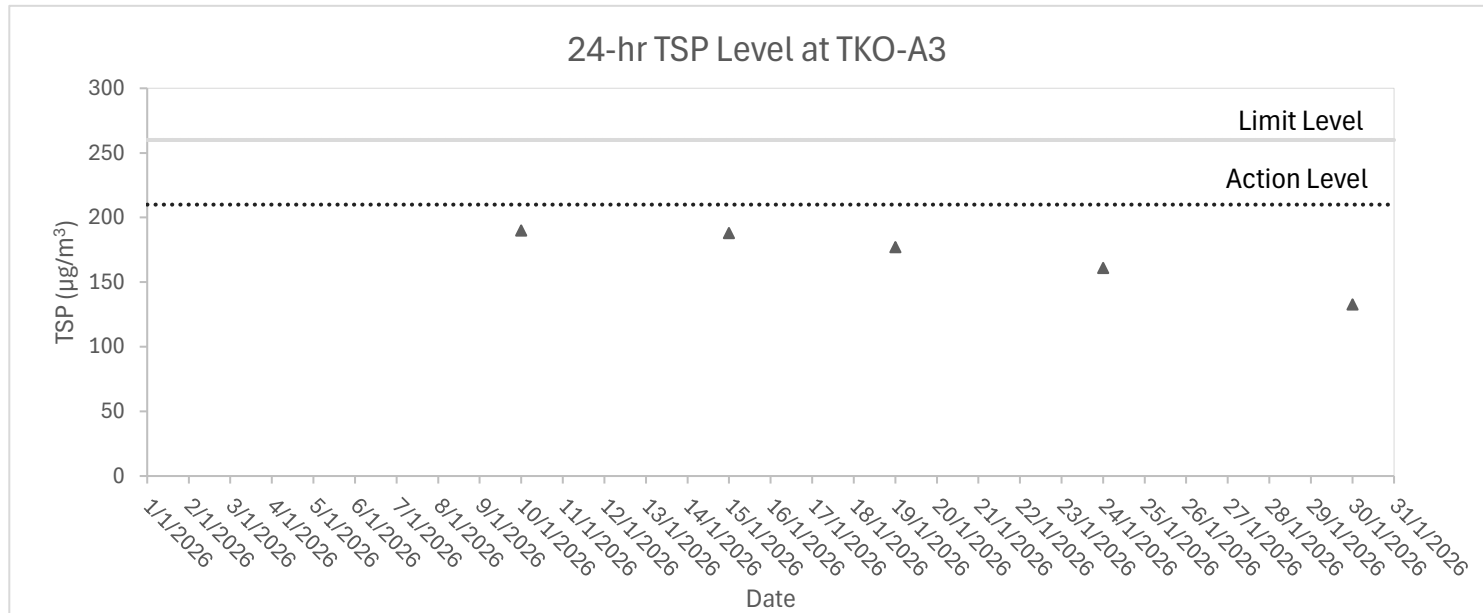
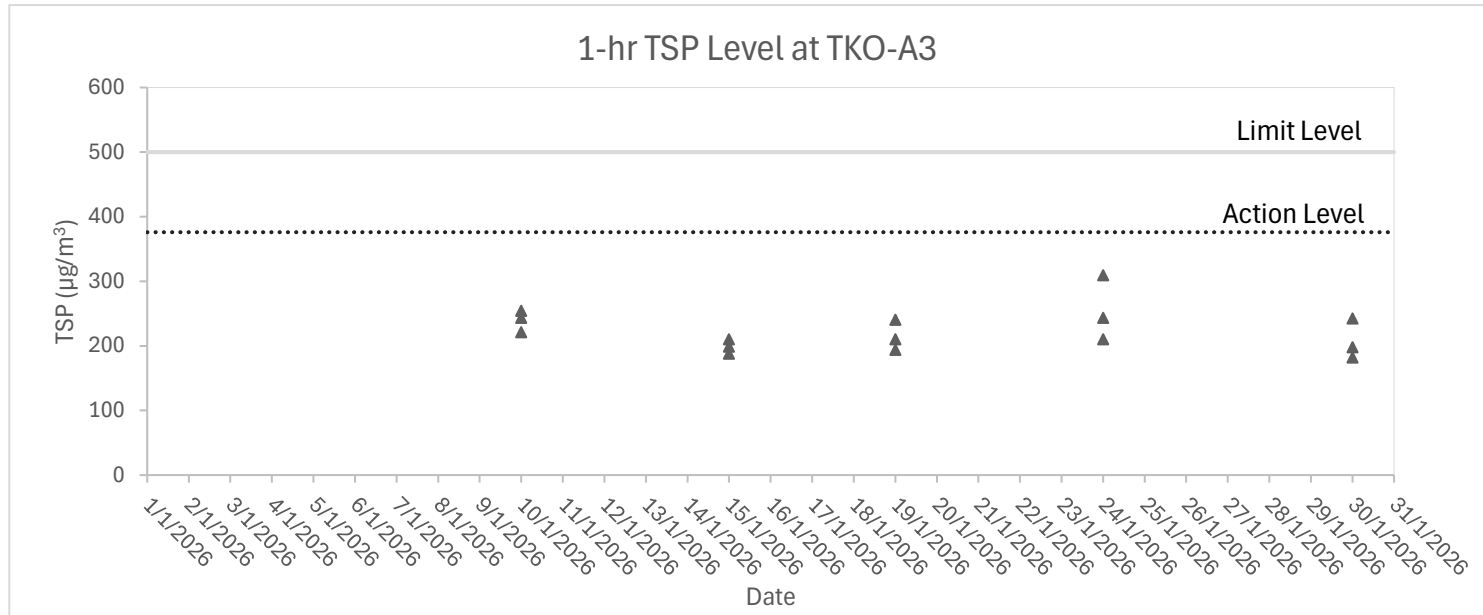
Start		Finish		Sampling Time (hrs)	Measured Concentration (µg/m <sup>3</sup> )	Corrected Concentration (µg/m <sup>3</sup> )
Date	Time	Date	Time			
10/1/2026	08:00	11/1/2026	08:00	24	132	119
15/1/2026	08:00	16/1/2026	08:00	24	133	120
19/1/2026	08:00	20/1/2026	08:00	24	102	90
24/1/2026	08:00	25/1/2026	08:00	24	120	107
30/1/2026	08:00	31/1/2026	08:00	24	84	72
<b>Min</b>						72
<b>Max</b>						120
<b>Average</b>						102

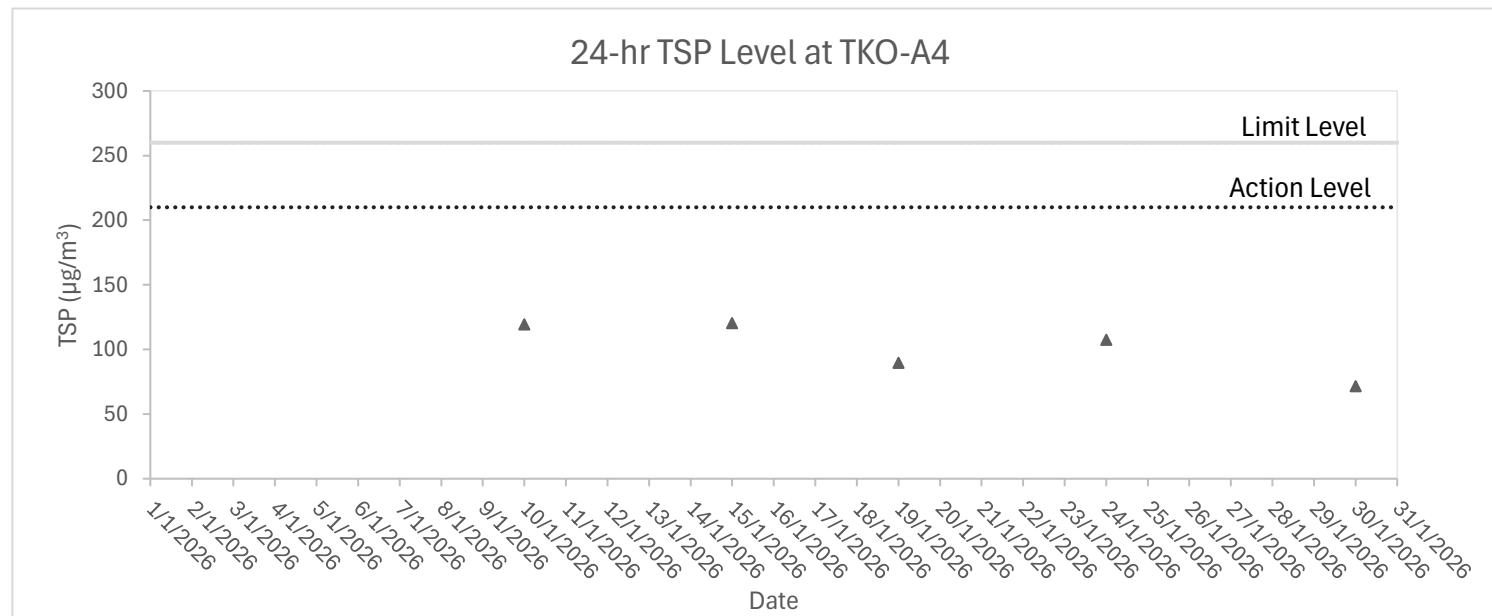
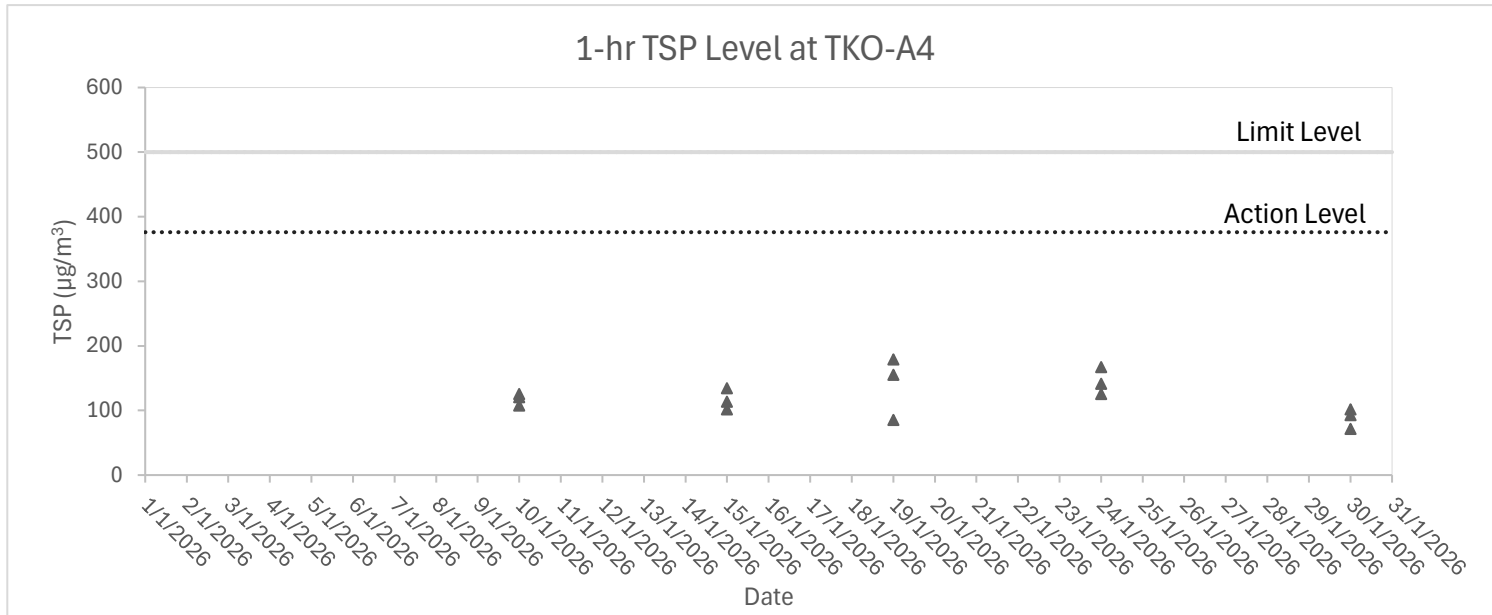
## **Appendix C4**

### **Graphical Plots of Air Quality Monitoring Results**









## **Appendix C5**

### **Event and Action Plan (Air Quality)**

## EVENT/ACTION PLAN FOR AIR QUALITY EXCEEDANCE

ET Leader	ACTION	Contractor
IC(E)	ER	

EVENT	ACTION LEVEL	LIMIT LEVEL	ACTION
<ol style="list-style-type: none"> <li>Exceedance for one sample</li> </ol>	<ol style="list-style-type: none"> <li>Identify source, investigate the causes of exceedance and propose remedial measures</li> <li>Inform ER, IC(E) and Contractor</li> <li>Repeat measurement to confirm finding</li> <li>Increase monitoring frequency to daily</li> </ol>	<ol style="list-style-type: none"> <li>Check monitoring data submitted by the ET Leader</li> <li>Check the Contractor's working method</li> <li>Discuss with ET and Contractor on possible remedial measures</li> <li>Advise the ER on the effectiveness of the proposed remedial measures</li> <li>Supervise implementation of remedial measures</li> </ol>	<ol style="list-style-type: none"> <li>Check monitoring data submitted by the ET</li> <li>Check the Contractor's working method</li> <li>Discuss with ET and Contractor on possible remedial measures</li> <li>Advise the ER on the effectiveness of the proposed remedial measures</li> <li>Supervise implementation of remedial measures</li> </ol>
<ol style="list-style-type: none"> <li>Exceedance for two or more consecutive samples</li> </ol>	<ol style="list-style-type: none"> <li>Identify source, investigate the causes of exceedance and propose remedial measures</li> <li>Inform IC(E) and Contractor</li> <li>Repeat measurements to confirm finding</li> <li>Increase monitoring frequency to daily</li> <li>Discuss with IC(E) and Contractor on remedial actions</li> <li>If exceedance continues, arrange meeting with IC(E) and ER.</li> <li>If exceedance stops, cease additional monitoring</li> </ol>	<ol style="list-style-type: none"> <li>Check monitoring data submitted by the ET Leader</li> <li>Check Contractor's working method</li> <li>Discuss with ET and Contractor on possible remedial measures</li> <li>Advise the ER on the effectiveness of the proposed remedial measures</li> <li>Supervise implementation of remedial measures</li> </ol>	<ol style="list-style-type: none"> <li>Confirm receipt of notification of failure in writing</li> <li>Notify the Contractor</li> <li>Ensure remedial measures properly implemented</li> </ol>
<ol style="list-style-type: none"> <li>Exceedance for one sample</li> </ol>	<ol style="list-style-type: none"> <li>Identify source, investigate the causes of exceedance and propose remedial measures</li> <li>Inform ER, Contractor and EPD</li> <li>Repeat measurement to confirm finding</li> <li>Increase monitoring frequency to daily</li> <li>Assess the effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results</li> </ol>	<ol style="list-style-type: none"> <li>Check monitoring data submitted by the ET Leader</li> <li>Check Contractor's working method</li> <li>Discuss with ET and Contractor on possible remedial measures</li> <li>Advise the ER on the effectiveness of the proposed remedial measures</li> <li>Supervise implementation of remedial measures</li> </ol>	<ol style="list-style-type: none"> <li>Confirm receipt of notification of failure in writing</li> <li>Notify the Contractor</li> <li>Ensure remedial measures properly implemented</li> </ol>

1. Rectify any unacceptable practise  
 2. Amend working methods if appropriate

1. Notify Contractor

1. Check monitoring data submitted by the ET  
 2. Check contractor's working method

1. Identify source, investigate the causes of exceedance and propose remedial measures  
 2. Inform ER, IC(E) and Contractor  
 3. Repeat measurement to confirm finding  
 4. Increase monitoring frequency to daily

1. Exceedance for one sample

1. Confirm receipt of notification of failure in writing  
 2. Notify the Contractor  
 3. Ensure remedial measures properly implemented

1. Check monitoring data submitted by the ET Leader  
 2. Check the Contractor's working method  
 3. Discuss with ET and Contractor on possible remedial measures  
 4. Advise the ER on the effectiveness of the proposed remedial measures  
 5. Supervise implementation of remedial measures

1. Identify source, investigate the causes of exceedance and propose remedial measures  
 2. Inform IC(E) and Contractor  
 3. Repeat measurements to confirm finding  
 4. Increase monitoring frequency to daily  
 5. Discuss with IC(E) and Contractor on remedial actions  
 6. If exceedance continues, arrange meeting with IC(E) and ER.  
 7. If exceedance stops, cease additional monitoring

1. Exceedance for two or more consecutive samples

1. Confirm receipt of notification of failure in writing  
 2. Notify the Contractor  
 3. Ensure remedial measures properly implemented

1. Check monitoring data submitted by the ET Leader  
 2. Check the Contractor's working method  
 3. Discuss with ET and Contractor on possible remedial measures  
 4. Advise the ER on the effectiveness of the proposed remedial measures  
 5. Supervise implementation of remedial measures

1. Identify source, investigate the causes of exceedance and propose remedial measures  
 2. Inform ER, Contractor and EPD  
 3. Repeat measurement to confirm finding  
 4. Increase monitoring frequency to daily  
 5. Assess the effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results

1. Exceedance for one sample

1. Take immediate action to avoid further exceedance  
 2. Submit proposals for remedial actions to IC(E) within 3 working days of notification  
 3. Implement the agreed proposals  
 4. Amend proposal if appropriate

1. Check monitoring data submitted by the ET Leader  
 2. Check Contractor's working method  
 3. Discuss with ET and Contractor on possible remedial measures  
 4. Advise the ER on the effectiveness of the proposed remedial measures  
 5. Supervise implementation of remedial measures

1. Identify source, investigate the causes of exceedance and propose remedial measures  
 2. Inform ER, Contractor and EPD  
 3. Repeat measurement to confirm finding  
 4. Increase monitoring frequency to daily  
 5. Assess the effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results

1. Exceedance for one sample

1. Confirm receipt of notification of failure in writing  
 2. Notify the Contractor  
 3. Ensure remedial measures properly implemented

1. Check monitoring data submitted by the ET Leader  
 2. Check Contractor's working method  
 3. Discuss with ET and Contractor on possible remedial measures  
 4. Advise the ER on the effectiveness of the proposed remedial measures  
 5. Supervise implementation of remedial measures

1. Identify source, investigate the causes of exceedance and propose remedial measures  
 2. Inform ER, Contractor and EPD  
 3. Repeat measurement to confirm finding  
 4. Increase monitoring frequency to daily  
 5. Assess the effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results

1. Exceedance for one sample

1. Take immediate action to avoid further exceedance  
 2. Submit proposals for remedial actions to IC(E) within 3 working days of notification  
 3. Implement the agreed proposals  
 4. Amend proposal if appropriate

## EVENT/ACTION PLAN FOR AIR QUALITY EXCEEDANCE

	ACTION			
EVENT	ET Leader	IC(E)	ER	Contractor
<p>2. Exceedance for two or more consecutive samples</p>	<ol style="list-style-type: none"> <li>1. Identify source, investigate the causes of exceedance and propose remedial measures</li> <li>2. Notify IC(E), ER, EPD and Contractor</li> <li>3. Repeat measurement to confirm finding</li> <li>4. Increase monitoring frequency to daily</li> <li>5. Carry out analysis of contractor's working procedures to determine possible mitigation to be implemented</li> <li>6. Arrange meeting with IC(E) and ER to discuss the remedial actions to be taken</li> <li>7. Assess effectiveness of Contractor's remedial actions and keep IC(E), EPD and ER informed of the results</li> <li>8. If exceedance stops, cease additional monitoring</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss amongst ER, ET and Contractor on the potential remedial actions</li> <li>2. Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly</li> <li>3. Supervise the implementation of remedial measures</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing</li> <li>2. Notify Contractor</li> <li>3. In consultation with the IC(E), agree with the Contractor on the remedial measures to be implemented</li> <li>4. Ensure remedial measures are properly implemented</li> <li>5. If exceedances continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedances</li> <li>2. Submit proposals for remedial actions to IC(E) within 3 working days of notification</li> <li>3. Implement the agreed proposals</li> <li>4. Resubmit proposals if problem still not under control</li> <li>5. Stop the relevant activity of works as determined by the ER until the exceedance is abated</li> </ol>

## **Appendix D1**

### **Calibration Certificates for Noise Monitoring Equipment**



**Summary of Calibration Certificates for Noise Monitoring Equipment  
used in this reporting month**

<b>Equipment</b>	<b>Serial No.</b>	<b>Calib. Date</b>	<b>Due Date</b>
Sound Level Calibrator (Pulsar 105)	46029	02/01/2026	01/01/2027
Sound Level Meter (SVANTEK 971)	61470	02/01/2026	01/01/2027

# Certificate of Calibration

for

**Description:** *Sound Level Calibrator*  
**Manufacturer:** *pulsar*  
**Type No.:** *105*  
**Serial No.:** *46029*

## Submitted by:

**Customer:** *3NV Technology Limited*  
**Address:** *Room B, 12th Floor, Hang Seng Causeway Bay Building, 28  
Yee Wo Street, Causeway Bay, Hong Kong*

Upon receipt for calibration, the instrument was found to be:

- Within**  
 **Outside**

the allowable tolerance.

The test equipments used for calibration are traceable to National Standards via:

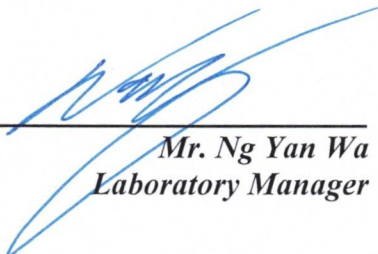
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt:** 31 December 2025

**Date of calibration:** 2 January 2026

**Date of NEXT calibration:** 1 January 2027

**Calibrated by:**   
Calibration Technician

**Certified by:**   
Mr. Ng Yan Wa  
Laboratory Manager

**Date of issue:** 2 January 2026

Certificate No.: APJ25-112-CC002



Page 1 of 2

**1. Calibration Precautions:**

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

**2. Calibration Specifications:**

Calibration check

**3. Calibration Conditions:**

Air Temperature: 24.5 °C  
 Air Pressure: 1006 hPa  
 Relative Humidity: 49.9 %

**4. Calibration Equipment:**

Test Equipment	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS
Sound Level Meter	RION NA-28	30721812	AV250138	HOKLAS

**5. Calibration Results**

## 5.1 Sound Pressure Level

Nominal value dB	Accept lower level dB	Accept upper level dB	Measured value dB
94.0	93.6	94.4	94.0

**6. Calibration Results Applied**

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 60942 Class 1.

## Note:

The values given in this certification only related to the values measured at the time of the calibration.



# Certificate of Calibration

for

**Description:** Sound Level Meter  
**Manufacturer:** SVANTEK  
**Type No.:** 971 (Serial No.: 61470)  
**Microphone:** ACO 7052E (Serial No.: 67926)  
**Preamplifier:** SV 18 (Serial No.:64713)

### Submitted by:

**Customer:** 3NV Technology Limited  
**Address:** Room B, 12th Floor, Hang Seng Causeway Bay Building, 28  
Yee Wo Street, Causeway Bay, Hong Kong

Upon receipt for calibration, the instrument was found to be:

- Within (31.5Hz – 4kHz)  
 Outside

the allowable tolerance.

The test equipment used for calibration are traceable to National Standards via:

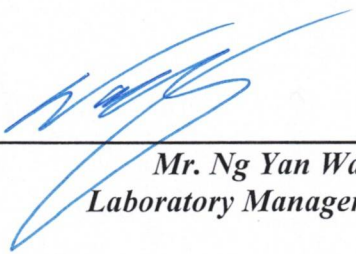
- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory

**Date of receipt:** 31 December 2025

**Date of calibration:** 2 January 2026

**Date of NEXT calibration:** 1 January 2027

Calibrated by:   
Calibration Technician

Certified by:   
Mr. Ng Yan Wa  
Laboratory Manager

**Date of issue:** 2 January 2026

Certificate No.: APJ25-112-CC001



Page 1 of 4

**1. Calibration Precaution:**

- The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 24 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- The results presented are the mean of 3 measurements at each calibration point.

**2. Calibration Conditions:**

Air Temperature: 24.5 °C  
 Air Pressure: 1006 hPa  
 Relative Humidity: 49.9 %

**3. Calibration Equipment:**

	Type	Serial No.	Calibration Report Number	Traceable to
Multifunction Calibrator	B&K 4226	2288467	AV240081	HOKLAS

**4. Calibration Results**

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
37.5-139.5	dBa SPL	Fast	94	1000	94.0	±0.4

Linearity

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
37.5-139.5	dBa SPL	Fast	94	1000	94.0	Ref
			104		104.1	±0.3
			114		114.1	±0.3

Time Weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz		
37.5-139.5	dBa SPL	Fast	94	1000	94.0	Ref
		Slow			94.0	±0.3

Frequency Response

Linear Response

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB	
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz			
37.5-139.5	dB	SPL	Fast	94	31.5	94.6	±2.0
					63	94.4	±1.5
					125	94.3	±1.5
					250	94.2	±1.4
					500	94.1	±1.4
					1000	94.0	Ref
					2000	93.9	±1.6
					4000	93.5	±1.6

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB	
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz			
37.5-139.5	dBA	SPL	Fast	94	31.5	55.2	-39.4±2.0
					63	68.2	-26.2±1.5
					125	78.2	-16.1±1.5
					250	85.5	-8.6±1.4
					500	90.9	-3.2±1.4
					1000	94.0	Ref
					2000	95.1	+1.2±1.6
					4000	94.6	+1.0±1.6

C-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading, dB	IEC 61672 Class 1 Specification, dB	
Range, dB	Freq. Weighting	Time Weighting	Level, dB	Frequency, Hz			
37.5-139.5	dBC	SPL	Fast	94	31.5	91.5	-3.0±2.0
					63	93.6	-0.8±1.5
					125	94.1	-0.2±1.5
					250	94.2	-0.0±1.4
					500	94.1	-0.0±1.4
					1000	94.0	Ref
					2000	93.7	-0.2±1.6
					4000	92.8	-0.8±1.6

## 5. Calibration Results Applied

The results apply to the particular unit-under-test only. All calibration points are within manufacture's specification as IEC 61672 Class 1.

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.10
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

### Note:

The values given in this certification only related to the values measured at the time of the calibration and any uncertainties quoted will not allow for the equipment long-term drift, variations with environmental changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the calibration. (A+A)\*L shall not be liable for any loss or damage resulting from the use of the equipment.

## **Appendix D2**

### **Noise Monitoring Schedule of the Reporting Month**

**January 2026**

<b>Sun</b>	<b>Mon</b>	<b>Tue</b>	<b>Wed</b>	<b>Thu</b>	<b>Fri</b>	<b>Sat</b>
				<b>1</b>	<b>2</b>	<b>3</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
	NM					
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>

## **Appendix D3**

### **Noise Monitoring Results**

**Monitoring Station:** TKO-N1

**Day-time Noise Monitoring**

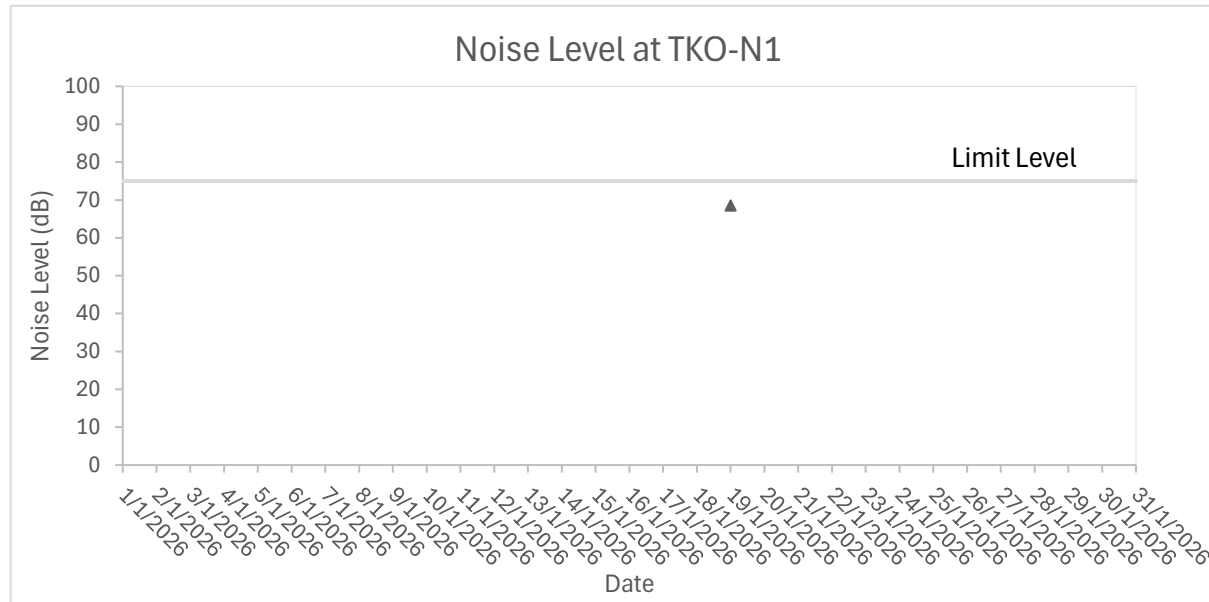
Date	Sampling Time	Noise Level dB (A)			Wind Speed (m/s)	Weather Condition	Remark
		Leq(30min)	L10	L90			
19/1/2026	10:49	68.5	71.2	62.9	0.2	Cloudy	Major Source from Dump Truck passing by

Remark: 3dB(A) correction was added to the results during the free noise measurements.

## **Appendix D4**

### **Graphical Plots of Noise Monitoring Data**

Monitoring Station: TKO-N1



## **Appendix D5**

### **Event and Action Plan (Noise)**

## EVENT/ACTION PLAN FOR NOISE EXCEEDANCE

EVENT	ACTION			
	ET Leader	IC(E)	ER	Contractor
Action Level	<ol style="list-style-type: none"> <li>1. Notify the IC(E) and the Contractor.</li> <li>2. Carry out investigation.</li> <li>3. Report the results of investigation to the IC(E) and the Contractor.</li> <li>4. Discuss with the Contractor and formulate remedial measures.</li> <li>5. Increase monitoring frequency to check mitigation effectiveness</li> </ol>	<ol style="list-style-type: none"> <li>1. Review the analysed results submitted by the ET.</li> <li>2. Review the proposed remedial measures by the Contractor and advise the ER accordingly.</li> <li>3. Supervise the implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing.</li> <li>2. Notify the Contractor.</li> <li>3. Require the Contractor to propose remedial measures for the analysed noise problem.</li> <li>4. Ensure remedial measures are properly implemented.</li> </ol>	<ol style="list-style-type: none"> <li>1. Submit noise mitigation proposals to IC(E).</li> <li>2. Implement noise mitigation proposals.</li> </ol>
Limit Level	<ol style="list-style-type: none"> <li>1. Notify the IC(E), the ER, the EPD and the Contractor.</li> <li>2. Identify source.</li> <li>3. Repeat measurement to confirm findings.</li> <li>4. Increase monitoring frequency.</li> <li>5. Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemented.</li> <li>6. Inform the IC(E), the ER and the EPD the causes &amp; actions taken for the exceedances.</li> <li>7. Assess effectiveness of Contractor's remedial actions and keep the IC(E), the EPD and the ER informed of the results</li> <li>8. If exceedance due to the construction works stops, cease additional monitoring</li> </ol>	<ol style="list-style-type: none"> <li>1. Discuss amongst the ER, the ET Leader and the Contractor on the potential remedial actions.</li> <li>2. Review the Contractor's remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.</li> <li>3. Supervise the implementation of remedial measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Confirm receipt of notification of failure in writing.</li> <li>2. Notify the Contractor.</li> <li>3. Require the Contractor to propose remedial measures for the analysed noise problem.</li> <li>4. Ensure remedial measures are properly implemented.</li> <li>5. If exceedances continue, consider what activity of the work is responsible and instruct the Contractor to stop that activity of work until the exceedances is abated.</li> </ol>	<ol style="list-style-type: none"> <li>1. Take immediate action to avoid further exceedance</li> <li>2. Submit proposals for remedial actions to IC(E) within 3 working days of notification.</li> <li>3. Implement the agreed proposals.</li> <li>4. Resubmit proposals if problem still not under control.</li> <li>5. Stop the relevant activity of works as determined by the ER until the exceedances is abated.</li> </ol>

## EVENT AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE

Event	ACTION		
	ET Leader	Contractor	ER IEC
<p>Action level being exceeded by one sampling day</p>	<ol style="list-style-type: none"> <li>1. Identify source(s) of impact;</li> <li>2. Repeat in-situ measurement to confirm findings;</li> <li>3. Notify Contractor in writing within 24 hours of identification of the exceedance</li> <li>4. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>5. Carry out investigation</li> <li>6. Report the results of investigation to the Contractor within 3 working days of identification of exceedance and advise contractor if exceedance is due to contractor's construction works</li> <li>7. Discuss mitigation measures with Contractor if exceedance is due to the construction works within 4 working days</li> <li>8. Repeat measurement on next day of exceedance if exceedance is due to the construction works</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify the ER and IEC in writing within 24 hours of identification of exceedance</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Submit investigation report to IEC and ER within 3 working days of the identification of an exceedance</li> <li>5. Consider changes of working method if exceedance is due to the construction works</li> <li>6. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER if exceedance is due to the construction works within 4 working days of identification of an exceedance</li> <li>7. Implement the agreed mitigation measures within reasonable time scale</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify EPD and other relevant governmental agencies in writing within 24 hours of the identification of the exceedance</li> <li>2. Discuss with IEC, ET and Contractor on the proposed mitigation measures;</li> <li>3. Require contractor to propose remedial measures for the analysed problem if related to the construction works</li> <li>4. Ensure remedial measures are properly implemented</li> <li>5. Assess the effectiveness of the mitigation measure</li> </ol>
			<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET</li> <li>2. Confirm ET assessment if exceedance is due / not due to the works</li> <li>3. Discuss with ET, ER and Contractor on the mitigation measures</li> <li>4. Review contractor's mitigation measures whenever necessary to ensure their effectiveness and advise the ER accordingly</li> <li>5. Supervise the implementation of mitigation measures</li> </ol>

## **Appendix E1**

### **Calibration Certificates for Water Quality Monitoring Equipment**



## REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION

**CONTACT:** IVY LO  
**CLIENT:** 3NV TECHNOLOGY LIMITED  
**ADDRESS:** UNIT B, 12/F,  
HANG SENG CAUSEWAY BAY BUILDING,  
28 YEE WO STREET,  
CAUSEWAY BAY, HONG KONG

**WORK ORDER:** HK2556485  
**SUB-BATCH:** 0  
**LABORATORY:** HONG KONG  
**DATE RECEIVED:** 20-Nov-2025  
**DATE OF ISSUE:** 08-Jan-2026

### GENERAL COMMENTS

The performance of the equipment stated in this report is checked with independent reference material and results compared against a calibrated secondary source.

The "Tolerance Limit" quoted is the acceptance criteria applicable for similar equipment used by the laboratory or quoted from relevant international standards.

The "Next Calibration Date" is recommended according to best practice principle as practised by the laboratory or quoted from relevant international standards.

The validity of equipment/ meter performance only applies to the result(s) stated in the report.

This report superseded any previous report(s) with same work order number.

### EQUIPMENT INFORMATION

Equipment information (Brand name, Model No., Serial No. and Equipment No.) is provided by client.

Equipment Type: Multifunctional Meter

Service Nature: Performance Check

Scope: Conductivity, Dissolved Oxygen, Turbidity, Salinity and Temperature

Brand Name/ Model No.: [HORIBA]/ [U-52G]

Serial No./ Equipment No.: [AWE7D2V4]/ [N/A]

Date of Calibration: 03-December-2025

Ms. Lin Wai Yu, Iris

Assistant Manager - Inorganics

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# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



**WORK ORDER:** HK2556485  
**SUB-BATCH:** 0  
**DATE OF ISSUE:** 08-Jan-2026  
**CLIENT:** 3NV TECHNOLOGY LIMITED

Equipment Type: Multifunctional Meter  
Brand Name/ Model No.: [HORIBA]/ [U-52G]  
Serial No./ Equipment No.: [AWE7D2V4]/ [N/A]  
Date of Calibration: 03-December-2025 Date of Next Calibration: 03-March-2026

## PARAMETERS:

### Conductivity

Method Ref: APHA (23rd edition), 2510B


Expected Reading ( $\mu\text{S}/\text{cm}$ )	Displayed Reading ( $\mu\text{S}/\text{cm}$ )	Tolerance (%)
146.9	148	+0.7
6667	6340	-4.9
12890	12800	-0.7
58670	57200	-2.5
	Tolerance Limit (%)	$\pm 10.0$

### Dissolved Oxygen

Method Ref: APHA (23rd edition), 4500O: G

Expected Reading (mg/L)	Displayed Reading (mg/L)	Tolerance (mg/L)
2.60	2.61	+0.01
4.88	4.82	-0.06
7.56	7.51	-0.05
	Tolerance Limit (mg/L)	$\pm 0.20$

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

  
Ms. Lin Wai Yu, Iris  
Assistant Manager - Inorganics

# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



**WORK ORDER:** HK2556485  
**SUB-BATCH:** 0  
**DATE OF ISSUE:** 08-Jan-2026  
**CLIENT:** 3NV TECHNOLOGY LIMITED

Equipment Type: Multifunctional Meter  
Brand Name/ Model No.: [HORIBA]/ [U-52G]  
Serial No./ Equipment No.: [AWE7D2V4]/ [N/A]  
Date of Calibration: 03-December-2025 Date of Next Calibration: 03-March-2026

## PARAMETERS:

### Turbidity

Method Ref: APHA (23rd edition), 2130B

Expected Reading (NTU)	Displayed Reading (NTU)	Tolerance (%)
0	0.0	--
4	3.7	-7.5
40	37.2	-7.0
80	78.2	-2.3
400	404	+1.0
800	860	+7.5
	Tolerance Limit (%)	±10.0

### Salinity

Method Ref: APHA (23rd edition), 2520B

Expected Reading (ppt)	Displayed Reading (ppt)	Tolerance (%)
0	0.00	--
10	9.21	-7.9
20	18.40	-8.0
30	27.28	-9.1
	Tolerance Limit (%)	±10.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

  
Ms. Lin Wai Yu, Iris  
Assistant Manager - Inorganics

# REPORT OF EQUIPMENT PERFORMANCE CHECK/CALIBRATION



**WORK ORDER:** HK2556485  
**SUB-BATCH:** 0  
**DATE OF ISSUE:** 08-Jan-2026  
**CLIENT:** 3NV TECHNOLOGY LIMITED

Equipment Type: Multifunctional Meter  
Brand Name/ Model No.: [HORIBA]/ [U-52G]  
Serial No./ Equipment No.: [AWE7D2V4]/ [N/A]  
Date of Calibration: 03-December-2025 Date of Next Calibration: 03-March-2026

## PARAMETERS:

### Temperature

**Method Ref: Section 6 of International Accreditation New Zealand Technical Guide No. 3 Second edition March 2008: Working Thermometer Calibration Procedure.**

Expected Reading (°C)	Displayed Reading (°C)	Tolerance (°C)
13.0	14.86	+1.9
22.0	21.88	-0.1
39.0	38.13	-0.9
	Tolerance Limit (°C)	±2.0

Remark: "Displayed Reading" presents the figures shown on item under calibration / checking regardless of equipment precision or significant figures.

Ms. Lin Wai Yu, Iris  
Assistant Manager - Inorganics

## **Appendix E2**

### **Marine Water Quality Monitoring Schedule of the Reporting Month**

**January 2026**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				<b>1</b>	<b>2</b>	<b>3</b>
					10:30 - 12:30 (E) 15:30 - 17:30 (F)	
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
	08:00 - 10:00 (F) 13:00 - 15:00 (E)		09:00 - 11:00 (F) 14:30 - 16:30 (E)		10:30 - 12:30 (F) 15:45 - 17:45 (E)	
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>
	12:15 - 14:15 (F) 18:00 - 20:00 (E)		12:00 - 14:00 (F) 18:30 - 20:30 (E)		10:00 - 12:00 (E) 15:00 - 17:00 (F)	
<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>
	08:00 - 10:00 (F) 12:00 - 14:00 (E)		08:00 - 10:00 (F) 12:30 - 14:30 (E)		09:00 - 11:00 (F) 14:30 - 16:30 (E)	
<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>
	10:30 - 12:30 (F) 17:00 - 19:00 (E)		12:00 - 14:00 (F) 18:30 - 20:30 (E)*		14:30 - 18:30 (F) 20:00 - 22:00 (E)*	

(\* ) Due to the safety concern, the time period of marine water monitoring is adjusted.

## **Appendix E3**

### **Marine Water Quality Monitoring Results**

Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged			
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
2/1/2026	Mid-Flood	TKO-C1	Cloudy	17:19:50	19.6	Surface	1.0	1	19.7	1.5	7.67	101.2	31.7	3	8.14	1.3	2.7	
								2	19.8	1.4	7.62	100.7	31.9					
				17:20:37		Middle	9.8	1	19.9	1.2	8.58	113.9	32.3	2				
								2	19.9	1.2	8.69	115.3	32.3					
				17:21:25		Bottom	18.6	1	19.9	1.3	8.78	116.6	32.5	3				8.82
								2	19.8	1.3	8.85	117.5	32.4					
		TKO-C1a	Cloudy	16:52:42	20.9	Surface	1.0	1	19.8	1.5	8.12	107.6	32.2	3	8.33	1.4	3.2	
								2	19.8	1.6	7.96	105.6	32.3					
				16:53:22		Middle	10.5	1	19.9	1.3	8.60	114.3	32.5	4				
								2	19.9	1.4	8.65	115.0	32.5					
				16:53:59		Bottom	19.9	1	19.9	1.3	9.11	121.2	32.6	3				9.11
								2	19.9	1.3	9.11	121.2	32.6					
		TKO-M4a	Cloudy	16:33:33	19.8	Surface	1.0	1	19.8	1.5	8.59	113.2	31.3	3	8.55	1.5	2.7	
								2	19.8	1.6	8.50	112.4	31.8					
				16:34:10		Middle	9.9	1	19.9	1.5	8.52	113.2	32.4	2				
								2	19.9	1.6	8.59	114.2	32.4					
				16:34:45		Bottom	18.8	1	19.9	1.4	8.99	119.7	32.7	3				9.01
								2	19.9	1.4	9.03	120.3	32.7					
		TKO-M5	Cloudy	16:17:07	10.7	Surface	1.0	1	19.8	1.0	8.28	109.5	32.1	2	8.52	1.4	2.8	
								2	19.8	1.0	8.26	109.4	32.2					
				16:17:39		Middle	5.4	1	19.8	1.2	8.70	115.6	32.7	4				
								2	19.8	1.3	8.83	117.3	32.7					
				16:18:18		Bottom	9.7	1	19.8	2.0	9.05	120.3	32.7	3				9.06
								2	19.8	1.8	9.07	120.6	32.7					
TKO-M4	Cloudy	16:00:07	8.8	Surface	1.0	1	19.9	1.7	8.26	109.7	32.4	3	8.33	1.7	3.2			
						2	19.9	1.7	8.28	110.0	32.5							
		16:00:50		Middle	4.4	1	19.9	1.7	8.36	111.2	32.6	4						
						2	19.9	1.9	8.43	112.1	32.6							
		16:01:20		Bottom	7.8	1	19.9	1.5	8.69	115.6	32.6	3				8.74		
						2	19.9	1.5	8.78	116.8	32.7							

Remark(s):

(1) If the SS data smaller than reporting limit (2 mg/L), the data will be bold, Italics and 2 is displayed instead of <2.

(2) Exceedance result will be highlighted in red colour.

Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
2/1/2026	Mid-Ebb	TKO-C1	Cloudy	11:00:09	18.6	Surface	1.0	1	19.9	1.5	8.13	107.6	31.7	3	8.59	1.6	3.5
								2	19.9	1.7	8.09	107.1	31.7				
				11:00:56		Middle	9.3	1	19.9	1.1	8.95	118.6	31.9	4			
								2	19.9	1.2	9.20	121.8	31.8	3			
				11:03:22		Bottom	17.6	1	19.8	2.0	8.47	112.4	32.3	4			
								2	19.9	1.9	8.52	113.2	32.5	4			
		TKO-C1a	Cloudy	11:27:40	20.5	Surface	1.0	1	19.8	1.5	8.05	106.6	32.1	3	8.26	1.6	3.7
								2	19.8	1.4	8.06	106.8	32.1	4			
				11:28:10		Middle	10.3	1	19.8	1.4	8.30	110.1	32.3	2			
								2	19.8	1.6	8.63	114.5	32.3	5			
				11:28:36		Bottom	19.5	1	19.9	1.7	8.70	115.5	32.4	3			
								2	19.9	1.7	8.93	118.6	32.4	5			
		TKO-M4a	Cloudy	11:45:11	19.0	Surface	1.0	1	19.9	1.7	8.16	108.2	32.2	3	8.30	1.8	3.7
								2	19.9	1.7	8.14	108.0	32.2	4			
				11:45:42		Middle	9.5	1	19.9	1.9	8.39	111.3	32.2	3			
								2	19.9	1.9	8.49	112.6	32.2	4			
				11:46:32		Bottom	18.0	1	19.9	1.9	8.88	117.8	32.3	4			
								2	19.9	1.9	8.98	119.2	32.3	4			
		TKO-M5	Cloudy	12:03:10	10.4	Surface	1.0	1	19.7	2.0	8.06	106.2	31.4	3	8.27	1.7	3.3
								2	19.8	2.0	8.05	106.1	31.4	3			
				12:03:39		Middle	5.2	1	19.8	1.3	8.26	109.1	31.7	4			
								2	19.8	1.3	8.71	115.0	31.7	3			
				12:04:13		Bottom	9.4	1	19.7	1.7	9.16	121.0	32.0	4			
								2	19.8	1.7	9.22	121.9	31.9	3			
TKO-M4	Cloudy	12:24:25	8.4	Surface	1.0	1	19.8	1.1	7.86	104.6	32.8	7	8.24	1.2	6.7		
						2	19.8	1.1	7.87	104.7	32.8	5					
		12:24:57		Middle	4.2	1	19.7	1.2	8.54	113.1	32.4	4					
						2	19.7	1.0	8.69	115.1	32.4	16					
		12:25:24		Bottom	7.4	1	19.7	1.4	8.89	117.6	32.3	4					
						2	19.7	1.3	8.88	117.5	32.3	4					

Remark(s):

(1) If the SS data smaller than reporting limit (2 mg/L), the data will be bold, Italics and 2 is displayed instead of <2.

(2) Exceedance result will be highlighted in red colour.

Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
5/1/2026	Mid-Flood	TKO-C1	Cloudy	8:36:58	17.7	Surface	1.0	1	19.6	1.8	6.95	92.0	32.8	4	8.84	1.9	5.3
								2	19.6	1.9	6.98	92.4	32.8	6			
				8:38:11		Middle	8.9	1	19.7	1.8	10.73	142.8	33.2	6			
								2	19.7	1.8	10.70	142.4	33.2	5			
				8:39:06		Bottom	16.7	1	19.7	2.0	12.03	160.2	33.5	5			
								2	19.7	2.0	12.06	160.6	33.5	6			
		TKO-C1a	Cloudy	8:55:19	18.3	Surface	1.0	1	19.5	1.2	6.10	80.9	33.2	4	6.60	1.5	5.2
								2	19.6	1.1	6.23	82.7	33.2	4			
				8:56:01		Middle	9.2	1	19.6	1.5	6.99	93.0	33.5	6			
								2	19.6	1.4	7.06	93.9	33.5	6			
				8:56:39		Bottom	17.3	1	19.5	1.7	7.19	95.6	33.6	5			
								2	19.5	1.8	7.20	95.7	33.6	6			
		TKO-M4a	Cloudy	9:08:22	18.1	Surface	1.0	1	19.5	1.3	6.49	86.2	33.6	4	6.68	1.7	4.8
								2	19.5	1.3	6.47	86.0	33.7	5			
				9:08:59		Middle	9.1	1	19.6	1.9	6.85	91.2	33.9	5			
								2	19.6	1.9	6.91	92.1	33.9	6			
				9:09:38		Bottom	17.1	1	19.6	2.0	7.31	97.5	33.9	4			
								2	19.6	2.0	7.29	97.2	33.9	5			
		TKO-M5	Cloudy	9:22:56	10.9	Surface	1.0	1	19.3	1.4	6.68	88.2	33.1	8	6.76	1.5	9.7
								2	19.4	1.4	6.67	88.1	33.2	8			
				9:23:42		Middle	5.5	1	19.5	1.4	6.79	90.1	33.6	10			
								2	19.5	1.4	6.89	91.5	33.6	9			
				9:24:24		Bottom	9.9	1	19.5	1.8	7.12	94.6	33.7	12			
								2	19.5	1.8	7.14	94.9	33.7	11			
TKO-M4	Cloudy	9:36:02	9.5	Surface	1.0	1	19.7	1.3	6.05	80.5	33.3	3	6.32	1.3	4.7		
						2	19.7	1.3	6.07	80.8	33.4	4					
		9:36:43		Middle	4.8	1	19.6	1.0	6.56	87.3	33.5	5					
						2	19.6	1.0	6.58	87.6	33.5	4					
		9:37:17		Bottom	8.5	1	19.6	1.5	6.58	87.6	33.6	6					
						2	19.6	1.5	6.48	86.3	33.6	6					

Remark(s):

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
5/1/2026	Mid-Ebb	TKO-C1	Cloudy	13:33:22	19.1	Surface	1.0	1	20.5	1.3	8.03	108.0	32.7	3	8.20	1.5	4.3
								2	20.5	1.2	8.19	110.2	32.8				
				13:33:59		Middle	9.6	1	20.0	1.1	8.55	114.4	33.3	5			
								2	19.9	1.2	8.01	107.1	33.3	5			
				13:34:39		Bottom	18.1	1	19.9	2.0	7.04	94.1	33.5	4			
								2	19.8	1.9	7.00	93.5	33.5	6			
		TKO-C1a	Cloudy	13:47:08	18.6	Surface	1.0	1	20.2	2.0	7.26	97.5	33.2	4	7.59	1.6	3.8
								2	20.2	1.8	6.95	93.4	33.2	3			
				13:47:57		Middle	9.3	1	19.9	1.2	8.09	108.4	33.7	5			
								2	19.9	1.2	8.04	107.7	33.7	3			
				13:48:23		Bottom	17.6	1	19.9	1.7	7.72	103.3	33.7	5			
								2	19.8	1.6	7.74	103.6	33.7	3			
		TKO-M4a	Cloudy	14:01:04	18.7	Surface	1.0	1	20.3	1.4	6.86	92.4	33.5	3	6.98	1.4	4.7
								2	20.2	1.4	6.88	92.6	33.7	4			
				14:01:54		Middle	9.4	1	19.7	1.9	7.09	94.8	33.9	5			
								2	19.7	1.8	7.09	94.8	33.9	5			
				14:02:26		Bottom	17.7	1	19.7	1.0	6.97	93.1	33.9	5			
								2	19.7	1.1	7.05	94.2	33.9	6			
		TKO-M5	Cloudy	14:14:44	10.6	Surface	1.0	1	20.3	1.8	8.11	109.0	33.2	3	8.30	1.5	5.5
								2	20.3	1.7	8.15	109.6	33.4	5			
				14:15:21		Middle	5.3	1	19.8	1.3	8.42	112.6	33.8	6			
								2	19.8	1.2	8.53	114.0	33.8	6			
				14:15:57		Bottom	9.6	1	19.7	1.3	8.58	114.5	33.8	7			
								2	19.7	1.4	8.38	111.8	33.8	6			
TKO-M4	Cloudy	14:26:34	9.6	Surface	1.0	1	20.5	1.3	6.52	87.9	32.9	3	6.75	1.4	4.7		
						2	20.4	1.3	6.58	88.8	33.3	4					
		14:27:17		Middle	4.8	1	19.9	1.8	6.96	93.3	33.9	5					
						2	19.9	1.9	6.92	92.7	33.9	4					
		14:27:52		Bottom	8.6	1	19.7	1.1	7.24	96.7	33.9	6					
						2	19.7	1.2	7.07	94.4	33.9	6					

Remark(s):

(1) If the SS data smaller than reporting limit (2 mg/L), the data will be bold, Italics and 2 is displayed instead of <2.

(2) Exceedance result will be highlighted in red colour.

Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
7/1/2026	Mid-Flood	TKO-C1	Sunny	9:23:57	19.4	Surface	1.0	1	19.0	2.4	7.42	97.1	32.5	4	7.99	2.7	5.3
								2	19.1	2.3	7.48	97.9	32.5	6			
				9:26:28		Middle	9.7	1	19.1	2.3	8.48	111.1	32.6	8			
								2	19.1	2.3	8.56	112.1	32.6	4			
				9:30:09		Bottom	18.4	1	19.0	3.2	8.78	115.0	32.9	5			
								2	18.9	3.5	8.76	114.6	32.9	5			
		TKO-C1a	Sunny	9:41:43	18.4	Surface	1.0	1	18.5	3.6	9.65	124.5	31.8	5	9.09	3.7	5.5
								2	18.8	3.7	9.24	120.0	32.1	5			
				9:45:24		Middle	9.2	1	18.9	3.6	8.53	111.1	32.1	5			
								2	18.8	3.7	8.93	116.2	32.1	6			
				9:47:33		Bottom	17.4	1	18.7	3.8	9.57	124.6	32.7	7			
								2	18.8	3.7	9.52	124.1	32.6	5			
		TKO-M4a	Sunny	10:04:40	18.2	Surface	1.0	1	19.1	2.4	7.78	101.7	32.1	4	8.13	2.3	5.2
								2	19.1	2.4	7.68	100.3	32.0	6			
				10:03:41		Middle	9.1	1	19.1	2.1	8.55	111.8	32.3	6			
								2	19.1	2.1	8.52	111.4	32.3	5			
				10:02:39		Bottom	17.2	1	18.8	2.4	8.44	109.9	32.5	4			
								2	18.8	2.1	8.66	112.9	32.5	6			
		TKO-M5	Sunny	10:23:03	11.4	Surface	1.0	1	18.8	2.9	8.09	105.2	32.3	6	8.55	2.8	5.3
								2	18.8	2.9	7.69	100.0	32.3	4			
				10:22:22		Middle	5.7	1	18.6	2.8	9.32	120.9	32.4	5			
								2	18.6	2.7	9.10	118.1	32.5	5			
				10:21:41		Bottom	10.4	1	18.5	2.6	9.15	118.4	32.5	7			
								2	18.5	2.6	9.40	121.7	32.5	5			
TKO-M4	Sunny	10:43:37	8.4	Surface	1.0	1	18.9	2.9	7.94	103.4	32.2	5	8.17	3.3	4.3		
						2	18.9	3.1	7.91	103.0	32.1	4					
		10:42:11		Middle	4.2	1	18.9	3.3	8.34	108.6	32.3	5					
						2	18.9	3.5	8.50	110.7	32.3	4					
		10:40:20		Bottom	7.4	1	18.7	3.4	7.95	103.2	32.3	4					
						2	18.7	3.4	8.22	106.7	32.2	4					

Remark(s):

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
7/1/2026	Mid-Ebb	TKO-C1	Sunny	14:28:41	19.1	Surface	1.0	1	19.3	2.3	7.67	100.7	32.2	4	8.93	2.3	4.7
								2	19.3	2.2	7.60	99.8	32.2	3			
				14:35:23		Middle	9.6	1	19.1	2.5	10.27	134.2	32.1	3			
								2	19.1	2.5	10.19	133.2	32.1	5			
				14:36:33		Bottom	18.1	1	19.0	2.2	10.19	133.2	32.3	6			
								2	19.0	2.1	10.16	132.8	32.3	7			
		TKO-C1a	Sunny	14:55:33	18.2	Surface	1.0	1	19.1	2.4	8.06	105.4	32.0	2	8.87	2.2	2.2
								2	19.1	2.5	7.83	102.4	32.0	3			
				14:52:35		Middle	9.1	1	19.2	1.8	9.83	128.6	32.1	2			
								2	19.2	1.7	9.74	127.5	32.1	2			
				14:54:40		Bottom	17.2	1	19.1	2.3	9.34	122.3	32.4	2			
								2	19.1	2.4	9.53	124.7	32.4	2			
		TKO-M4a	Sunny	15:08:28	18.0	Surface	1.0	1	19.2	2.4	8.08	105.8	32.2	2	8.78	2.0	2.3
								2	19.2	2.1	7.90	103.4	32.2	2			
				15:07:32		Middle	9.0	1	19.1	1.9	9.62	125.9	32.2	2			
								2	19.1	1.9	9.52	124.6	32.2	2			
				15:06:51		Bottom	17.0	1	19.0	1.9	10.10	132.0	32.3	2			
								2	19.1	2.0	9.96	130.2	32.3	4			
		TKO-M5	Sunny	15:30:31	11.1	Surface	1.0	1	19.1	1.6	7.77	101.8	32.4	4	8.60	2.3	3.8
								2	19.1	1.6	7.77	101.8	32.4	4			
				15:29:39		Middle	5.6	1	19.1	2.4	9.64	126.1	32.2	3			
								2	19.1	2.3	9.21	120.5	32.2	4			
				15:28:56		Bottom	10.1	1	19.0	3.0	10.72	140.1	32.3	4			
								2	19.0	3.0	10.81	141.2	32.3	4			
TKO-M4	Sunny	15:47:59	8.2	Surface	1.0	1	19.0	2.6	7.93	103.0	31.4	4	8.37	2.6	4.2		
						2	19.0	2.7	7.83	102.0	31.9	3					
		15:48:54		Middle	4.1	1	18.9	2.4	8.80	114.7	32.3	4					
						2	18.9	2.5	8.92	116.3	32.3	6					
		15:49:42		Bottom	7.2	1	18.8	2.8	9.66	125.9	32.4	4					
						2	18.8	2.8	9.65	125.7	32.4	4					

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
9/1/2026	Mid-Flood	TKO-C1	Sunny	10:47:53	20.7	Surface	1.0	1	18.5	2.5	9.65	124.3	31.7	4	9.18	2.8	4.3
								2	18.5	2.6	9.46	122.0	31.7	4			
				10:49:05		Middle	10.4	1	18.7	2.8	8.79	113.8	31.9	4			
								2	18.7	2.9	8.83	114.4	31.9	3			
				10:49:51		Bottom	19.7	1	18.6	3.1	8.91	115.5	32.0	6			
								2	18.7	3.1	9.02	116.9	32.0	5			
		TKO-C1a	Sunny	11:05:25	19.3	Surface	1.0	1	18.2	2.5	7.26	92.8	31.1	3	7.61	2.5	3.8
								2	18.3	2.5	7.25	93.0	31.3	4			
				11:06:00		Middle	9.7	1	18.6	2.6	7.82	101.1	31.9	3			
								2	18.6	2.5	8.09	104.7	31.9	5			
				11:07:23		Bottom	18.3	1	18.6	2.2	9.50	123.2	32.3	3			
								2	18.6	2.5	9.41	122.0	32.2	5			
		TKO-M4a	Sunny	11:16:03	19.0	Surface	1.0	1	17.9	3.4	7.36	93.7	30.5	6	8.60	3.5	4.3
								2	18.4	3.5	7.88	101.2	31.1	4			
				11:17:04		Middle	9.5	1	18.6	3.6	9.92	128.7	32.5	3			
								2	18.6	3.6	9.22	119.5	32.5	4			
				11:17:41		Bottom	18.0	1	18.5	3.4	8.65	112.1	32.5	5			
								2	18.5	3.5	8.73	113.1	32.5	4			
		TKO-M5	Sunny	11:27:21	11.9	Surface	1.0	1	18.4	3.6	8.79	113.3	31.9	4	8.74	3.6	4.5
								2	18.5	3.5	8.51	110.1	32.2	4			
				11:28:02		Middle	6.0	1	18.5	3.4	8.76	113.5	32.6	5			
								2	18.5	3.6	8.88	115.1	32.6	4			
				11:28:40		Bottom	10.9	1	18.5	3.6	9.39	121.6	32.7	5			
								2	18.5	3.7	9.41	121.9	32.6	5			
TKO-M4	Sunny	11:40:33	8.5	Surface	1.0	1	18.5	2.8	8.66	111.9	31.8	3	8.39	3.2	4.2		
						2	18.6	2.8	8.17	105.7	31.8	3					
		11:41:13		Middle	4.3	1	18.6	3.5	8.29	107.6	32.6	4					
						2	18.6	3.4	8.44	109.5	32.6	4					
		11:41:47		Bottom	7.5	1	18.5	3.3	9.14	118.6	32.7	4					
						2	18.5	3.3	9.17	118.6	33.3	7					

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged								
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
9/1/2026	Mid-Ebb	TKO-C1	Sunny	16:07:08	19.2	Surface	1.0	1	18.6	2.4	8.78	113.8	32.4	4	9.04	2.3	4.5						
				16:05:58		Middle		9.6	2	18.6	2.1	8.83	114.4	32.3				3					
				16:04:56			Bottom		18.2	1	18.7	2.4	9.40	122.4				32.7	3				
						2		18.7		2.1	9.13	118.8	32.7	2									
				TKO-C1a		Sunny	16:24:15	19.3	Surface	1.0	1	18.9	1.7	7.89				102.9	32.4	2	8.62	2.6	2.8
							16:23:00		Middle		9.7	2	18.8	1.6				7.81	101.8	32.5			
		16:21:54	Bottom		18.3		1			18.8		2.6	9.37	122.0	32.4	2							
							2		18.7	3.6	9.63	125.2	32.5	3									
		TKO-M4a	Sunny		16:39:31		18.9		Surface	1.0	1	18.7	3.4	9.61	124.9	32.5	4	9.09	3.1	3.7			
					16:38:39				Middle		9.5	2	18.9	3.1	7.72	100.6	32.4						
				16:37:48	Bottom	17.9		1		18.6		2.5	10.23	133.0	32.5	2							
								2	18.7	3.4	12.34	160.3	32.6	5									
				TKO-M5	Sunny	16:53:27		10.9	Surface	1.0	1	18.7	3.4	12.19	158.4	32.6	5				8.19	3.0	3.5
						16:52:38			Middle		5.5	2	18.8	2.9	7.66	100.0	32.7						
		16:51:59	Bottom			9.9	1			18.8		3.0	8.69	113.5	32.8	4							
							2		18.8	3.0	8.61	112.5	32.8	4									
		TKO-M4	Sunny			17:12:15	9.2		Surface	1.0	1	18.7	3.0	8.61	112.3	32.9	3	8.14	2.6	2.8			
						17:11:08			Middle		4.6	2	18.7	3.0	8.57	111.8	32.9						
				17:09:35	Bottom	8.2		1		18.6		3.1	8.59	111.7	32.8	4							
								2	18.6	3.2	8.52	110.8	32.8	3									

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
12/1/2026	Mid-Flood	TKO-C1	Sunny	12:56:29	19.2	Surface	1.0	1	18.7	1.8	9.41	122.4	32.7	<b>2</b>	9.30	1.8	2.0
								2	18.7	1.8	9.40	122.3	32.7	<b>2</b>			
				12:57:43		Middle	9.6	1	18.6	1.7	9.17	119.2	32.7	<b>2</b>			
								2	18.6	1.9	9.20	119.6	32.7	<b>2</b>			
				12:58:36		Bottom	18.2	1	18.7	1.9	8.32	108.3	32.6	<b>2</b>			
								2	18.7	1.9	8.30	108.0	32.6	<b>2</b>			
		TKO-C1a	Sunny	13:09:09	19.3	Surface	1.0	1	18.7	2.1	8.18	106.3	32.6	<b>2</b>	8.54	2.5	2.0
								2	18.7	2.0	8.07	104.9	32.6	<b>2</b>			
				13:08:22		Middle	9.7	1	18.6	2.4	8.92	116.0	32.7	<b>2</b>			
								2	18.6	2.3	8.99	116.9	32.6	<b>2</b>			
				13:06:57		Bottom	18.3	1	18.5	3.1	9.31	120.6	32.7	<b>2</b>			
								2	18.5	3.2	9.32	120.7	32.7	<b>2</b>			
		TKO-M4a	Sunny	13:18:32	19.1	Surface	1.0	1	18.6	2.6	8.66	112.3	32.4	<b>3</b>	8.97	2.5	3.3
								2	18.6	2.4	8.77	113.7	32.5	<b>3</b>			
				13:17:52		Middle	9.6	1	18.5	2.3	9.32	120.6	32.4	<b>4</b>			
								2	18.5	2.4	9.14	118.4	32.5	<b>4</b>			
				13:17:03		Bottom	18.1	1	18.5	2.8	9.12	118.2	32.5	<b>3</b>			
								2	18.5	2.7	9.14	118.4	32.5	<b>3</b>			
		TKO-M5	Sunny	13:28:01	9.4	Surface	1.0	1	18.5	2.9	8.13	105.4	32.6	<b>3</b>	8.61	3.2	3.3
								2	18.5	2.8	8.07	104.7	32.6	<b>3</b>			
				13:27:18		Middle	4.7	1	18.5	3.3	9.16	118.7	32.6	<b>4</b>			
								2	18.5	3.1	9.09	117.8	32.6	<b>4</b>			
				13:25:57		Bottom	8.4	1	18.4	3.4	8.83	114.3	32.6	<b>3</b>			
								2	18.4	3.5	9.02	116.8	32.6	<b>3</b>			
TKO-M4	Sunny	12:45:20	11.1	Surface	1.0	1	18.5	2.1	8.58	111.3	32.5	<b>2</b>	8.96	2.8	2.3		
						2	18.5	2.1	8.52	110.4	32.5	<b>2</b>					
		12:44:29		Middle	5.6	1	18.5	2.8	9.42	121.9	32.5	<b>2</b>					
						2	18.5	2.9	9.32	120.7	32.6	<b>2</b>					
		12:42:51		Bottom	10.1	1	18.4	3.4	10.01	129.5	32.6	<b>3</b>					
						2	18.4	3.6	9.75	126.1	32.6	<b>3</b>					

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															DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
12/1/2026	Mid-Ebb	TKO-C1	Fine	18:55:14	19.4	Surface	1.0	1	18.7	2.1	9.07	117.9	32.3	<b>2</b>	9.49	1.9	2.0						
				18:54:30		Middle	9.7	2	18.8	2.1	8.73	113.5	32.3	<b>2</b>									
				18:53:23		Bottom	18.4	1	18.8	1.5	11.39	148.2	32.5	<b>2</b>									
								2	18.8	1.6	11.00	143.1	32.5	<b>2</b>									
				TKO-C1a		Fine	19:08:43	19.5	Surface	1.0	1	18.8	2.3	8.02				104.5	32.6	<b>2</b>	8.58	2.9	2.0
							19:07:35		Middle	9.8	2	18.7	3.3	9.19				119.5	32.5	<b>2</b>			
		19:06:34	Bottom		18.5		1		18.7	3.2	8.88	115.5	32.6	<b>2</b>									
							2		18.7	3.0	9.05	117.7	32.6	<b>2</b>									
		TKO-M4a	Fine		19:17:41		19.2		Surface	1.0	1	18.8	1.5	9.38	122.3	32.7	<b>2</b>	11.80	2.1	2.0			
					19:16:52				Middle	9.6	2	18.8	2.2	14.76	192.3	32.5	<b>2</b>						
				19:16:09	Bottom	18.2		1	18.8	2.0	14.04	182.9	32.5	<b>2</b>									
								2	18.8	2.5	16.47	214.5	32.6	<b>2</b>									
				TKO-M5	Fine	19:29:16		11.5	Surface	1.0	1	18.8	1.6	9.03	117.7	32.7	<b>2</b>				8.38	3.0	2.0
						19:28:26			Middle	5.8	2	18.7	2.4	7.91	103.0	32.7	<b>2</b>						
		19:27:43	Bottom			10.5	1		18.7	3.1	8.88	115.5	32.7	<b>2</b>									
							2		18.7	3.1	8.82	114.8	32.7	<b>2</b>									
		TKO-M4	Fine			19:41:28	9.4		Surface	1.0	1	18.6	3.6	8.91	115.8	32.7	<b>2</b>	8.50	2.2	2.5			
						19:40:41			Middle	4.7	2	18.6	1.8	8.07	104.8	32.7	<b>2</b>						
				19:39:31	Bottom	8.4		1	18.5	1.7	7.95	103.3	32.7	<b>2</b>									
								2	18.5	1.7	8.96	116.3	32.7	<b>3</b>									
				19:39:31	Bottom	8.4		1	18.5	3.0	8.91	115.4	32.6	<b>3</b>									
								2	18.5	3.0	8.81	114.2	32.7	<b>3</b>									

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															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
14/1/2026	Mid-Flood	TKO-C1	Sunny	13:38:03	20.1	Surface	1.0	1	18.9	1.2	7.88	102.9	32.5	<b>2</b>	8.62	1.4	2.7
							2	18.9	1.2	7.89	103.0	32.6	<b>2</b>				
				13:36:52		Middle	10.1	1	18.7	1.2	9.38	121.9	32.5	<b>2</b>			
							2	18.7	1.3	9.33	121.3	32.5	<b>2</b>				
				13:35:43		Bottom	19.1	1	18.7	1.7	9.16	119.3	32.5	<b>4</b>			
							2	18.7	1.6	9.20	119.8	32.6	<b>4</b>				
		TKO-C1a	Sunny	13:20:51	Surface	1.0	18.9	1	18.9	1.8	8.70	113.8	32.7	<b>2</b>	8.95	2.3	2.3
						2		18.9	1.6	8.09	105.8	32.7	<b>2</b>				
				13:20:09	Middle	9.5		1	18.8	1.7	9.55	124.6	32.8	<b>2</b>			
						2		18.8	1.8	9.47	123.6	32.8	<b>2</b>				
				13:19:31	Bottom	17.9		1	18.7	3.6	9.30	121.2	32.8	<b>3</b>			
						2		18.7	3.5	9.25	120.6	32.8	<b>3</b>				
		TKO-M4a	Sunny	13:13:58	Surface	1.0	19.0	1	18.9	1.9	8.49	111.1	32.7	<b>2</b>	8.85	2.3	2.0
						2		19.0	2.0	8.06	105.4	32.7	<b>2</b>				
				13:13:10	Middle	9.5		1	18.7	2.0	9.42	122.6	32.7	<b>2</b>			
						2		18.7	1.9	9.43	122.9	32.7	<b>2</b>				
				13:12:13	Bottom	18.0		1	18.8	3.1	9.06	118.1	32.7	<b>2</b>			
						2		18.8	3.0	8.88	115.8	32.7	<b>2</b>				
		TKO-M5	Sunny	13:01:09	Surface	1.0	10.5	1	18.9	2.3	8.63	112.7	32.7	<b>2</b>	8.75	2.4	2.0
						2		18.9	2.4	8.19	107.0	32.8	<b>2</b>				
				13:00:37	Middle	5.3		1	18.8	2.4	9.08	118.4	32.7	<b>2</b>			
						2		18.8	2.4	9.08	118.4	32.7	<b>2</b>				
				13:01:59	Bottom	9.5		1	18.7	2.4	9.30	121.0	32.4	<b>2</b>			
						2		18.7	2.5	9.71	126.3	32.4	<b>2</b>				
TKO-M4	Sunny	12:51:43	Surface	1.0	8.3	1	18.8	3.1	8.66	112.8	32.6	<b>2</b>	8.80	3.0	4.0		
				2		18.8	3.0	8.40	109.4	32.6	<b>2</b>						
		12:51:11	Middle	4.2		1	18.7	2.7	9.11	118.5	32.6	<b>5</b>					
				2		18.7	3.0	9.02	117.4	32.6	<b>6</b>						
		12:50:09	Bottom	7.3		1	18.8	3.0	9.19	119.7	32.5	<b>4</b>					
				2		18.8	3.2	9.11	118.7	32.6	<b>5</b>						

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
14/1/2026	Mid-Ebb	TKO-C1	Fine	21:50:23	19.0	Surface	1.0	1	18.9	1.1	8.48	110.6	32.6	<b>2</b>	8.63	1.1	2.0
				21:49:41		Middle	9.5	2	18.9	1.2	8.31	108.4	32.6	<b>2</b>			
				21:48:37		Bottom	18.0	1	18.9	1.4	8.78	114.7	32.7	<b>2</b>			
								2	18.9	1.4	8.96	117.1	32.7	<b>2</b>			
								1	18.9	0.6	9.30	121.4	32.6	<b>2</b>			
								2	18.9	0.7	9.26	120.9	32.6	<b>2</b>			
		TKO-C1a	Fine	22:06:15	20.0	Surface	1.0	1	18.8	1.7	8.55	111.2	32.5	<b>2</b>	8.88	2.2	20.3
				22:05:29		Middle	10.0	2	18.8	1.6	8.20	106.7	32.5	<b>2</b>			
				22:04:47		Bottom	19.0	1	18.8	1.2	9.42	122.8	32.7	<b>2</b>			
								2	18.8	1.1	9.34	121.8	32.7	<b>2</b>			
								1	18.8	3.6	8.76	114.3	32.7	54			
								2	18.8	3.7	8.87	115.7	32.7	60			
		TKO-M4a	Fine	22:21:09	18.9	Surface	1.0	1	18.7	1.3	7.89	102.8	32.8	22	8.45	1.9	6.8
				22:20:25		Middle	9.5	2	18.7	1.3	7.82	101.9	32.8	7			
				22:19:50		Bottom	17.9	1	18.8	1.8	9.10	118.8	32.9	3			
								2	18.8	1.9	8.97	117.1	32.9	3			
								1	18.7	2.6	8.34	108.8	32.9	3			
								2	18.8	2.5	8.52	111.2	32.9	3			
		TKO-M5	Fine	22:35:56	12.4	Surface	1.0	1	18.7	1.0	7.99	104.1	32.7	<b>2</b>	8.53	1.1	2.0
				22:35:18		Middle	6.2	2	18.7	1.0	8.25	107.5	32.7	<b>2</b>			
				22:34:43		Bottom	11.4	1	18.7	1.1	9.04	117.8	32.9	<b>2</b>			
								2	18.7	1.1	8.84	115.3	32.9	<b>2</b>			
								1	18.7	1.1	8.15	106.2	32.9	<b>2</b>			
								2	18.7	1.2	8.32	108.5	32.9	<b>2</b>			
TKO-M4	Fine	22:48:56	9.5	Surface	1.0	1	18.8	1.2	8.15	105.7	31.8	<b>2</b>	8.33	1.3	2.0		
		22:48:01		Middle	4.8	2	18.8	1.3	7.84	102.3	32.9	<b>2</b>					
		22:47:26		Bottom	8.5	1	18.8	1.3	8.74	114.0	32.7	<b>2</b>					
						2	18.8	1.3	8.59	112.1	32.7	<b>2</b>					
						1	18.7	1.2	8.26	107.6	32.8	<b>2</b>					
						2	18.7	1.2	8.33	108.5	32.8	<b>2</b>					

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
16/1/2026	Mid-Flood	TKO-C1	Sunny	15:23:02	20.3	Surface	1.0	1	19.3	0.9	8.97	117.9	32.5	<b>2</b>	9.17	1.6	2.0
								2	19.3	0.9	8.50	111.8	32.5	<b>2</b>			
				15:21:50		Middle	10.2	1	19.0	1.2	9.60	125.6	32.6	<b>2</b>			
								2	19.0	1.2	9.62	125.9	32.5	<b>2</b>			
				15:21:18		Bottom	19.3	1	19.0	2.6	9.28	121.4	32.6	<b>2</b>			
								2	19.0	2.6	9.27	121.2	32.6	<b>2</b>			
		TKO-C1a	Sunny	15:39:53	19.4	Surface	1.0	1	19.2	0.7	8.27	108.7	32.6	<b>2</b>	9.34	1.6	2.0
								2	19.1	0.7	8.30	108.8	32.6	<b>2</b>			
				15:39:00		Middle	9.7	1	19.0	1.0	10.56	138.0	32.6	<b>2</b>			
								2	19.0	1.1	10.23	133.8	32.6	<b>2</b>			
				15:38:14		Bottom	18.4	1	19.1	3.0	11.59	151.9	32.6	<b>2</b>			
								2	19.1	3.0	11.53	151.1	32.6	<b>2</b>			
		TKO-M4a	Sunny	15:54:39	19.5	Surface	1.0	1	19.5	1.1	8.38	110.7	32.7	<b>3</b>	8.88	1.6	2.3
								2	19.4	1.1	8.39	110.7	32.7	<b>3</b>			
				15:53:43		Middle	9.8	1	19.0	1.1	9.37	122.7	32.8	<b>2</b>			
								2	19.0	1.0	9.38	122.8	32.8	<b>2</b>			
				15:52:32		Bottom	18.5	1	19.1	2.5	9.86	129.3	32.6	<b>2</b>			
								2	19.1	2.5	9.60	125.8	32.6	<b>2</b>			
		TKO-M5	Sunny	16:09:06	11.7	Surface	1.0	1	19.5	1.2	8.74	115.6	32.7	<b>2</b>	8.90	1.8	2.8
								2	19.6	1.1	8.32	110.2	32.7	<b>2</b>			
				16:08:29		Middle	5.9	1	19.2	1.6	9.35	123.0	32.8	<b>2</b>			
								2	19.2	1.5	9.20	121.0	32.8	<b>2</b>			
				16:07:22		Bottom	10.7	1	19.1	2.7	9.42	123.6	32.7	<b>5</b>			
								2	19.1	2.6	9.30	122.0	32.8	<b>4</b>			
TKO-M4	Sunny	16:21:28	10.4	Surface	1.0	1	19.3	2.4	8.40	110.6	32.7	<b>3</b>	8.72	2.6	2.3		
						2	19.3	2.2	8.26	108.8	32.7	<b>3</b>					
		16:20:54		Middle	5.2	1	19.1	2.6	9.05	118.7	32.8	<b>2</b>					
						2	19.1	2.5	9.18	120.5	32.8	<b>2</b>					
		16:20:14		Bottom	9.4	1	19.1	3.1	9.20	120.6	32.7	<b>2</b>					
						2	19.0	3.0	8.65	113.3	32.7	<b>2</b>					

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged								
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
16/1/2026	Mid-Ebb	TKO-C1	Fine	22:39:59	20.2	Surface	1.0	1	19.0	2.0	9.36	122.4	32.6	3	9.75	2.0	3.7						
				22:39:16		Middle		10.1	2	19.0	1.9	8.72	114.1	32.6				4					
				22:38:37			Bottom		19.2	1	19.0	2.1	10.63	139.2				32.6	5				
						2		19.0		2.1	10.30	134.9	32.6	4									
				TKO-C1a		Fine	22:56:30	19.3	Surface	1.0	1	19.1	3.5	8.93				116.9	32.5	<b>2</b>	9.17	3.4	2.0
							22:55:42		Middle		9.7	2	19.0	3.6				8.37	109.5	32.5			
		22:53:21	Bottom		18.3		1			19.1		3.8	9.70	127.2	32.7	<b>2</b>							
							2		19.1	3.7	9.69	127.1	32.7	<b>2</b>									
		TKO-M4a	Fine		23:08:14		19.0		Surface	1.0	1	18.9	3.0	9.10	119.0	32.6	<b>2</b>	9.04	3.2	2.5			
					23:07:24				Middle		9.5	2	18.9	3.0	8.97	117.2	32.7						
				23:06:06	Bottom	18.0		1		19.0		2.9	8.86	116.0	32.6	<b>2</b>							
								2	19.0	3.0	8.21	107.4	32.6	<b>2</b>									
		TKO-M5	Fine	23:22:09	11.5	Surface	1.0	1	19.0	3.7	9.54	124.9	32.8	3	8.50	3.3	2.0						
				23:21:00		Middle		5.8	2	19.0	3.8	9.43	123.5	32.8				2					
				23:19:57			Bottom		10.5	1	18.9	2.9	9.37	122.5				32.8	3				
						2		18.9		3.0	9.09	118.8	32.8	3									
				TKO-M4		Fine	23:35:29	9.9	Surface	1.0	1	19.0	2.8	8.43				110.2	32.6	<b>2</b>	8.41	2.3	2.3
							23:34:55		Middle		5.0	2	19.1	2.0				8.37	109.9	32.8			
		23:33:53	Bottom		8.9		1			19.1		2.5	8.59	112.7	32.9	<b>2</b>							
							2		19.1	2.5	8.58	112.7	32.9	<b>2</b>									
		2	19.0		2.3		8.44		110.5	32.8	3												
		2	19.0		2.2		8.38		109.7	32.8	3												

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															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
19/1/2026	Mid-Flood	TKO-C1	Sunny	8:17:41	19.0	Surface	1.0	1	19.1	3.5	9.24	120.9	32.1	3	9.47	3.7	4.7
								2	19.1	3.5	9.24	120.9	32.1	4			
				8:18:59		Middle	9.5	1	19.2	3.7	9.67	127.1	32.7	4			
								2	19.2	3.6	9.71	127.6	32.7	5			
				8:21:21		Bottom	18.0	1	19.2	3.8	9.91	130.4	32.9	6			
								2	19.2	3.9	9.74	128.2	32.9	6			
		TKO-C1a	Sunny	8:28:08	18.6	Surface	1.0	1	19.1	3.3	7.94	103.5	31.2	3	8.76	3.5	4.7
								2	19.1	3.4	8.12	106.1	31.9	4			
				8:29:02		Middle	9.3	1	19.2	3.5	9.53	125.4	32.7	5			
								2	19.2	3.6	9.43	124.0	32.7	6			
				8:30:10		Bottom	17.6	1	19.2	3.5	9.55	125.7	32.7	5			
								2	19.2	3.7	9.63	126.7	32.8	5			
		TKO-M4a	Sunny	8:41:38	18.3	Surface	1.0	1	19.2	3.6	8.29	108.8	32.6	3	8.85	3.7	3.7
								2	19.2	3.7	8.26	108.5	32.6	4			
				8:43:10		Middle	9.2	1	19.2	3.8	9.45	124.4	32.8	4			
								2	19.2	3.6	9.39	123.5	32.8	4			
				8:45:53		Bottom	17.3	1	19.2	3.6	10.38	136.5	32.8	3			
								2	19.2	3.7	10.19	134.0	32.8	4			
		TKO-M5	Sunny	9:01:30	11.3	Surface	1.0	1	19.3	3.4	7.82	102.4	31.7	3	8.36	3.5	3.8
								2	19.3	3.3	7.92	104.2	32.2	4			
				9:02:26		Middle	5.7	1	19.4	3.4	8.84	116.6	32.9	4			
								2	19.4	3.8	8.84	116.6	32.9	4			
				9:03:30		Bottom	10.3	1	19.3	3.4	9.28	122.4	32.9	4			
								2	19.3	3.5	9.28	122.5	32.9	4			
TKO-M4	Sunny	9:15:27	9.0	Surface	1.0	1	19.2	3.6	7.81	102.3	32.1	3	8.31	3.6	3.0		
						2	19.2	3.7	7.89	103.4	32.3	4					
		9:17:21		Middle	4.5	1	19.2	3.4	8.79	115.4	32.7	2					
						2	19.2	3.3	8.74	114.8	32.7	3					
		9:18:46		Bottom	8.0	1	19.2	3.8	9.23	121.4	32.8	3					
						2	19.2	3.8	9.32	122.5	32.8	3					

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															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
19/1/2026	Mid-Ebb	TKO-C1	Sunny	12:10:09	18.6	Surface	1.0	1	19.7	3.2	9.98	132.0	32.3	3	9.76	3.0	3.0
								2	19.6	3.3	9.90	130.8	32.4	3			
				12:13:21		Middle	9.3	1	19.3	2.3	9.60	126.3	32.7	2			
								2	19.3	2.4	9.54	125.5	32.7	3			
				12:15:20		Bottom	17.6	1	19.3	3.3	9.68	127.6	32.7	4			
								2	19.3	3.4	9.50	125.2	32.7	3			
		TKO-C1a	Sunny	12:27:40	18.9	Surface	1.0	1	19.5	3.5	8.32	109.8	32.5	3	8.89	3.5	2.8
								2	19.5	3.6	8.32	109.9	32.6	3			
				12:29:41		Middle	9.5	1	19.4	3.5	9.46	124.8	32.8	2			
								2	19.4	3.6	9.46	124.8	32.8	4			
				12:31:53		Bottom	17.9	1	19.4	3.4	9.62	127.0	32.9	2			
								2	19.4	3.6	9.53	125.9	32.9	3			
		TKO-M4a	Sunny	12:48:06	18.6	Surface	1.0	1	19.4	3.7	8.51	112.2	32.7	4	8.95	3.2	3.0
								2	19.4	3.5	8.72	115.1	32.7	3			
				12:49:24		Middle	9.3	1	19.4	2.8	9.28	122.5	32.8	3			
								2	19.4	2.8	9.28	122.5	32.9	2			
				12:51:48		Bottom	17.6	1	19.5	3.2	9.86	130.3	32.9	2			
								2	19.5	3.3	9.90	130.8	32.9	4			
		TKO-M5	Sunny	13:06:28	10.9	Surface	1.0	1	19.7	3.5	8.35	110.5	32.3	2	8.96	3.2	2.3
								2	19.7	3.5	8.51	112.7	32.4	2			
				13:07:58		Middle	5.5	1	19.4	3.4	9.45	124.7	32.8	2			
								2	19.4	3.4	9.54	125.8	32.8	3			
				13:08:34		Bottom	9.9	1	19.4	2.7	9.90	130.6	32.8	2			
								2	19.4	2.9	9.94	131.2	32.8	3			
TKO-M4	Sunny	13:18:23	8.8	Surface	1.0	1	19.5	3.1	8.34	109.9	32.3	4	8.81	2.9	3.3		
						2	19.4	3.3	8.30	109.4	32.4	3					
		13:19:16		Middle	4.4	1	19.4	3.3	9.30	122.4	32.6	4					
						2	19.3	3.2	9.30	122.4	32.6	5					
		13:20:43		Bottom	7.8	1	19.4	2.3	10.20	134.5	32.7	2					
						2	19.3	2.3	10.20	134.3	32.7	2					

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															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
21/1/2026	Mid-Flood	TKO-C1	Fine	8:13:00	17.6	Surface	1.0	1	19.3	2.7	8.86	117.2	33.5	4	9.45	3.4	5.3
								2	19.3	2.7	8.79	116.2	33.4	5			
				8:11:19		Middle	8.8	1	19.6	3.6	9.92	131.5	33.0	5			
								2	19.5	3.8	10.21	135.0	33.0	8			
				8:09:50		Bottom	16.6	1	19.5	3.8	10.05	132.7	32.7	4			
								2	19.4	3.6	10.26	135.2	32.7	6			
		TKO-C1a	Fine	8:28:33	18.4	Surface	1.0	1	19.3	3.3	9.47	125.0	33.0	7	9.41	3.4	5.2
								2	19.3	3.4	8.62	113.7	33.0	6			
				8:27:49		Middle	9.2	1	19.4	3.6	9.73	128.6	33.1	6			
								2	19.4	3.6	9.81	129.6	33.0	5			
				8:26:47		Bottom	17.4	1	19.4	3.2	9.56	126.3	33.0	3			
								2	19.4	3.1	9.45	124.9	33.1	4			
		TKO-M4a	Fine	8:42:20	18.3	Surface	1.0	1	19.5	3.0	8.86	117.3	33.0	5	9.19	3.1	5.0
								2	19.5	2.9	8.34	110.4	33.0	4			
				8:41:27		Middle	9.2	1	19.4	3.5	9.82	129.9	33.1	5			
								2	19.5	3.6	9.72	128.6	33.1	4			
				8:40:31		Bottom	17.3	1	19.3	2.8	9.39	123.9	32.9	5			
								2	19.4	2.9	9.16	120.9	33.0	7			
		TKO-M5	Fine	8:56:12	11.4	Surface	1.0	1	19.5	3.4	8.18	108.6	33.2	3	8.27	3.2	4.7
								2	19.5	3.3	7.90	104.8	33.2	5			
				8:55:20		Middle	5.7	1	19.5	2.8	8.40	111.5	33.2	3			
								2	19.6	2.9	8.59	114.0	33.2	5			
				8:54:07		Bottom	10.4	1	19.5	3.4	8.84	116.9	33.0	6			
								2	19.5	3.2	8.92	118.0	33.0	6			
TKO-M4	Fine	9:09:16	9.0	Surface	1.0	1	19.5	3.2	8.77	116.0	33.1	7	8.56	3.0	5.5		
						2	19.4	3.3	8.35	110.5	33.1	5					
		9:08:36		Middle	4.5	1	19.4	2.6	8.55	113.1	33.1	3					
						2	19.4	2.5	8.55	113.2	33.1	6					
		9:06:54		Bottom	8.0	1	19.3	3.4	8.46	111.4	32.7	6					
						2	19.3	3.2	8.42	111.0	32.9	6					

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged								
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
21/1/2026	Mid-Ebb	TKO-C1	Cloudy	13:54:01	18.9	Surface	1.0	1	19.5	2.9	9.19	121.6	33.0	3	9.76	3.4	4.0						
				13:53:14		Middle	9.5	2	19.5	3.1	9.07	120.0	33.0	4									
				13:52:24		Bottom	17.9	1	19.6	3.6	10.27	136.4	33.1	3									
								2	19.6	3.6	10.28	136.5	33.1	4									
				TKO-C1a		Cloudy	14:06:49	19.3	Surface	1.0	1	19.5	3.7	9.06				119.9	33.0	6	9.51	3.6	5.2
							14:06:01		Middle	9.7	2	19.6	3.7	8.64				114.4	33.0	6			
		14:05:28	Bottom		18.3		1		19.6	3.8	10.15	134.7	33.1	5									
							2		19.6	3.7	10.17	135.0	33.1	5									
		14:18:27	Surface		18.6		1.0		1	19.6	3.4	9.46	125.3	32.9	4								
									2	19.6	3.2	9.36	124.1	33.0	5								
		TKO-M4a	Cloudy	14:17:38	18.6	Middle	9.3	1	19.6	2.6	8.92	118.2	33.1	4	9.36	3.2	3.7						
				14:16:42		Bottom	17.6	2	19.6	2.6	8.68	115.0	33.0	5									
								1	19.6	3.5	9.91	131.6	33.1	3									
				14:32:50		Surface	11.3	1.0	2	19.6	3.5	9.94	131.9	33.1				5					
									1	19.6	3.5	9.42	124.9	33.0				3					
				TKO-M5		Cloudy	14:32:07	11.3	Middle	5.7	2	19.6	3.6	9.35				124.0	33.0	2	9.30	3.5	3.8
		14:31:42	Bottom		10.3		1		19.6	3.3	9.17	121.5	33.1	3									
							2		19.6	3.4	8.57	113.6	33.0	3									
		14:45:34	Surface		9.6		1.0		1	19.6	3.5	10.05	133.4	33.1	4								
									2	19.6	3.5	9.42	125.0	33.1	5								
		TKO-M4	Cloudy		14:44:51		9.6		Middle	4.8	1	19.6	3.6	9.99	132.5	33.1	3	9.98	2.8	3.7			
				14:43:56	Bottom	8.6		2	19.6	3.4	9.96	132.2	33.0	5									
								1	19.4	2.7	9.06	119.8	33.0	4									
				14:45:34	Surface	9.6		1.0	2	19.4	2.7	8.77	115.9	33.0	5								
1	19.4								2.8	9.53	126.1	33.0	3										
14:43:56	Bottom			8.6	8.6	2		19.4	2.9	9.03	119.4	33.0	5										
		1	19.5			2.7	9.19	121.4	32.6	3													
14:43:56	Bottom	8.6	8.6	2	19.5	2.8	9.19	121.6	32.9	2													

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged								
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
23/1/2026	Mid-Flood	TKO-C1	Cloudy	9:19:11	18.3	Surface	1.0	1	19.1	3.3	9.47	124.4	32.9	5	9.77	3.3	4.5						
				9:18:24		Middle	9.2	1	19.1	3.6	10.33	135.7	33.0	4									
				9:17:44		Bottom	17.3	1	19.0	2.9	9.93	130.2	32.7	4									
								2	19.1	2.9	9.88	129.5	32.8	5									
				TKO-C1a		Cloudy	9:36:12	18.9	Surface	1.0	1	19.1	2.3	9.20				120.8	33.0	4	9.35	2.6	5.3
							9:35:32		Middle	9.5	1	19.1	2.8	9.80				128.7	33.1	6			
		9:34:32	Bottom		17.9		1		19.0	2.8	9.35	122.7	33.2	7									
							2		18.9	2.7	9.24	121.2	33.2	7									
		TKO-M4a	Cloudy		9:49:33		18.6		Surface	1.0	1	19.1	2.4	8.55	112.3	33.0	4	9.04	2.7	4.5			
					9:48:39				Middle	9.3	1	19.1	2.8	9.52	125.1	33.0	5						
				9:47:43	Bottom	17.6		1	18.9	2.8	8.87	116.2	33.1	3									
								2	18.9	2.6	8.98	117.6	33.1	5									
				TKO-M5	Cloudy	10:02:23		11.2	Surface	1.0	1	18.9	2.6	8.50	111.4	33.1	6				8.52	2.9	5.2
						10:01:49			Middle	5.6	1	18.9	2.7	8.77	115.0	33.2	5						
		10:01:05	Bottom			10.2	1		18.9	3.4	8.77	114.9	33.2	5									
							2		18.9	3.4	8.77	114.9	33.2	6									
		TKO-M4	Cloudy			10:12:52	9.0		Surface	1.0	1	19.0	3.5	8.54	112.1	33.0	4	8.56	3.4	3.8			
						10:12:17			Middle	4.5	1	18.9	3.4	8.83	115.7	33.0	4						
				10:11:47	Bottom	8.0		1	18.8	3.1	8.40	109.9	33.1	4									
								2	18.8	3.2	8.53	111.6	33.1	5									

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged								
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
23/1/2026	Mid-Ebb	TKO-C1	Sunny	14:15:24	19.3	Surface	1.0	1	19.3	3.2	10.21	134.5	30.5	5	10.11	3.1	4.3						
				14:14:41		Middle		9.7	2	19.3	3.3	9.31	122.6					32.7	5				
				14:13:56			Bottom		18.3	1	19.1	3.3	10.47	137.6				32.9	5				
						2		19.1		3.4	10.44	137.2	32.9	5									
				TKO-C1a		Sunny	14:31:33	19.4	Surface	1.0	1	19.2	2.9	9.31				122.6	32.9	3	9.89	2.9	3.5
							14:30:56		Middle		9.7	2	19.2	3.0				9.16	120.5	33.0			
		14:30:00	Bottom		18.4		1			19.1		2.9	10.52	138.3	33.0	4							
							2		19.1	3.0	10.56	138.9	33.0	4									
		TKO-M4a	Sunny		14:41:09		19.0		Surface	1.0	1	19.1	2.8	11.73	154.2	33.0	3	11.81	2.7	2.8			
					14:40:32				Middle		9.5	2	19.1	2.9	11.89	156.2	33.0						
				14:39:54	Bottom	18.0		1		19.3		3.4	9.80	129.2	33.0	3							
								2	19.3	3.3	8.62	113.7	33.0	3									
				TKO-M5	Sunny	14:54:13		11.4	Surface	1.0	1	19.1	2.0	9.70	127.6	33.1	2				9.01	2.7	4.7
						14:53:41			Middle		5.7	2	19.1	2.2	9.92	130.4	33.1						
		14:53:09	Bottom			10.4	1			19.1		2.6	9.11	119.7	33.1	3							
							2		19.1	2.7	9.17	120.5	33.1	3									
		TKO-M4	Sunny			15:05:42	9.3		Surface	1.0	1	19.1	2.5	9.01	118.5	33.0	6	8.86	3.6	2.7			
						15:05:13			Middle		4.7	2	19.2	2.5	8.47	111.5	33.0						
				15:04:41	Bottom	8.3		1		19.1		2.6	9.32	122.5	33.0	4							
								2	19.1	3.0	8.93	117.3	33.0	3									
				15:04:41	Bottom	8.3		1	19.1	3.0	8.97	117.8	33.0	4									
								2	19.1	3.0	8.97	117.8	33.0	4									
		15:04:41	Bottom	8.3	1	19.0	3.6	8.84	116.1	33.1	2												
					2	19.0	3.7	8.83	116.0	33.1	2												

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
26/1/2026	Mid-Flood	TKO-C1	Sunny	10:39:47	19.3	Surface	1.0	1	19.2	2.7	10.08	132.7	32.8	2	9.88	2.9	3.3
								2	19.2	2.6	9.20	121.1	32.8	3			
				10:39:09		Middle	9.7	1	19.2	2.6	10.18	133.9	32.9	2			
								2	19.2	2.7	10.06	132.3	33.0	3			
				10:38:26		Bottom	18.3	1	19.2	3.4	9.65	127.1	33.1	5			
								2	19.2	3.4	9.64	126.9	33.1	5			
		TKO-C1a	Sunny	10:55:03	19.0	Surface	1.0	1	19.3	2.4	9.06	119.3	32.8	3	9.22	2.3	2.5
								2	19.3	2.2	8.69	114.4	32.8	3			
				10:54:23		Middle	9.5	1	19.2	2.0	9.68	127.3	33.0	2			
								2	19.2	2.0	9.46	124.5	33.0	3			
				10:53:32		Bottom	18.0	1	19.1	2.7	8.96	117.9	33.1	2			
								2	19.1	2.7	8.94	117.6	33.1	2			
		TKO-M4a	Sunny	11:08:42	19.0	Surface	1.0	1	19.2	2.3	8.33	109.6	33.0	<b>2</b>	8.78	3.1	2.7
								2	19.2	2.4	8.24	108.4	33.0	<b>2</b>			
				11:07:49		Middle	9.5	1	19.1	3.3	9.26	121.8	33.1	3			
								2	19.1	3.4	9.28	122.0	33.1	3			
				11:06:43		Bottom	18.0	1	19.1	3.5	9.57	125.8	33.1	3			
								2	19.1	3.5	9.48	124.7	33.1	3			
		TKO-M5	Sunny	11:21:52	11.3	Surface	1.0	1	19.1	2.8	8.11	106.7	33.1	<b>2</b>	8.42	3.0	2.0
								2	19.1	2.8	8.09	106.4	33.1	<b>2</b>			
				11:21:01		Middle	5.7	1	19.1	2.6	8.69	114.3	33.1	2			
								2	19.1	2.6	8.80	115.7	33.1	2			
				11:20:00		Bottom	10.3	1	19.1	3.6	8.78	115.3	32.8	2			
								2	19.1	3.7	8.97	117.8	32.9	2			
TKO-M4	Sunny	11:33:07	9.1	Surface	1.0	1	19.2	2.1	8.98	118.3	33.1	2	8.75	2.5	2.2		
						2	19.2	2.1	8.28	109.0	32.9	2					
		11:32:41		Middle	4.6	1	19.2	2.7	8.88	116.9	33.0	2					
						2	19.2	2.6	8.86	116.5	33.0	2					
		11:31:59		Bottom	8.1	1	19.2	2.6	9.30	122.4	33.0	3					
						2	19.2	2.7	9.25	121.8	33.0	2					

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged			
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
26/1/2026	Mid-Ebb	TKO-C1	Fine	17:10:51	19.7	Surface	1.0	1	19.6	1.3	9.76	129.3	32.8	2	10.14	1.3	2.0	
								2	19.6	1.4	9.64	127.7	32.8					
				17:10:07		Middle	9.9	1	19.3	1.3	10.59	139.6	32.9	2				
								2	19.3	1.2	10.57	139.3	32.9					
				17:09:28		Bottom	18.7	1	19.3	1.2	10.40	137.2	32.9	<b>2</b>				10.36
								2	19.3	1.2	10.31	136.0	32.9					
		TKO-C1a	Fine	17:23:22	Surface	19.3	1.0	1	19.4	1.7	9.75	128.8	32.9	2	9.84	2.5	2.3	
								2	19.4	1.7	9.01	118.9	32.9					
				17:22:35	Middle		9.7	1	19.3	2.4	10.24	135.2	33.0	2				
								2	19.3	2.3	10.37	136.8	33.0					
				17:21:54	Bottom		18.3	1	19.2	3.5	9.63	126.8	32.9	3				9.58
								2	19.2	3.6	9.53	125.4	33.0					
		TKO-M4a	Fine	17:35:11	Surface	19.1	1.0	1	19.3	2.2	9.39	124.0	33.0	2	9.59	2.6	3.2	
								2	19.4	2.3	8.88	117.2	33.0					
				17:34:34	Middle		9.6	1	19.2	1.9	10.01	131.8	33.0	4				
								2	19.2	2.2	10.07	132.5	32.9					
				17:33:58	Bottom		18.1	1	19.2	3.3	9.40	123.8	33.0	3				9.38
								2	19.3	3.4	9.36	123.3	33.0					
		TKO-M5	Fine	17:46:49	Surface	11.7	1.0	1	19.4	1.5	9.29	122.9	33.0	2	9.18	1.5	2.2	
								2	19.4	1.3	8.68	115.0	33.2					
				17:46:20	Middle		5.9	1	19.4	1.6	9.31	123.1	33.0	<b>2</b>				
								2	19.4	1.4	9.42	124.5	33.0					
				17:45:27	Bottom		10.7	1	19.4	1.5	9.34	123.2	33.0	<b>2</b>				9.33
								2	19.3	1.5	9.31	122.7	33.0					
TKO-M4	Fine	17:57:54	Surface	9.4	1.0	1	19.5	1.3	8.39	110.8	32.6	<b>2</b>	8.64	1.5	2.3			
						2	19.4	1.3	8.32	109.8	32.7							
		17:57:21	Middle		4.7	1	19.3	1.5	8.90	117.2	33.0	2						
						2	19.2	1.5	8.94	117.7	32.9							
		17:56:39	Bottom		8.4	1	19.2	1.7	9.07	119.3	32.9	3				9.04		
						2	19.2	1.6	9.01	118.6	32.9							

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged								
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
28/1/2026	Mid-Flood	TKO-C1	Cloudy	13:09:26	20.2	Surface	1.0	1	19.4	2.5	9.14	120.8	33.0	<b>2</b>	9.31	2.8	2.0						
				13:08:46		Middle	10.1	2	19.4	2.5	8.65	114.3	33.0	<b>2</b>									
				13:07:59		Bottom	19.2	1	19.4	3.8	8.82	116.5	33.0	<b>2</b>									
								2	19.4	3.7	9.18	121.3	33.0	<b>2</b>									
				TKO-C1a		Cloudy	12:55:25	19.5	Surface	1.0	1	19.4	2.3	8.51				112.5	33.0	<b>2</b>	9.02	2.7	2.3
							12:54:32		Middle	9.8	2	19.4	2.6	8.33				110.1	33.0	<b>2</b>			
		12:54:06	Bottom		18.5		1		19.4	2.4	9.63	127.4	33.2	<b>2</b>									
							2		19.4	2.1	9.60	127.0	33.2	<b>2</b>									
		12:43:04	Surface		19.2		1.0		1	19.4	3.3	9.13	120.9	33.2	<b>3</b>								
									2	19.4	3.4	9.11	120.6	33.2	<b>3</b>								
		TKO-M4a	Cloudy	12:43:04	19.2	Surface	1.0	1	19.4	2.6	8.64	114.2	33.1	<b>3</b>	9.09	3.3	2.5						
				12:42:08		Middle	9.6	2	19.4	2.6	8.39	110.9	33.1	<b>2</b>									
								1	19.4	3.9	9.69	128.1	33.2	<b>3</b>									
				12:41:22		Bottom	18.2	1	19.4	3.7	9.63	127.4	33.2	<b>2</b>									
								2	19.4	3.5	9.37	123.9	33.2	<b>3</b>									
				12:29:02		Surface	11.2	1.0	1	19.4	3.6	9.27	122.6	33.2				<b>2</b>					
		2	19.4		3.1				8.86	117.3	33.2	<b>3</b>											
		TKO-M5	Cloudy	12:29:02	11.2	Surface	1.0	1	19.5	2.8	8.36	110.7	33.2	<b>3</b>	8.96	3.0	3.3						
				12:28:27		Middle	5.6	2	19.5	2.7	9.36	123.9	33.2	<b>4</b>									
								1	19.4	2.6	9.24	122.3	33.2	<b>4</b>									
				12:27:59		Bottom	10.2	1	19.4	3.4	8.78	116.2	33.2	<b>2</b>									
								2	19.4	3.4	8.93	118.1	33.2	<b>4</b>									
				TKO-M4		Cloudy	12:16:45	9.0	Surface	1.0	1	19.3	3.9	8.92				117.9	33.2	<b>2</b>	9.49	3.6	2.0
		12:16:07	Middle		4.5		2		19.3	3.4	9.74	128.6	33.2	<b>2</b>									
1	19.3						3.7		9.59	126.5	33.2	<b>2</b>											
12:15:28	Bottom	8.0	1		19.3		3.6		9.71	128.1	33.2	<b>2</b>											
			2		19.3		3.5		9.74	128.3	33.0	<b>2</b>											
2	19.3	3.6	9.69		127.7		33.0		<b>2</b>														

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Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged								
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)						
28/1/2026	Mid-Ebb	TKO-C1	Fine	18:45:51	19.3	Surface	1.0	1	19.5	2.0	10.73	142.2	33.0	2	10.53	2.7	2.2						
				18:45:16		Middle	9.7	2	19.5	2.3	9.73	128.9	33.0	2									
				18:44:34		Bottom	18.3	1	19.4	3.3	9.95	131.4	32.8	3									
								2	19.4	3.4	9.77	129.1	32.8	2									
				TKO-C1a		Fine	19:00:11	19.6	Surface	1.0	1	19.5	2.3	8.90				117.8	32.3	2	9.24	2.7	2.5
							18:59:31		Middle	9.8	2	19.5	2.1	8.48				112.1	32.9	3			
		18:58:54	Bottom		18.6		1		19.5	2.9	9.77	129.4	33.2	2									
							2		19.5	3.4	9.81	129.9	33.2	3									
		19:12:36	Surface		19.4		1.0		1	19.5	2.7	9.18	121.6	33.1	3								
									2	19.5	2.6	9.25	122.5	33.1	2								
		TKO-M4a	Fine	19:11:37	19.4	Middle	9.7	1	19.4	2.5	8.27	109.3	32.9	2	9.08	2.8	2.3						
				19:11:02		Bottom	18.4	2	19.4	3.0	8.40	111.0	32.9	3									
								1	19.5	2.0	9.83	130.1	33.1	3									
				19:25:36		Surface	11.9	1.0	2	19.5	2.0	9.80	129.8	33.0				2					
									1	19.4	3.5	9.24	122.3	33.1				2					
				19:24:47		Middle	6.0	6.0	2	19.4	3.6	9.30	123.0	33.1				2					
		1	19.6		2.4				8.11	107.6	33.2	2											
		19:24:14	Bottom	10.9	10.9	2	19.6	2.5	8.04	106.7	33.2	2											
						1	19.5	2.2	8.92	118.3	33.2	3											
		TKO-M5	Fine	19:24:14	11.9	Bottom	10.9	1	19.5	2.5	8.86	117.6	33.2	2	8.48	2.5	2.2						
				19:38:21		Surface	1.0	2	19.6	2.8	8.61	114.3	33.3	2									
								1	19.5	2.6	8.60	113.8	33.0	3									
				19:37:43		Middle	5.0	5.0	2	19.5	2.6	8.59	114.0	33.3				2					
									1	19.4	3.4	8.72	115.4	33.1				2					
19:37:15	Bottom			9.0		9.0	2	19.4	3.3	8.77	116.1	33.2	2										
		1	19.4		2.5		8.06	106.6	33.1	2													
TKO-M4	Fine	19:37:15	10.0	Bottom	9.0	1	19.5	2.6	8.60	113.8	33.0	3	8.69	3.0	2.3								
		19:37:43		Middle	5.0	2	19.4	2.9	9.04	119.7	33.1	2											
TKO-M4	Fine	19:37:15	10.0	Bottom	9.0	1	19.4	2.5	8.06	106.6	33.1	2	8.75	3.0	2.3								
		19:38:21		Surface	1.0	2	19.4	2.5	8.06	106.6	33.1	2											

Remark(s):

(1) If the SS data smaller than reporting limit (2 mg/L), the data will be bold, Italics and 2 is displayed instead of <2.

(2) Exceedance result will be highlighted in red colour.

Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged		
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)
30/1/2026	Mid-Flood	TKO-C1	Cloudy	16:16:14	20.1	Surface	1.0	1	19.5	2.2	9.17	121.6	33.3	<b>2</b>	9.02	3.2	2.7
								2	19.5	2.0	8.32	110.4	33.2	<b>2</b>			
				16:15:40		Middle	10.1	1	19.6	3.9	9.29	123.5	33.3	<b>2</b>			
								2	19.6	3.7	9.31	123.7	33.3	<b>2</b>			
				16:14:59		Bottom	19.1	1	19.6	3.9	8.90	118.2	33.3	<b>4</b>			
								2	19.6	3.7	8.87	117.8	33.1	<b>4</b>			
		TKO-C1a	Cloudy	16:05:04	19.6	Surface	1.0	1	19.6	1.5	9.80	130.1	33.3	<b>2</b>	9.27	2.1	2.0
								2	19.6	1.3	8.42	111.9	33.3	<b>2</b>			
				16:04:32		Middle	9.8	1	19.6	2.0	9.38	124.7	33.3	<b>2</b>			
								2	19.6	1.9	9.47	125.8	33.3	<b>2</b>			
				16:04:11		Bottom	18.6	1	19.6	3.2	9.09	120.7	33.1	<b>2</b>			
								2	19.6	2.7	9.05	120.1	33.1	<b>2</b>			
		TKO-M4a	Cloudy	15:55:28	19.6	Surface	1.0	1	19.6	2.1	10.17	135.2	33.4	<b>2</b>	9.45	3.1	2.2
								2	19.6	2.0	8.63	114.7	33.4	<b>2</b>			
				15:55:10		Middle	9.8	1	19.6	3.1	9.49	126.2	33.3	<b>2</b>			
								2	19.6	3.7	9.50	126.3	33.3	<b>3</b>			
				15:54:38		Bottom	18.6	1	19.6	3.7	9.29	123.6	33.4	<b>2</b>			
								2	19.6	3.7	9.50	126.3	33.3	<b>2</b>			
		TKO-M5	Cloudy	15:45:30	11.4	Surface	1.0	1	19.6	1.7	8.24	109.4	33.0	<b>2</b>	8.55	2.1	2.0
								2	19.6	1.7	8.14	108.0	33.1	<b>2</b>			
				15:44:46		Middle	5.7	1	19.6	1.8	8.82	117.2	33.3	<b>2</b>			
								2	19.7	1.9	8.98	119.5	33.3	<b>2</b>			
				15:43:59		Bottom	10.4	1	19.7	2.7	9.14	121.5	33.3	<b>2</b>			
								2	19.7	2.6	9.34	124.2	33.3	<b>2</b>			
TKO-M4	Cloudy	15:33:51	10.5	Surface	1.0	1	19.5	3.6	10.48	135.8	29.3	<b>2</b>	9.83	3.4	2.0		
						2	19.5	3.3	9.45	125.2	32.2	<b>2</b>					
		15:33:28		Middle	5.3	1	19.6	3.3	9.93	131.7	33.2	<b>2</b>					
						2	19.5	3.9	9.46	125.5	33.2	<b>2</b>					
		15:32:59		Bottom	9.5	1	19.6	3.3	9.67	128.4	33.1	<b>2</b>					
						2	19.6	3.2	9.72	129.1	33.2	<b>2</b>					

Remark(s):

(1) If the SS data smaller than reporting limit (2 mg/L), the data will be bold, Italics and 2 is displayed instead of <2.

(2) Exceedance result will be highlighted in red colour.

Date	Tide	Station	Weather Condition	Sampling Time	Water Depth (m)	Water Level	Sampling Depth (m)	Replicate	Water Temp (°C)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	DO (%)	Salinity (ppt)	Suspended Solids (mg/L)	Depth-averaged			
															DO (mg/L)	Turbidity (NTU)	SS (mg/L)	
30/1/2026	Mid-Ebb	TKO-C1	Fine	20:04:54	20.9	Surface	1.0	1	19.4	3.3	8.75	115.7	33.1	2	9.18	3.2	2.2	
				2				19.4	3.3	8.62	114.0	33.1						
				20:03:57		Middle	10.5	1	19.5	3.1	9.65	128.1	33.3	2				
				2				19.5	3.0	9.68	128.5	33.3	2					
				20:02:44		Bottom	19.9	1	19.6	3.3	9.51	126.3	33.2	3				
				2				19.6	3.2	9.46	125.6	33.1	2					
		TKO-C1a	Fine	20:25:19	Surface	1.0	21.3	1.0	1	19.6	3.1	9.33	123.8	33.3	2	9.00	3.6	2.2
									2	19.6	3.4	8.18	108.6	33.3	3			
				20:24:40	Middle	10.7		1	19.6	3.9	9.13	121.2	33.3	2				
								2	19.6	3.5	9.34	124.0	33.3	2				
				20:24:02	Bottom	20.3		1	19.5	3.8	8.55	113.5	33.3	2				
								2	19.5	3.8	8.52	113.1	33.3	2				
		TKO-M4a	Fine	20:36:46	Surface	1.0	20.2	1.0	1	19.5	3.8	9.63	127.8	33.3	3	9.34	3.6	2.5
									2	19.5	3.4	8.26	109.6	33.3	2			
				20:36:26	Middle	10.1		1	19.6	3.3	9.64	128.0	33.3	2				
								2	19.6	3.6	9.84	130.7	33.3	2				
				20:35:54	Bottom	19.2		1	19.6	3.8	10.03	133.1	33.3	3				
								2	19.6	3.6	10.24	135.9	33.2	3				
		TKO-M5	Fine	20:48:10	Surface	1.0	12.7	1.0	1	19.5	3.1	8.82	117.0	33.3	2	8.82	2.9	2.7
									2	19.5	2.9	7.99	106.1	33.3	3			
				20:47:41	Middle	6.4		1	19.5	2.8	9.34	124.0	33.3	2				
								2	19.5	2.7	9.14	121.3	33.4	3				
				20:47:11	Bottom	11.7		1	19.6	3.0	8.93	118.6	33.3	3				
								2	19.6	3.1	9.00	119.5	33.2	3				
TKO-M4	Fine	20:59:42	Surface	1.0	10.3	1.0	1	19.5	3.6	9.00	119.3	33.2	3	8.54	3.7	3.0		
							2	19.5	3.5	7.95	105.4	33.3	3					
		20:59:19	Middle	5.2		1	19.5	3.7	8.67	114.9	33.3	4						
						2	19.5	3.8	8.53	113.1	33.3	4						
		20:58:46	Bottom	9.3		1	19.5	3.5	8.15	108.0	33.2	2						
						2	19.5	3.8	8.35	110.6	33.2	2						

Remark(s):

(1) If the SS data smaller than reporting limit (2 mg/L), the data will be bold, Italics and 2 is displayed instead of <2.

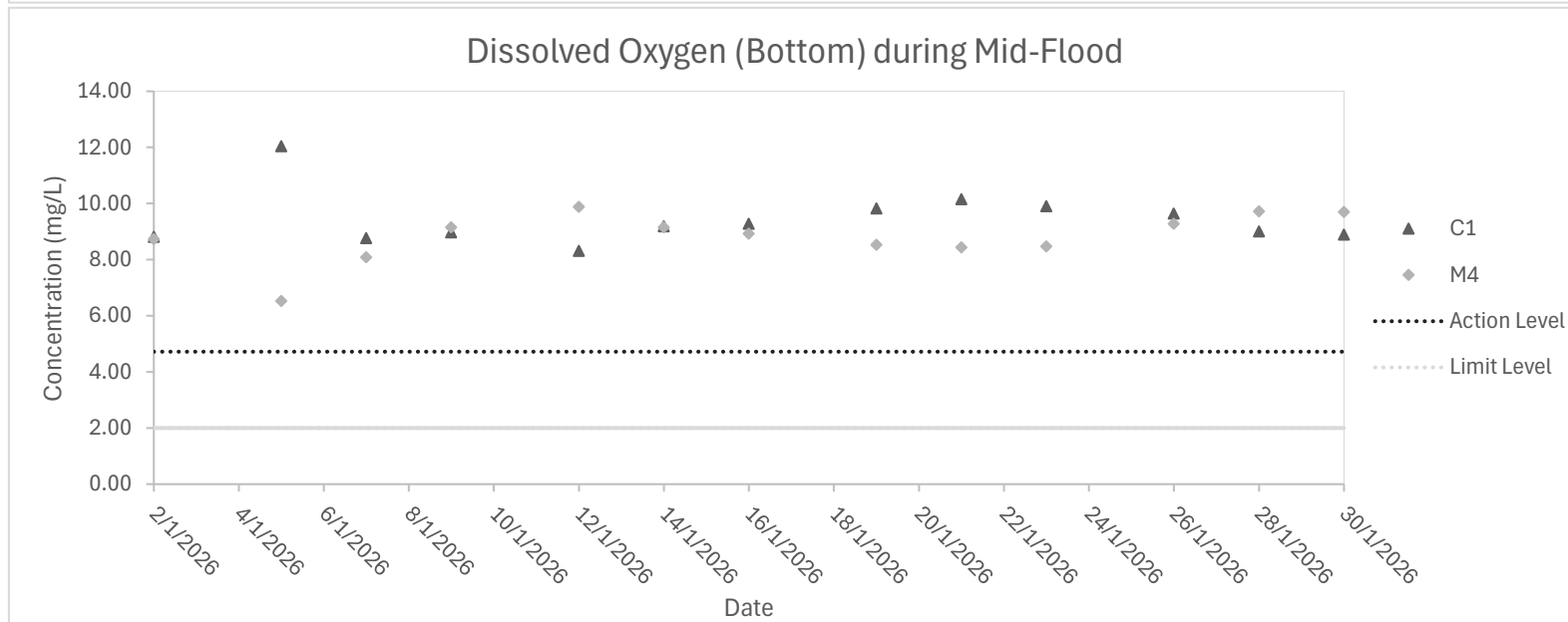
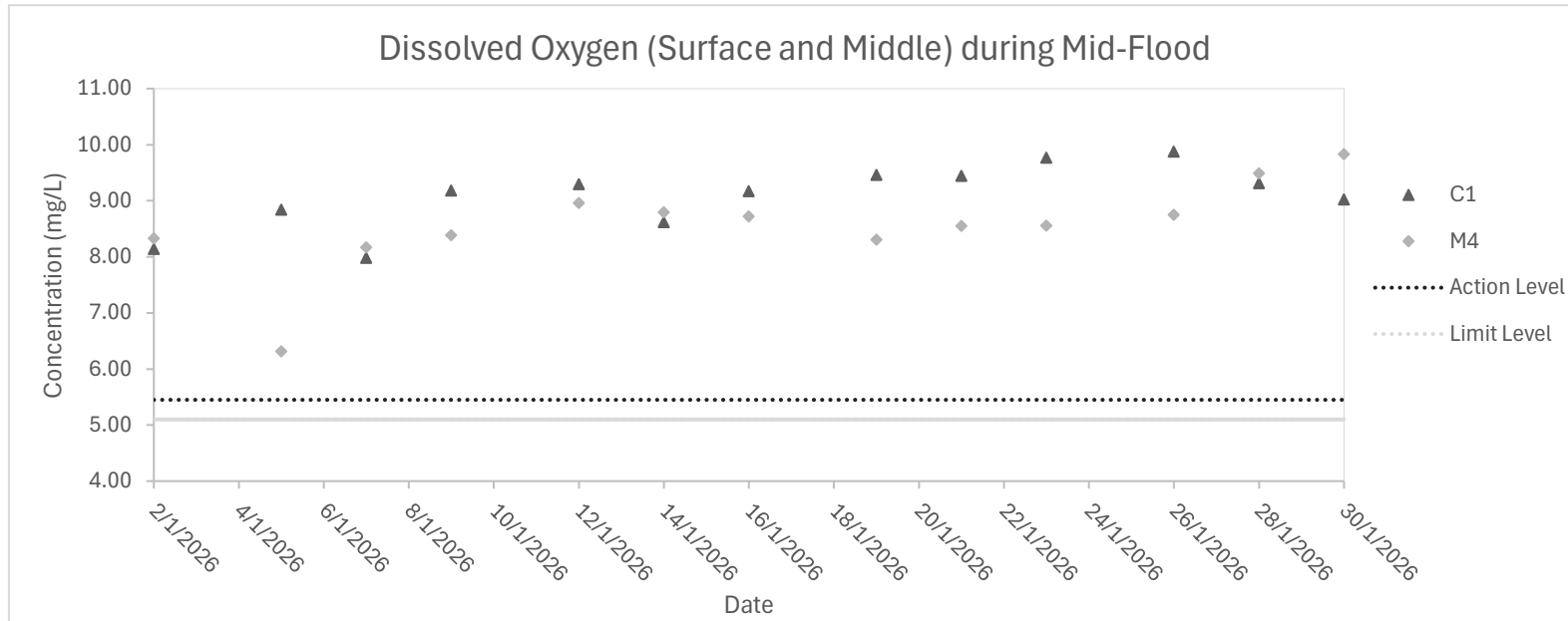
(2) Exceedance result will be highlighted in red colour.

## **Appendix E4**

### **Graphical Plots of Marine Water Quality Monitoring Data**

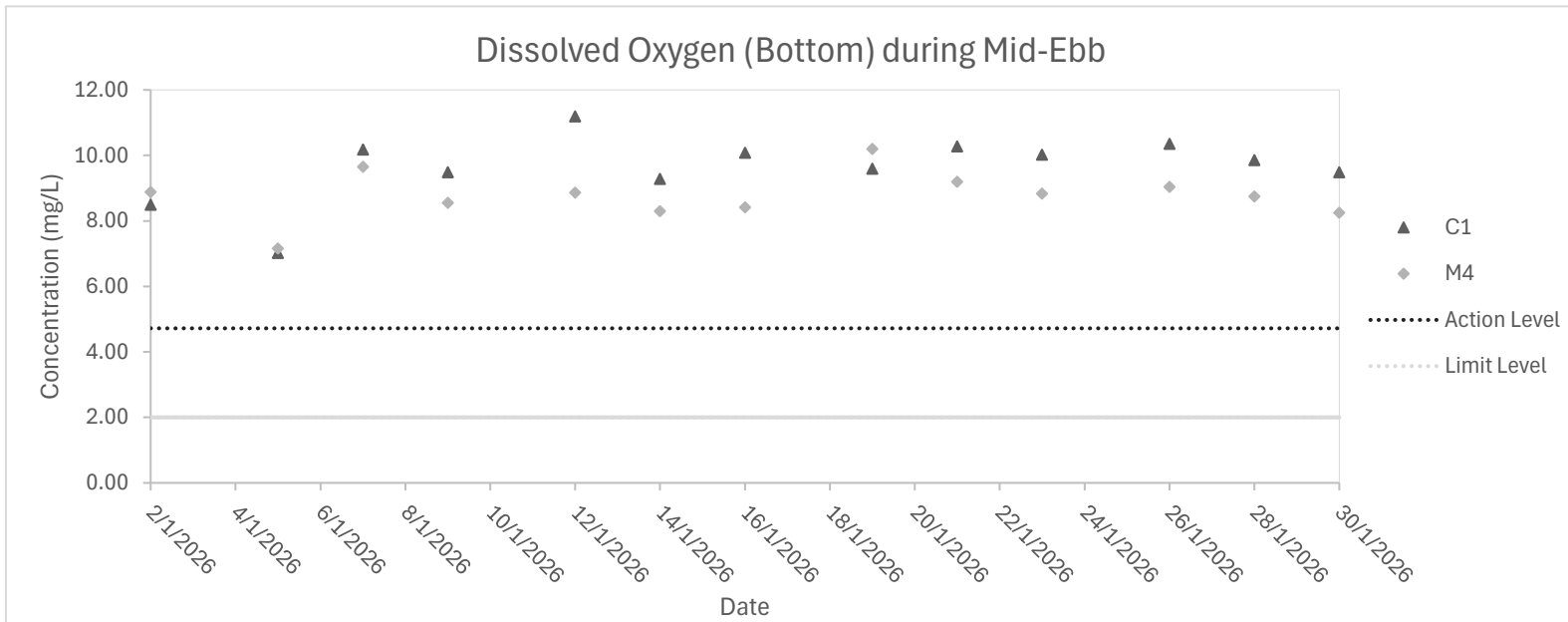
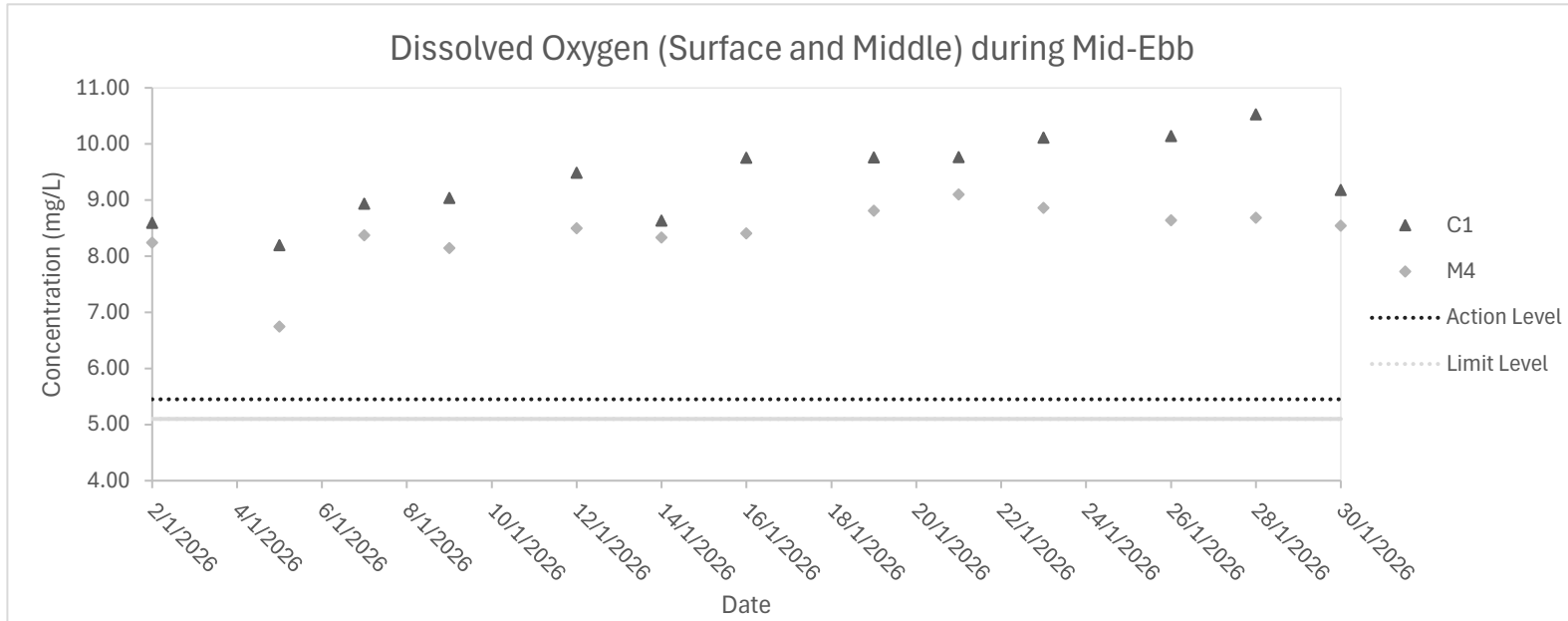
Tseung Kwan O 137

### Monitoring Station: C1 and M4



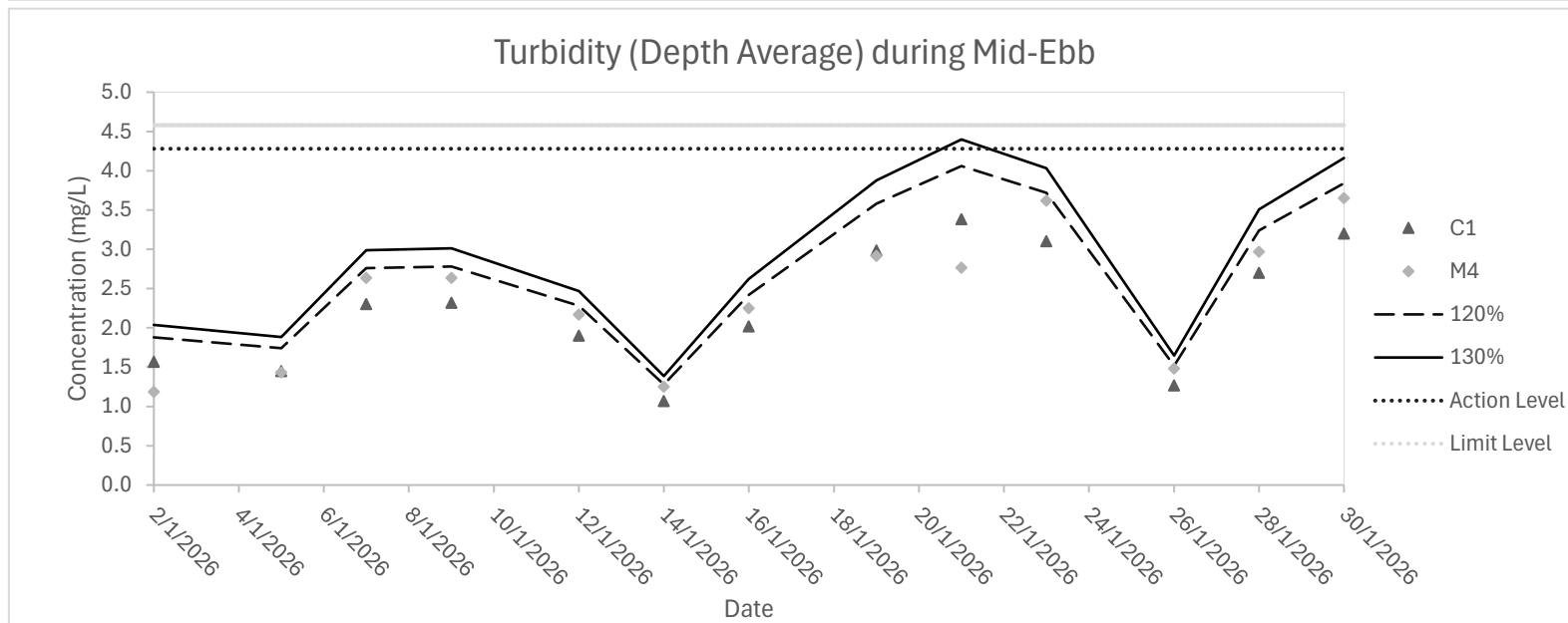
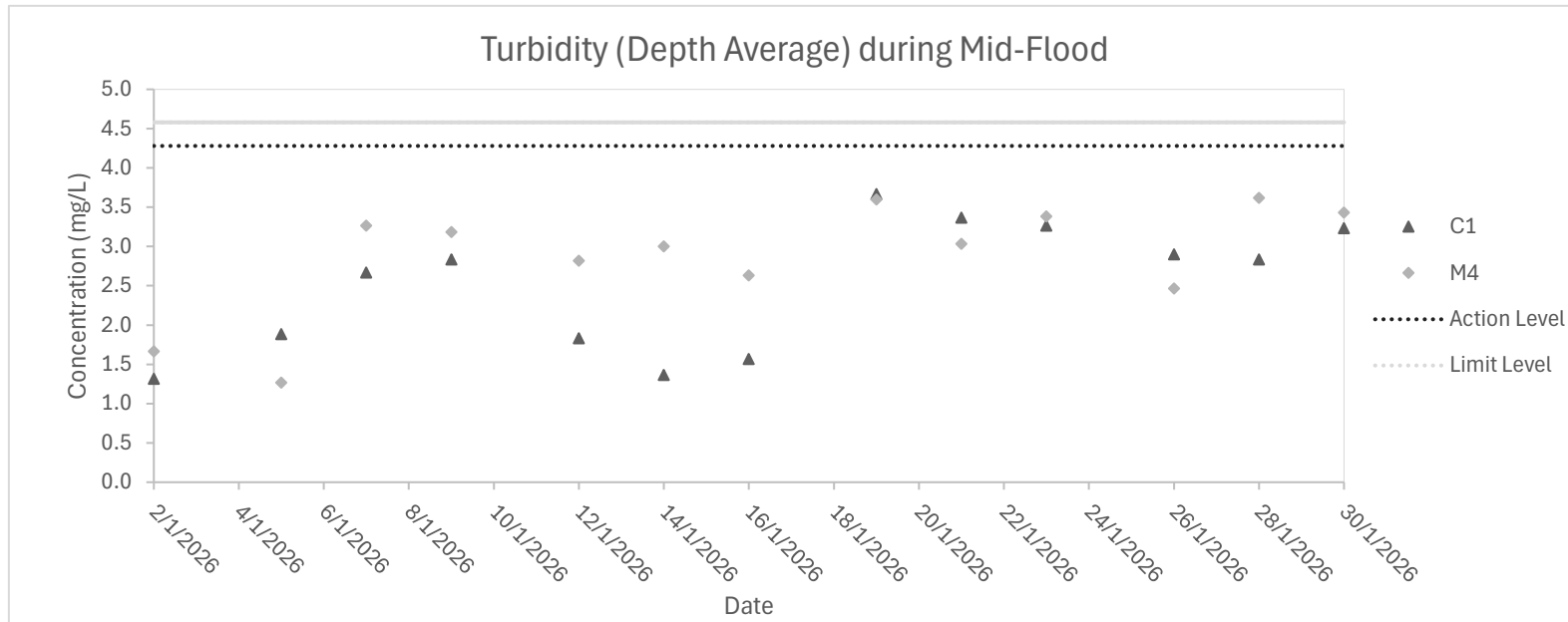
Tseung Kwan O 137

### Monitoring Station: C1 and M4



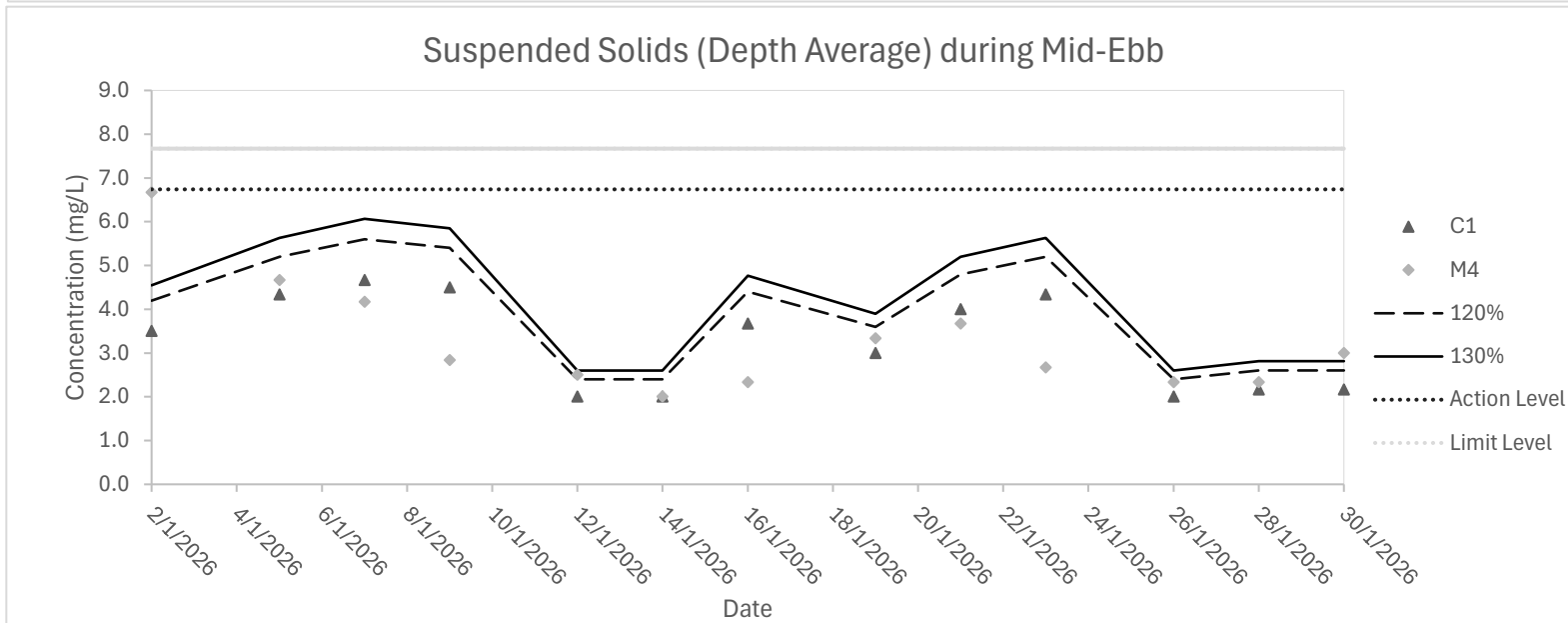
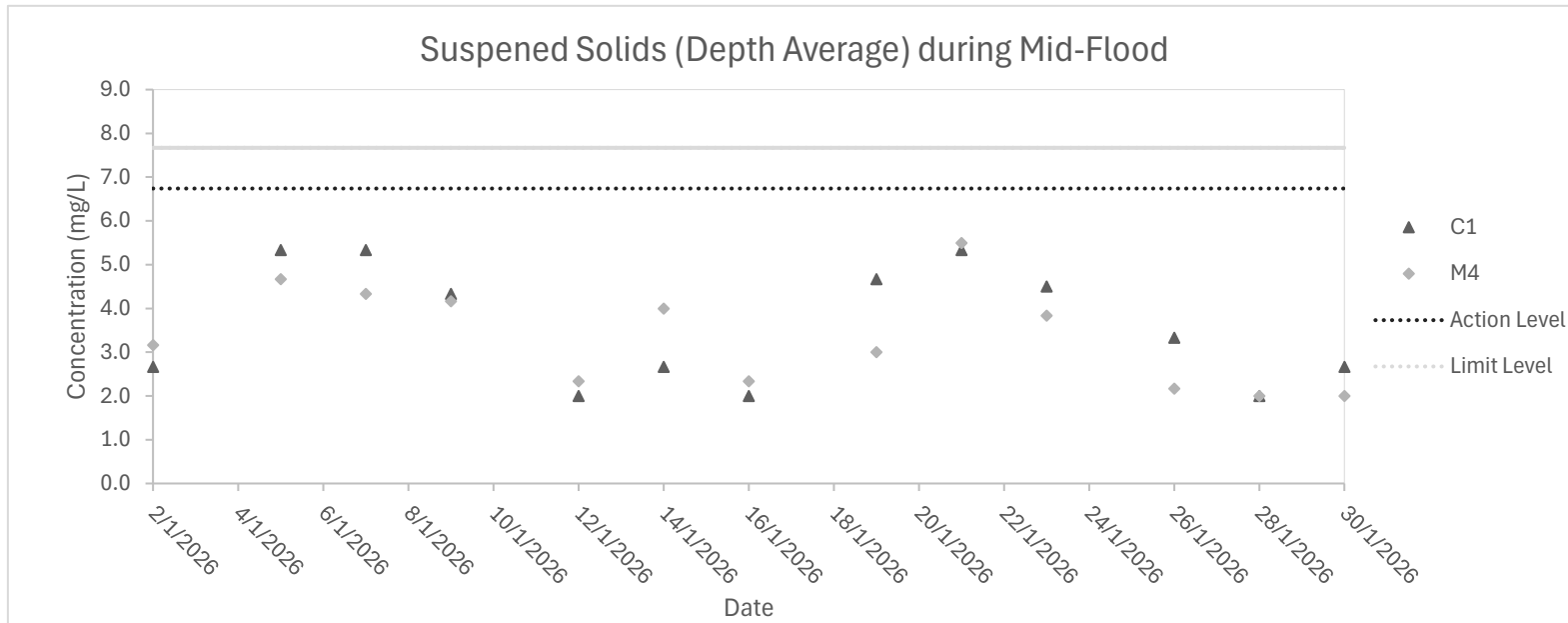
Tseung Kwan O 137

**Monitoring Station: C1 and M4**

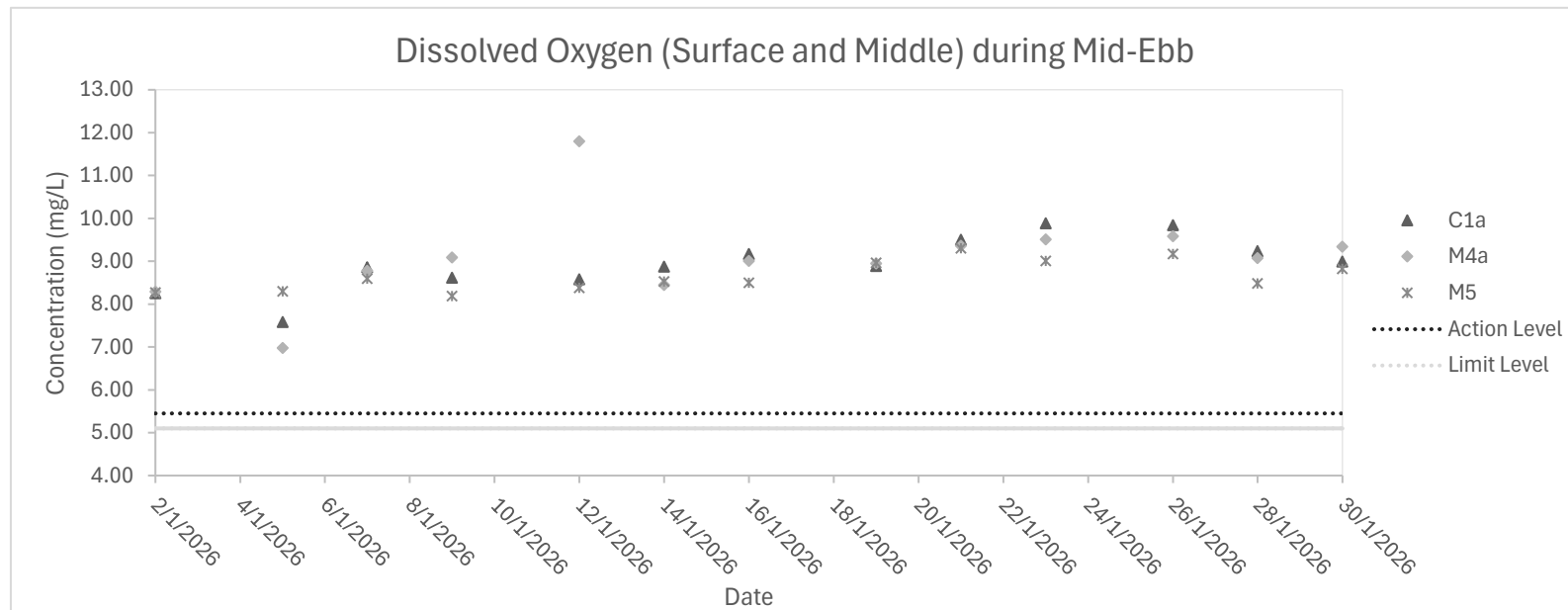
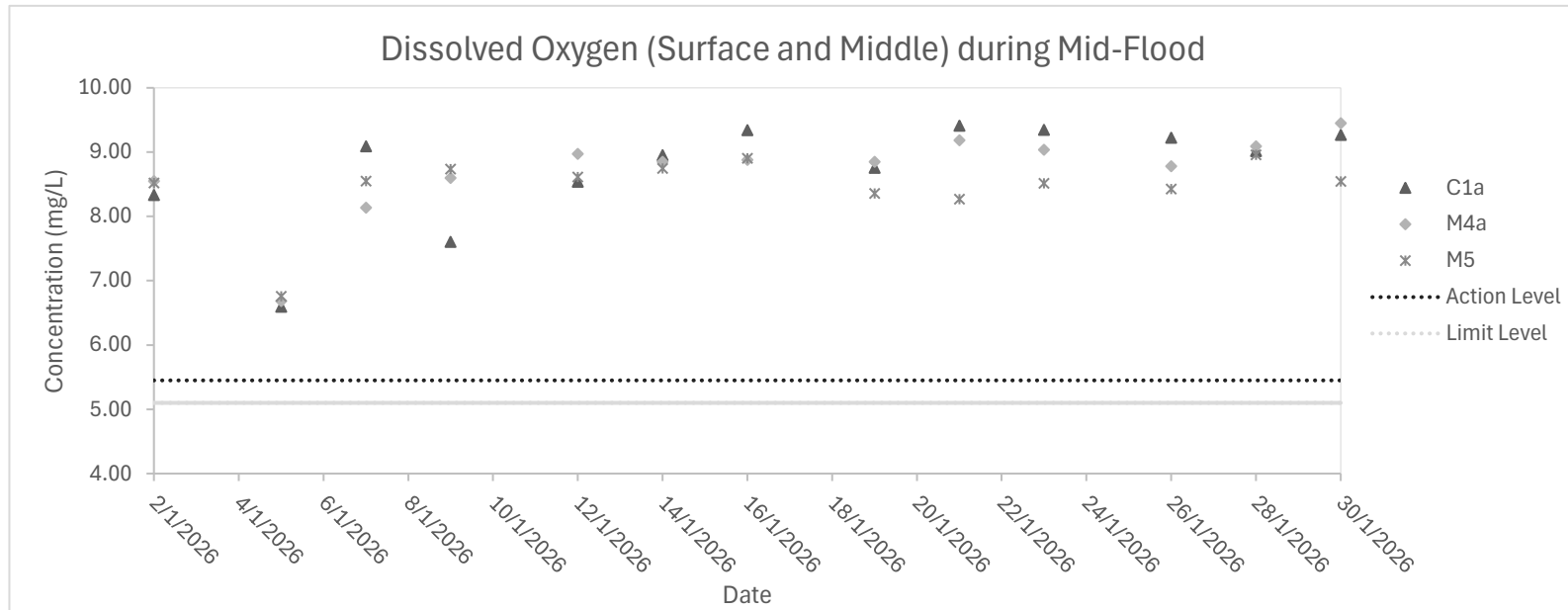


Tseung Kwan O 137

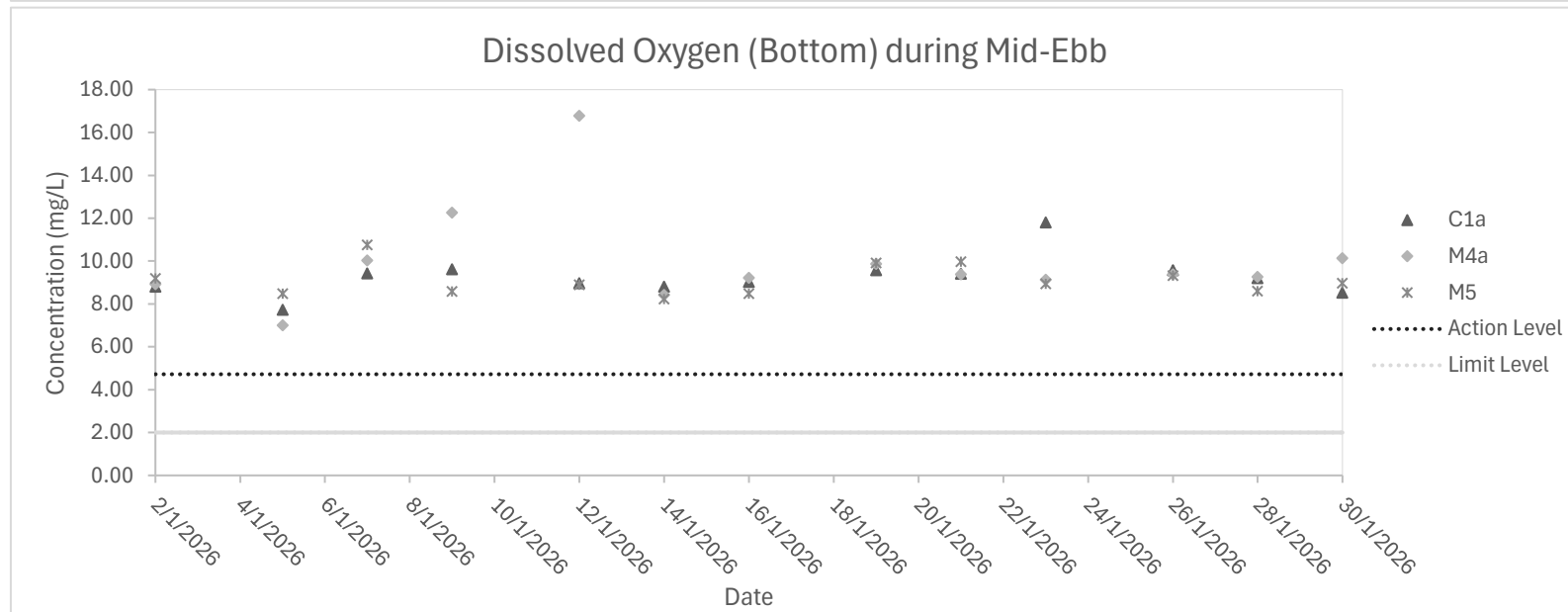
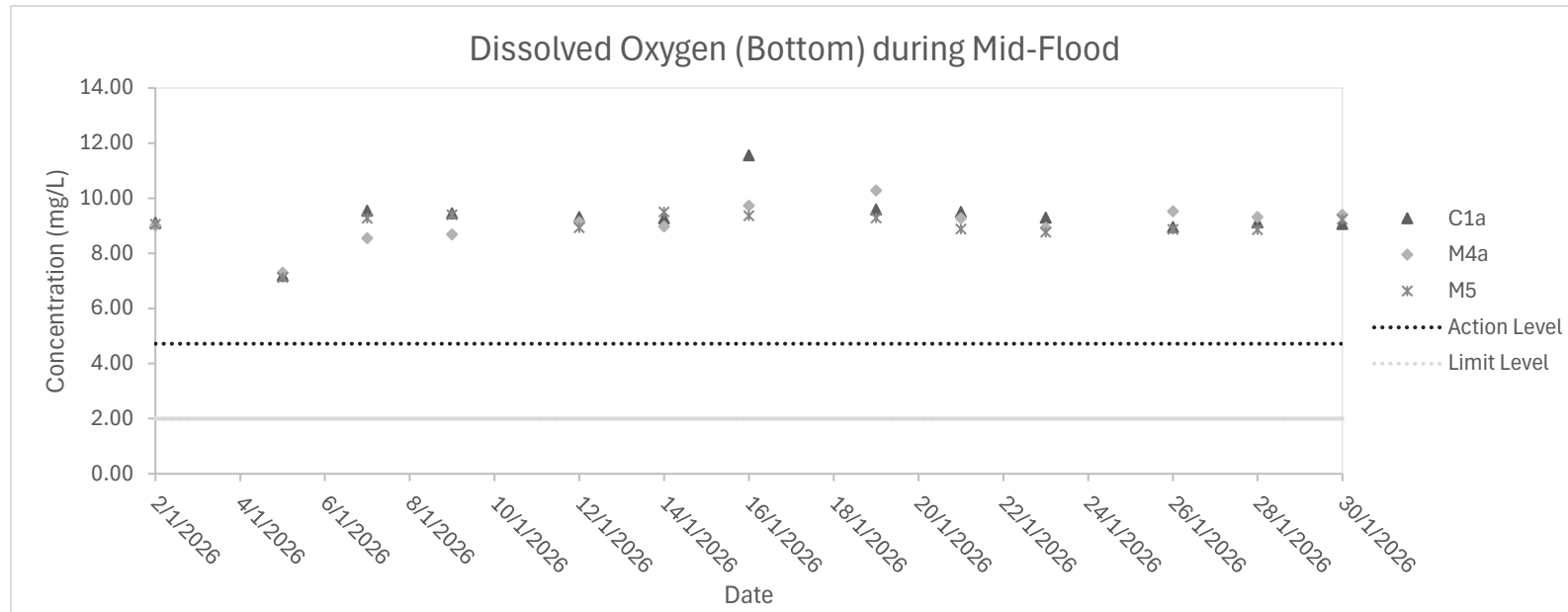
**Monitoring Station: C1 and M4**



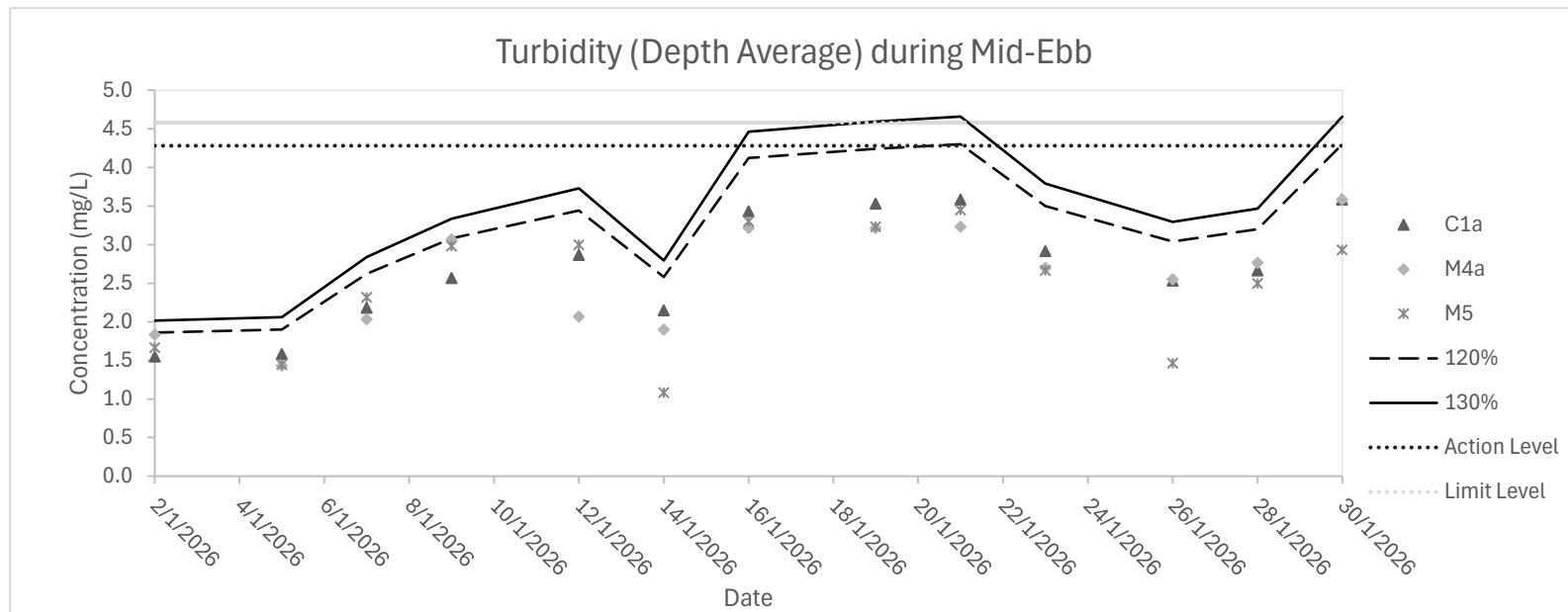
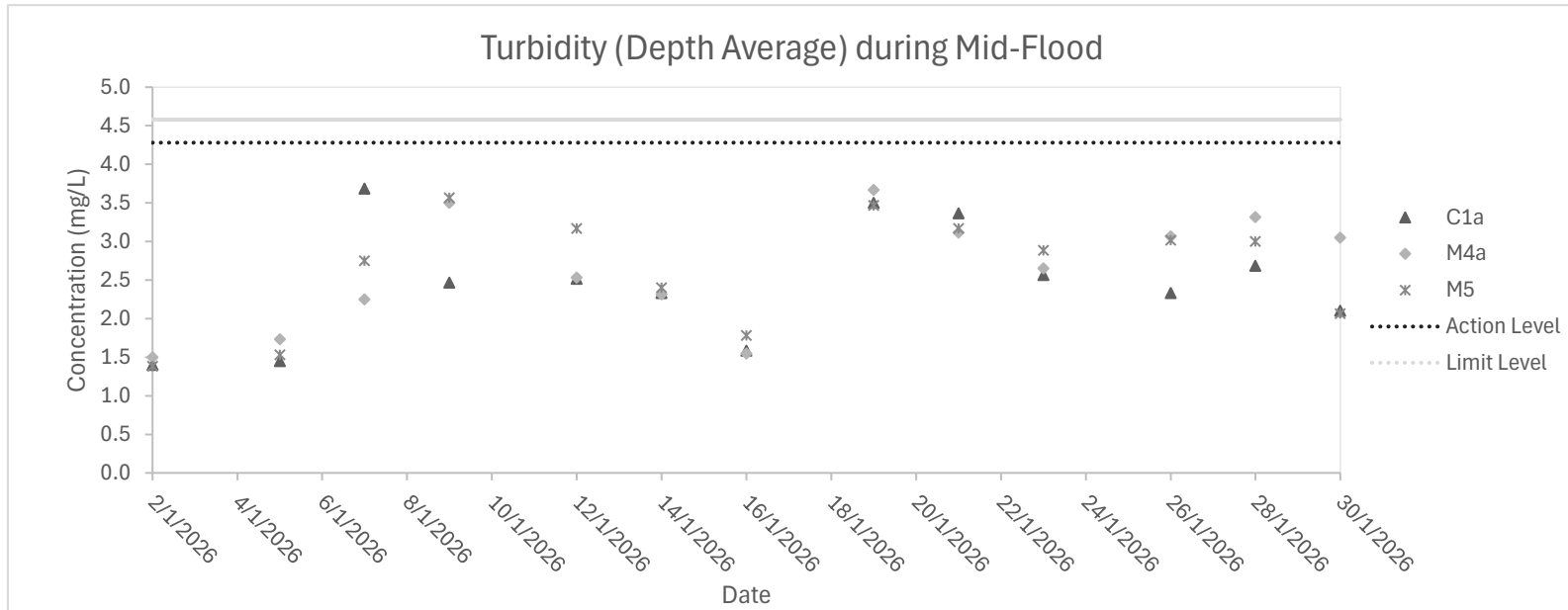
### Monitoring Stations: C1a, M4 and M5



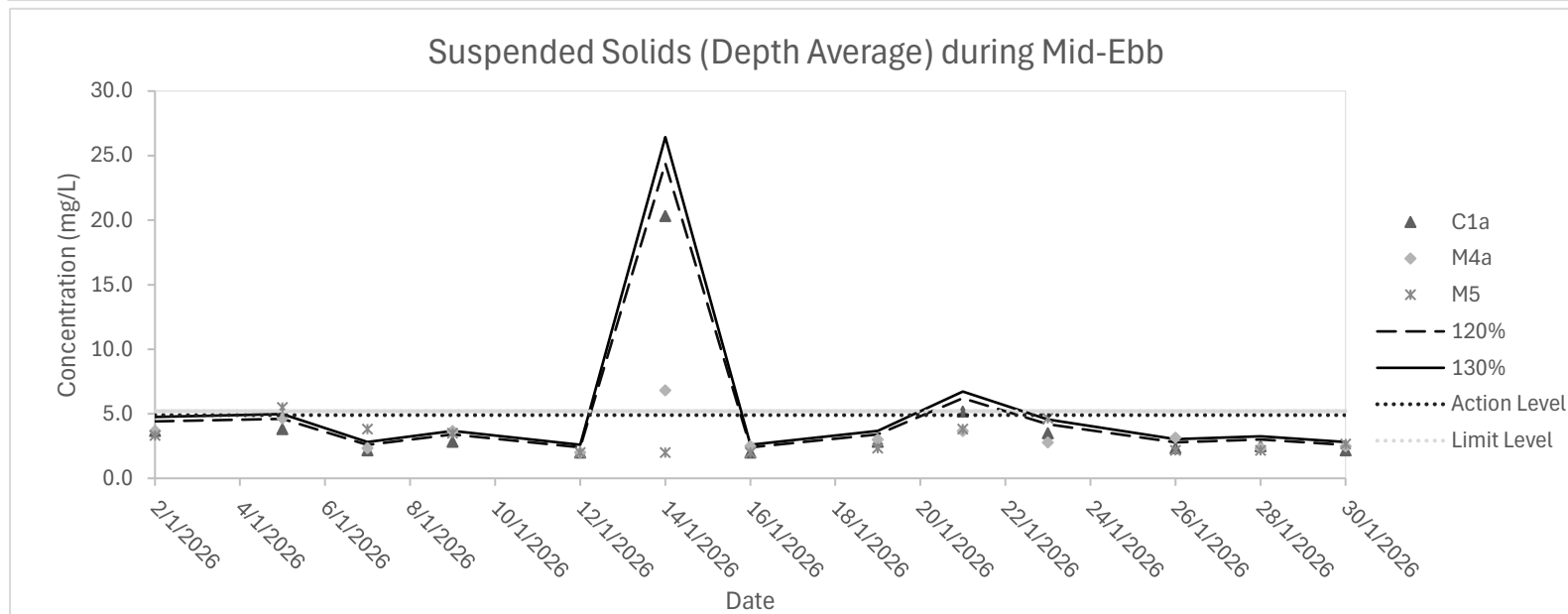
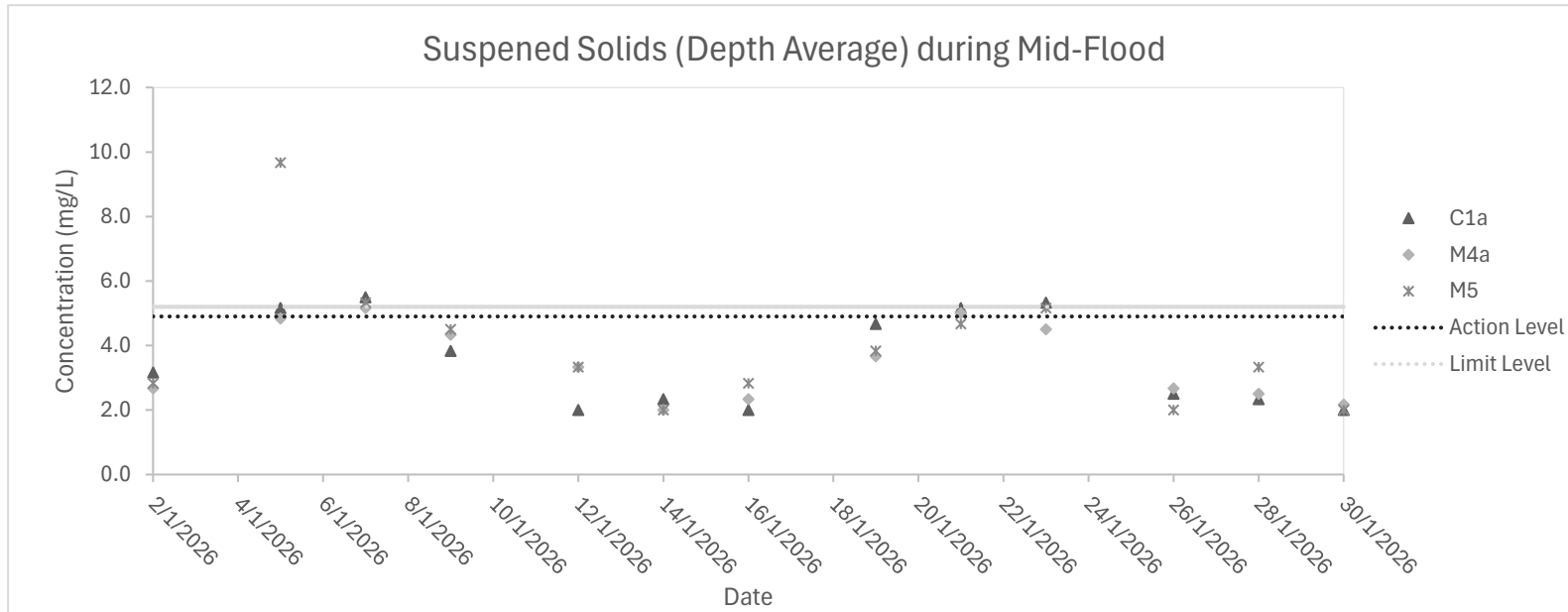
### Monitoring Stations: C1a, M4 and M5



**Monitoring Stations: C1a, M4 and M5**



## Monitoring Stations: C1a, M4 and M5



## **Appendix E5**

### **Event and Action Plan (Marine Water)**

## EVENT AND ACTION PLAN FOR WATER QUALITY

Event	ACTION			IEC
	ET Leader	Contractor	ER	
<p>Action level being exceeded by more than one consecutive sampling days</p>	<ol style="list-style-type: none"> <li>1. Identify source(s) of impact;</li> <li>2. Repeat in-situ measurement to confirm findings</li> <li>3. Notify Contractor in writing within 24 hours of identification</li> <li>4. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>5. Carry out investigation</li> <li>6. Report the results of investigation to the Contractor within 3 working days of identification of exceedance and advise contractor if exceedance is due to contractor's construction works</li> <li>7. Discuss mitigation measures with IEC and Contractor within 4 working of identification of an exceedance</li> <li>8. Ensure mitigation measures are implemented;</li> <li>9. Prepare to increase the monitoring frequency to daily;</li> <li>10. Repeat measurement on next day of exceedance.</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify IEC and ER in writing within 24 hours of identification of exceedance</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Submit the results of the investigation to IEC and ER within 3 working days of the identification of an exceedance</li> <li>6. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 4 working days of identification of an exceedance</li> <li>7. Implement the agreed mitigation measures within reasonable time scale</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify EPD and other relevant governmental agencies in writing within 24 hours of the identification of the exceedance</li> <li>2. Discuss with IEC, ET and Contractor on the proposed mitigation measures;</li> <li>3. Require contractor to propose remedial measures for the analysed problem if related to the construction works</li> <li>4. Ensure remedial measures are properly implemented</li> <li>5. Assess the effectiveness of the mitigation measure</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET</li> <li>2. Confirm ET assessment if exceedance is due / not due to the works</li> <li>3. Discuss with ET, ER and Contractor on the mitigation measures.</li> <li>4. Review contractor's mitigation measures whenever necessary to ensure their effectiveness and advise the ER accordingly</li> <li>5. Assess the effectiveness of the implemented mitigation measures.</li> </ol>

## EVENT AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE

Event	ACTION			
	ET Leader	Contractor	ER	IEC
Limit level being exceeded by one sampling day	<ol style="list-style-type: none"> <li>1. Repeat in-situ measurement to confirm findings;</li> <li>2. Identify source(s) of impact;</li> <li>3. Notify Contractor in writing within 24 hours of identification of the exceedance</li> <li>4. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>5. Carry out investigation</li> <li>6. Report the results of investigation to the Contractor within 3 working days of identification of exceedance and advise contractor if exceedance is due to contractor's construction works</li> <li>7. Discuss mitigation measures with IEC, ER and Contractor within 4 working of identification of an exceedance</li> <li>8. Ensure mitigation measures are implemented;</li> <li>9. Increase the monitoring frequency to daily until no exceedance of Limit Level.</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify IEC and ER in writing; within 24 hours of the identification of the exceedance</li> <li>2. Rectify unacceptable practice;</li> <li>3. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>5. Submit the results of the investigation to IEC and ER within 3 working days of the identification of an exceedance</li> <li>6. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 4 working days of the identification of an exceedance</li> <li>7. Implement the agreed mitigation measures within reasonable time scale</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify EPD and other relevant governmental agencies in writing within 24 hours of identification of exceedance</li> <li>2. Discuss with IEC, ET and Contractor on the proposed mitigation measures;</li> <li>3. Request Contractor to critically review the working methods;</li> <li>4. Ensure remedial measures are properly implemented</li> <li>5. Assess the effectiveness of the implemented mitigation measures.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET</li> <li>2. Confirm ET assessment if exceedance is due / not due to the works</li> <li>3. Discuss with ET, ER and Contractor on the mitigation measures.</li> <li>4. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly.</li> <li>5. Assess the effectiveness of the implemented mitigation measures</li> </ol>

## EVENT AND ACTION PLAN FOR WATER QUALITY EXCEEDANCE

Event	ACTION			
	ET Leader	Contractor	ER	IEC
Limit Level being exceeded by more than one consecutive sampling days	<ol style="list-style-type: none"> <li>1. Repeat in-situ measurement to confirm findings;</li> <li>2. Identify source(s) of impact;</li> <li>3. Notify Contractor in writing within 24 hours of identification of the exceedance</li> <li>4. Check monitoring data, all plant, equipment and Contractor's working methods;</li> <li>5. Carry out investigation</li> <li>6. Report the results of investigation to the Contractor within 3 working days of identification of exceedance and advise contractor if exceedance is due to contractor's construction works</li> <li>7. Discuss mitigation measures with IEC, ER and Contractor;</li> <li>8. Ensure mitigation measures are implemented;</li> <li>9. Increase the monitoring frequency to daily until no exceedance of Limit Level for two consecutive days.</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify ER and IEC in writing within 24 hours of the identification of the exceedance and Rectify unacceptable practice;</li> <li>2. Check all plant and equipment;</li> <li>4. Consider changes of working methods;</li> <li>8. Submit the results of the investigation to IEC and ER within 3 working days of the identification of an exceedance</li> <li>5. Discuss with ET, IEC and ER and propose mitigation measures to IEC and ER within 4 working days;</li> <li>6. Implement the agreed mitigation measures within reasonable time scale</li> <li>7. As directed by the Engineer, to slow down or to stop all or part of the marine work or construction activities.</li> </ol>	<ol style="list-style-type: none"> <li>1. Notify EPD and other relevant governmental agencies in writing within 24 hours of identification of exceedance</li> <li>2. Discuss with IEC, ET and Contractor on the proposed mitigation measures;</li> <li>3. Request Contractor to critically review the working methods;</li> <li>6. Ensure remedial measures are properly implemented</li> <li>4. Assess the effectiveness of the implemented mitigation measures;</li> <li>5. Consider and instruct, if necessary, the Contractor to slow down or to stop all or part of the marine work until no exceedance of Limit Level.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check monitoring data submitted by ET</li> <li>2. Confirm ET assessment if exceedance is due / not due to the works</li> <li>3. Discuss with ER, ET and Contractor on the mitigation measures.</li> <li>4. Review proposals on mitigation measures submitted by Contractor and advise the ER accordingly.</li> <li>5. Assess the effectiveness of the implemented mitigation measures.</li> </ol>

## **Appendix F**

### **Weather Condition**

**Daily Extract of Meteorological Observations, January 2026**

Day	Hong Kong Observatory							
	Mean Pressure (hPa)	Air Temperature			Mean Dew Point (deg. C)	Mean Relative Humidity (%)	Mean Amount of Cloud (%)	Total Rainfall (mm)
		Absolute Daily Max (deg. C)	Mean (deg. C)	Absolute Daily Min (deg. C)				
1	1017.9	21.7	18.8	16.5	12.9	69	43	0
2	1023.5	17.7	15	12.8	5.8	55	24	0
3	1024.7	16.5	14.3	11.4	6.5	60	18	0
4	1022.2	20.3	17	14.1	10.5	65	32	0
5	1020.9	22.1	18.3	15.1	10.8	63	6	0
6	1024.3	16.8	14	11.8	3.5	50	18	0
7	1025.3	16.4	13.4	10.9	-0.2	39	2	0
8	1024.9	18.1	14.9	11.8	-1.7	33	1	0
9	1022.8	18.9	15.7	13	2.3	42	12	0
10	1020.8	20.6	17.1	14.2	7.3	54	14	0
11	1023.1	20.7	17.5	14.7	3.4	41	2	0
12	1021.4	20.6	17.5	15.7	11.1	67	41	0
13	1018.7	22.5	18.9	15.9	10.8	61	6	0
14	1018.3	21.2	18.8	17	10.6	59	9	0
15	1016.5	23.1	19.2	16.2	13.7	72	22	1
16	1014.3	24	19.9	16.9	12	62	6	0
17	1013	24.8	20.7	17.6	10.6	54	7	0
18	1013.3	22.4	20.2	18.9	11.1	57	9	0
19	1014.8	21.9	19.6	18.1	15.2	76	20	0
20	1018.1	20.1	18.6	17.6	13.3	71	75	0
21	1021.8	18.1	15.7	14.9	8.7	63	90	0
22	1024.3	16.3	14.2	12.9	7.1	63	88	0
23	1024.6	17.5	14.5	12.3	7.8	64	87	0
24	1022.5	19.6	16.8	14.7	11.2	69	44	0
25	1020.9	20.1	18.2	16.6	13.4	74	63	0
26	1020.2	22.6	19.7	17.8	15.7	78	80	0
27	1019.6	24.8	21.1	18.9	16.7	76	72	Trace
28	1021.2	21.3	18.8	17.9	14.6	77	71	Trace
29	1020.8	19.9	18.2	16.8	12.6	70	78	0
30	1020.1	20.4	19.2	17.6	14.7	75	92	Trace
31	1020.8	19.6	18.2	16	15.5	85	97	2.2
Mean/Total	1020.5	20.3	17.5	15.4	9.9	63	40	3.2

Remark: Trace means rainfall less than 0.05 mm

## **Appendix G**

### **Environmental Site Inspection Checklist**

### Environmental Site Inspection Checklist – Tseung Kwan O Area 137 Fill Bank

**Inspection Date:** 7/1/26 **Inspected By:** Frankie Tong  
**Time:** 14:30 **Weather Condition:** Sunny  
**Participants:** Dennis Au Yenny, Y.P. Tong, H.L. Mok, Y.L. Wong, Simon Po, Huiyee

1	Fugitive Dust Emission	N/A	Yes	No	Remarks
1.1	Dust control / mitigation measures shall be provided to prevent dust nuisance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.2	Water sprays shall be provided and used to dampen materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.3	All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.4	Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.5	Unpaved areas should be watered regularly to avoid dust generation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.6	The designated site main haul road shall be paved or regular watering.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7	The haul road inside the site and public road around the site entrance should be kept clean and free from dust.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.8	Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.9	Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.10	The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.11	Vehicle and equipment should be switched off while not in use.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.12	All plant and equipment should be well maintained e.g. without black smoke emission.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.13	Open burning should be prohibited.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.14	Approval or exemption Non-road Mobile Machinery (NRMM) labels should be painted or securely fixed on regulated machines and non-road vehicles at a conspicuous position according to the Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation (APCO Cap.311).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2	Noise Impact	N/A	Yes	No	Remarks
2.1	The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.2	The constructions works should be scheduled to minimize noise nuisance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.3	Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.4	Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.5	Air compressors and hand held breakers should have noise labels.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.6	Compressors and generators should operate with door closed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2.7	Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.8	Noisy equipment and mobile plant shall always be site away from NSRs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>3</b>	<b>Water Quality</b>	<b>N/A</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
3.1	Drainage system and the sand / silt removal facilities should be adequate and well maintained to prevent flooding and overflow, especially after rain storms.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	The storm water intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.3	Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.4	The material shall be properly covered to prevent washed away especially before rainstorm.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.5	The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.6	Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.7	Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.8	A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.9	The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.10	Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.11	The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.12	Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.13	The barges shall be in right size such that adequate clearance is maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.14	All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.15	Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.16	Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

3.17	The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.18	A waste collection vessel shall be deployed to remove floating debris.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

4	Landscape and Visual	N/A	Yes	No	Remarks
4.1	The design of the fill bank and platform heights adopted should allow the fill bank to fill into the general topography of the surrounding land. Straight edged slopes should be avoided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.2	The maximum stockpiling height at the fill bank shall be limited to a maximum of +65.2mPD.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.3	Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.4	The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

5	Waste Management	N/A	Yes	No	Remarks
	<b><u>Construction Waste Management</u></b>				
5.1	Relevant license / permits for disposal of construction waste or excavated materials available for inspection.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.2	Excavated material to be generated from construction works to be re-used on-site as far as practicable to reduce off-site disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.3	Mud and debris should be removed from waterworks access roads and associated drainage systems.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.4	Provision of sufficient waste disposal points and regular collection for disposal. Appropriate measures should be employed to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.5	Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.6	Prior to disposal of C&D waste, recyclable materials should be salvaged for reuse (such as wood and metal) and inert waste utilized as public fill to minimize the quantity of waste to be disposed of to landfill.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.7	In order to monitor the disposal of C&D material and solid wastes at public filling areas and landfills, and to control fly-tipping, a trip-ticket system should be included as one of the contractual requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.8	Any soil contaminated with chemicals/oils shall be removed from site and the void created shall be filled with suitable materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
	<b><u>Chemical Waste Management</u></b>				
5.9	It is required to register as a chemical waste producer if chemical waste is produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations, in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.10	After use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Packaging, Labelling and Storage of Chemical Wastes.

5.11	Spent chemicals should be stored and collected by an approved operator for disposal at the Chemical Waste Treatment Facility or other licensed facility in accordance with the Chemical Waste (General) Regulation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.12	Chemical wastes should be separated for special handling and appropriate treatment at the Chemical Waste Treatment Facility.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.13	Chemical wastes including waste oil should be stored properly in designated areas, e.g. chemical waste storage area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.14	The designated chemical waste storage area should only be used for storing chemical wastes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.15	The set-up of chemical waste storage area should:				
	- Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
	- Be enclosed on at least 3 sides and securely closed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
	- Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
	- Have adequate ventilation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
	- Be covered to prevent rainfall entering (water collected within the bund must be tested and disposal as chemical waste if necessary).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
	- Be arranged so that incompatible materials are adequately separated.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.16	Warning panels should be displayed at the waste storage area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.17	Waste storage area should be cleaned and maintained regularly.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.18	Chemical waste should be transported regularly by a registered chemical waste collector to a facility licensed to receive chemical waste.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.19	All generators, fuel and oil storage should be within bunded areas.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.20	Oil leakage from machinery, vehicle and plant should be prevented.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.21	In the event of chemical waste / dangerous goods / chemicals spillage or leakage, the procedures as outlined in the Spillage Response Plan should be followed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.22	The dangerous goods / chemical spillage or leakage procedures (including equipment) should be in place.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<b><u>Good Site Practices</u></b>					
5.23	Nomination of approved personnel, such as site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.24	Training of site personnel in proper waste management and chemical handling procedures should be provided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.25	Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.26	Proper storage and site practices to minimize the potential for damage or contamination of construction materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.27	The Environmental Permit should be displayed conspicuously on site.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.28	Construction noise permits should be posted at site entrance or available for site inspection.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

5.29	Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.30	Chemical storage area provided with lock and located on sealed areas.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.31	All chemicals should be placed at the banded area with adequate band capacity (>110% of largest tank).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.32	Any unused chemicals or those with remaining functional capacity should be recycled.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.33	Regular cleaning and maintenance programme for waste storage area, drainage systems, silt traps, sumps and oil interceptors.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.34	To encourage collection of aluminium cans by individual collectors.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.35	Separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.36	A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be used, e.g. trip ticket system for chemical waste disposal. Quantities could be determined by weighing each load or other suitable methods.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.37	A collection area should be provided where waste can be stored and loaded prior to removal from site. An enclosed and covered area is preferred to reduce the occurrence of 'wind blown' light material. If an open area is unavoidable for the storage or loading/unloading of wastes, then the area should be banded and all the polluted surface run-off collected within this area should be diverted into wastewater treatment system.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<b>Follow up actions for pervious Site Audit:</b> N/A
<b>Observations</b> No defective work or observation was recorded during ET site inspection.
<b>Corrective Actions – Mitigation Measures Implemented or Proposed (if any):</b> N/A

**Signature:**  
CEDD's representative



Name: H.L. Mok  
Date: 07/01/2026

**Signature:**  
Contractor's representative



Name: W.L. Kwok  
Date: 07-01-2026

**Signature:**  
ET's representative



Name: Tony Chung Hung  
Date: 7/01/26

**Environmental Site Inspection Checklist – Tseung Kwan O Area 137 Fill Bank**

**Inspection Date:** 14/01/2026 **Inspected By:** Robson Ng  
**Time:** 14:30 **Weather Condition:** Cloudy  
**Participants:** Dennis Au Yung, Y.P. Tong, H.L. Mok, J.L. Huang, Simon Pa, Huiyee Kwok

1	Fugitive Dust Emission	N/A	Yes	No	Remarks
1.1	Dust control / mitigation measures shall be provided to prevent dust nuisance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.2	Water sprays shall be provided and used to dampen materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.3	All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.4	Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.5	Unpaved areas should be watered regularly to avoid dust generation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.6	The designated site main haul road shall be paved or regular watering.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7	The haul road inside the site and public road around the site entrance should be kept clean and free from dust.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.8	Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.9	Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.10	The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.11	Vehicle and equipment should be switched off while not in use.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.12	All plant and equipment should be well maintained e.g. without black smoke emission.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.13	Open burning should be prohibited.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.14	Approval or exemption Non-road Mobile Machinery (NRMM) labels should be painted or securely fixed on regulated machines and non-road vehicles at a conspicuous position according to the Air Pollution Control (Non-road Mobile Machinery)(Emission) Regulation (APCO Cap.311).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2	Noise Impact	N/A	Yes	No	Remarks
2.1	The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.2	The constructions works should be scheduled to minimize noise nuisance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.3	Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.4	Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.5	Air compressors and hand held breakers should have noise labels.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.6	Compressors and generators should operate with door closed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2.7	Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.8	Noisy equipment and mobile plant shall always be site away from NSRs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>3</b>	<b>Water Quality</b>	<b>N/A</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
3.1	Drainage system and the sand / silt removal facilities should be adequate and well maintained to prevent flooding and overflow, especially after rain storms.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	The storm water intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.3	Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.4	The material shall be properly covered to prevent washed away especially before rainstorm.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.5	The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.6	Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.7	Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.8	A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.9	The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.10	Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.11	The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.12	Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.13	The barges shall be in right size such that adequate clearance in maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.14	All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.15	Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.16	Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

3.17	The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.18	A waste collection vessel shall be deployed to remove floating debris.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<b>4</b>	<b>Landscape and Visual</b>	<b>N/A</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
4.1	The design of the fill bank and platform heights adopted should allow the fill bank to fill into the general topography of the surrounding land. Straight edged slopes should be avoided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4.2	The maximum stockpiling height at the fill bank shall be limited to a maximum of +65.2mPD.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.3	Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.4	The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>5</b>	<b>Waste Management</b>	<b>N/A</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
	<b><u>Construction Waste Management</u></b>				
5.1	Relevant license / permits for disposal of construction waste or excavated materials available for inspection.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.2	Excavated material to be generated from construction works to be re-used on-site as far as practicable to reduce off-site disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.3	Mud and debris should be removed from waterworks access roads and associated drainage systems.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.4	Provision of sufficient waste disposal points and regular collection for disposal. Appropriate measures should be employed to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.5	Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.6	Prior to disposal of C&D waste, recyclable materials should be salvaged for reuse (such as wood and metal) and inert waste utilized as public fill to minimize the quantity of waste to be disposed of to landfill.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.7	In order to monitor the disposal of C&D material and solid wastes at public filling areas and landfills, and to control fly-tipping, a trip-ticket system should be included as one of the contractual requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.8	Any soil contaminated with chemicals/oils shall be removed from site and the void created shall be filled with suitable materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
	<b><u>Chemical Waste Management</u></b>				
5.9	It is required to register as a chemical waste producer if chemical waste is produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations, in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.10	After use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Packaging, Labelling and Storage of Chemical Wastes.

- |      |  |                          |                                     |                          |  |
|------|--|--------------------------|-------------------------------------|--------------------------|--|
| 5.11 | Spent chemicals should be stored and collected by an approved operator for disposal at the Chemical Waste Treatment Facility or other licensed facility in accordance with the Chemical Waste (General) Regulation.    | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.12 | Chemical wastes should be separated for special handling and appropriate treatment at the Chemical Waste Treatment Facility.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.13 | Chemical wastes including waste oil should be stored properly in designated areas, e.g. chemical waste storage area.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.14 | The designated chemical waste storage area should only be used for storing chemical wastes.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.15 | The set-up of chemical waste storage area should:  |                          |                                     |                          |  |
|      | - Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Be enclosed on at least 3 sides and securely closed.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest.                 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Have adequate ventilation.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Be covered to prevent rainfall entering (water collected within the bund must be tested and disposal as chemical waste if necessary).  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Be arranged so that incompatible materials are adequately separated.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.16 | Warning panels should be displayed at the waste storage area.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.17 | Waste storage area should be cleaned and maintained regularly.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.18 | Chemical waste should be transported regularly by a registered chemical waste collector to a facility licensed to receive chemical waste.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.19 | All generators, fuel and oil storage should be within bund areas.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.20 | Oil leakage from machinery, vehicle and plant should be prevented.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.21 | In the event of chemical waste / dangerous goods/ chemicals spillage or leakage, the procedures as outlined in the Spillage Response Plan should be followed.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.22 | The dangerous goods / chemical spillage or leakage procedures (including equipment) should be in place.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | <b><u>Good Site Practices</u></b>  |                          |                                     |                          |  |
| 5.23 | Nomination of approved personnel, such as site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.24 | Training of site personnel in proper waste management and chemical handling procedures should be provided.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.25 | Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.26 | Proper storage and site practices to minimize the potential for damage or contamination of construction materials.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.27 | The Environmental Permit should be displayed conspicuously on site.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.28 | Construction noise permits should be posted at site entrance or available for site inspection.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |

5.29	Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.30	Chemical storage area provided with lock and located on sealed areas.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.31	All chemicals should be placed at the banded area with adequate band capacity (>110% of largest tank).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.32	Any unused chemicals or those with remaining functional capacity should be recycled.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.33	Regular cleaning and maintenance programme for waste storage area, drainage systems, silt traps, sumps and oil interceptors.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.34	To encourage collection of aluminium cans by individual collectors.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.35	Separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.36	A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be used, e.g. trip ticket system for chemical waste disposal. Quantities could be determined by weighing each load or other suitable methods.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5.37	A collection area should be provided where waste can be stored and loaded prior to removal from site. An enclosed and covered area is preferred to reduce the occurrence of 'wind blown' light material. If an open area is unavoidable for the storage or loading/unloading of wastes, then the area should be bunded and all the polluted surface run-off collected within this area should be diverted into wastewater treatment system.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

**Follow up actions for pervious Site Audit:** N/A

**Observations**

No defective work or observation was recorded during ET site inspection

**Corrective Actions – Mitigation Measures Implemented or Proposed (if any):** N/A

**Signature:**  
CEDD's representative



Name: KL Wong

Date: 14/1/2026

**Signature:**  
Contractor's representative



Name: W.L. Kwok

Date: 14/1/2026

**Signature:**  
ET's representative



Name: Robson Ng

Date: 14/1/26

**Environmental Site Inspection Checklist – Tseung Kwan O Area 137 Fill Bank**

**Inspection Date:** 21/1/26      **Inspected By:** Frankie Tong  
**Time:** 14:30      **Weather Condition:** Cloudy  
**Participants:** Dennis Au Tong, YP Tong, HL Mok, Y.L. Wong, Sam P, Hedy Lau

1	Fugitive Dust Emission	N/A	Yes	No	Remarks
1.1	Dust control / mitigation measures shall be provided to prevent dust nuisance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.2	Water sprays shall be provided and used to dampen materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.3	All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.4	Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.5	Unpaved areas should be watered regularly to avoid dust generation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.6	The designated site main haul road shall be paved or regular watering.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7	The haul road inside the site and public road around the site entrance should be kept clean and free from dust.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.8	Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.9	Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.10	The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.11	Vehicle and equipment should be switched off while not in use.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.12	All plant and equipment should be well maintained e.g. without black smoke emission.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.13	Open burning should be prohibited.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.14	Approval or exemption Non-road Mobile Machinery (NRMM) labels should be painted or securely fixed on regulated machines and non-road vehicles at a conspicuous position according to the Air Pollution Control (Non-road Mobile Machinery)(Emission) Regulation (APCO Cap.311).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2	Noise Impact	N/A	Yes	No	Remarks
2.1	The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.2	The constructions works should be scheduled to minimize noise nuisance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.3	Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.4	Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.5	Air compressors and hand held breakers should have noise labels.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.6	Compressors and generators should operate with door closed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2.7	Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.8	Noisy equipment and mobile plant shall always be site away from NSRs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>3</b>	<b>Water Quality</b>	<b>N/A</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
3.1	Drainage system and the sand / silt removal facilities should be adequate and well maintained to prevent flooding and overflow, especially after rain storms.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	The storm water intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.3	Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.4	The material shall be properly covered to prevent washed away especially before rainstorm.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.5	The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.6	Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.7	Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.8	A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.9	The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.10	Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.11	The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.12	Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.13	The barges shall be in right size such that adequate clearance in maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.14	All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.15	Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.16	Adequate environmental control measures shall be provided to prevent/ avoid dropping of fill material into the sea during the transfer.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

3.17	The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.18	A waste collection vessel shall be deployed to remove floating debris.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

4	Landscape and Visual	N/A	Yes	No	Remarks
4.1	The design of the fill bank and platform heights adopted should allow the fill bank to fill into the general topography of the surrounding land. Straight edged slopes should be avoided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.2	The maximum stockpiling height at the fill bank shall be limited to a maximum of +65.2mPD.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.3	Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.4	The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

5	Waste Management	N/A	Yes	No	Remarks
<b><u>Construction Waste Management</u></b>					
5.1	Relevant license / permits for disposal of construction waste or excavated materials available for inspection.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.2	Excavated material to be generated from construction works to be re-used on-site as far as practicable to reduce off-site disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.3	Mud and debris should be removed from waterworks access roads and associated drainage systems.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.4	Provision of sufficient waste disposal points and regular collection for disposal. Appropriate measures should be employed to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.5	Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.6	Prior to disposal of C&D waste, recyclable materials should be salvaged for reuse (such as wood and metal) and inert waste utilized as public fill to minimize the quantity of waste to be disposed of to landfill.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.7	In order to monitor the disposal of C&D material and solid wastes at public filling areas and landfills, and to control fly-tipping, a trip-ticket system should be included as one of the contractual requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.8	Any soil contaminated with chemicals/oils shall be removed from site and the void created shall be filled with suitable materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<b><u>Chemical Waste Management</u></b>					
5.9	It is required to register as a chemical waste producer if chemical waste is produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations, in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.10	After use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Packaging, Labelling and Storage of Chemical Wastes.

- |      |  |                          |                                     |                          |  |
|------|--|--------------------------|-------------------------------------|--------------------------|--|
| 5.11 | Spent chemicals should be stored and collected by an approved operator for disposal at the Chemical Waste Treatment Facility or other licensed facility in accordance with the Chemical Waste (General) Regulation.    | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.12 | Chemical wastes should be separated for special handling and appropriate treatment at the Chemical Waste Treatment Facility.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.13 | Chemical wastes including waste oil should be stored properly in designated areas, e.g. chemical waste storage area.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.14 | The designated chemical waste storage area should only be used for storing chemical wastes.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.15 | The set-up of chemical waste storage area should:  |                          |                                     |                          |  |
|      | - Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Be enclosed on at least 3 sides and securely closed.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest.                 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Have adequate ventilation.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Be covered to prevent rainfall entering (water collected within the bund must be tested and disposal as chemical waste if necessary).  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Be arranged so that incompatible materials are adequately separated.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.16 | Warning panels should be displayed at the waste storage area.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.17 | Waste storage area should be cleaned and maintained regularly.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.18 | Chemical waste should be transported regularly by a registered chemical waste collector to a facility licensed to receive chemical waste.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.19 | All generators, fuel and oil storage should be within bund areas.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.20 | Oil leakage from machinery, vehicle and plant should be prevented.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.21 | In the event of chemical waste / dangerous goods/ chemicals spillage or leakage, the procedures as outlined in the Spillage Response Plan should be followed.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.22 | The dangerous goods / chemical spillage or leakage procedures (including equipment) should be in place.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | <b><u>Good Site Practices</u></b>  |                          |                                     |                          |  |
| 5.23 | Nomination of approved personnel, such as site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.24 | Training of site personnel in proper waste management and chemical handling procedures should be provided.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.25 | Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.26 | Proper storage and site practices to minimize the potential for damage or contamination of construction materials.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.27 | The Environmental Permit should be displayed conspicuously on site.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.28 | Construction noise permits should be posted at site entrance or available for site inspection.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |

- |      |   |                          |                                     |                          |       |
|------|---|--------------------------|-------------------------------------|--------------------------|-------|
| 5.29 | Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |       |
| 5.30 | Chemical storage area provided with lock and located on sealed areas.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.31 | All chemicals should be placed at the banded area with adequate band capacity (>110% of largest tank).  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.32 | Any unused chemicals or those with remaining functional capacity should be recycled.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.33 | Regular cleaning and maintenance programme for waste storage area, drainage systems, silt traps, sumps and oil interceptors.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.34 | To encourage collection of aluminium cans by individual collectors.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.35 | Separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.36 | A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be used, e.g. trip ticket system for chemical waste disposal. Quantities could be determined by weighing each load or other suitable methods.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.37 | A collection area should be provided where waste can be stored and loaded prior to removal from site. An enclosed and covered area is preferred to reduce the occurrence of 'wind blown' light material. If an open area is unavoidable for the storage or loading/unloading of wastes, then the area should be bunded and all the polluted surface run-off collected within this area should be diverted into wastewater treatment system. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

Follow up actions for pervious Site Audit: N/A

Observations No defective work or observation was recorded during ET site inspection.

Corrective Actions – Mitigation Measures Implemented or Proposed (if any): N/A

Signature:  
CEDD's representative



Name: H.L. Mok  
Date: 21/01/2026

Signature:  
Contractor's representative



Name: W.L. Kwok  
Date: 21-01-2026

Signature:  
ET's representative



Name: Tang Chung Hong  
Date: 21-1-2026

**Environmental Site Inspection Checklist – Tseung Kwan O Area 137 Fill Bank**

Inspection Date: 29/1/26 Inspected By: Francis Tung  
 Time: 14:30 Weather Condition: Cloudy  
 Participants: Dennis Au Yung, Y.P. Tong, H.L. Mok, Y.L. Wong, Simon P, Haley Kwok

1	Fugitive Dust Emission	N/A	Yes	No	Remarks
1.1	Dust control / mitigation measures shall be provided to prevent dust nuisance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.2	Water sprays shall be provided and used to dampen materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.3	All stockpile of aggregate or spoil should be enclosed or covered and water applied in dry or windy condition.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.4	Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.5	Unpaved areas should be watered regularly to avoid dust generation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.6	The designated site main haul road shall be paved or regular watering.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.7	The haul road inside the site and public road around the site entrance should be kept clean and free from dust.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.8	Wheel washing facilities including high-pressure water jet shall be provided at the entrance of work site.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.9	Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.10	The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.11	Vehicle and equipment should be switched off while not in use.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.12	All plant and equipment should be well maintained e.g. without black smoke emission.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.13	Open burning should be prohibited.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
1.14	Approval or exemption Non-road Mobile Machinery (NRMM) labels should be painted or securely fixed on regulated machines and non-road vehicles at a conspicuous position according to the Air Pollution Control (Non-road Mobile Machinery)(Emission) Regulation (APCO Cap.311).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2	Noise Impact	N/A	Yes	No	Remarks
2.1	The approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.2	The constructions works should be scheduled to minimize noise nuisance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.3	Only well maintained plant should be operated on-site and plant should be serviced regularly during the construction works.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.4	Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.5	Air compressors and hand held breakers should have noise labels.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.6	Compressors and generators should operate with door closed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

2.7	Machines and plants that may be in intermittent use should be shut down between work periods or should be throttled down to a minimum.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2.8	Noisy equipment and mobile plant shall always be site away from NSRs.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>3</b>	<b>Water Quality</b>	<b>N/A</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
3.1	Drainage system and the sand / silt removal facilities should be adequate and well maintained to prevent flooding and overflow, especially after rain storms.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.2	The storm water intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.3	Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.4	The material shall be properly covered to prevent washed away especially before rainstorm.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.5	The temporary slope surfaces shall be covered with impermeable sheet or sprayed with water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.6	Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.7	Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.8	A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.9	The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.10	Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.11	The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.12	Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.13	The barges shall be in right size such that adequate clearance in maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.14	All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.15	Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3.16	Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

3.17	The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
3.18	A waste collection vessel shall be deployed to remove floating debris.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
<b>4</b>	<b>Landscape and Visual</b>	<b>N/A</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
4.1	The design of the fill bank and platform heights adopted should allow the fill bank to fill into the general topography of the surrounding land. Straight edged slopes should be avoided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.2	The maximum stockpiling height at the fill bank shall be limited to a maximum of +65.2mPD.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.3	Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
4.4	The barging point and the C&DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
<b>5</b>	<b>Waste Management</b>	<b>N/A</b>	<b>Yes</b>	<b>No</b>	<b>Remarks</b>
	<b><u>Construction Waste Management</u></b>				
5.1	Relevant license / permits for disposal of construction waste or excavated materials available for inspection.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.2	Excavated material to be generated from construction works to be re-used on-site as far as practicable to reduce off-site disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.3	Mud and debris should be removed from waterworks access roads and associated drainage systems.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.4	Provision of sufficient waste disposal points and regular collection for disposal. Appropriate measures should be employed to minimize windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.5	Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.6	Prior to disposal of C&D waste, recyclable materials should be salvaged for reuse (such as wood and metal) and inert waste utilized as public fill to minimize the quantity of waste to be disposed of to landfill.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.7	In order to monitor the disposal of C&D material and solid wastes at public filling areas and landfills, and to control fly-tipping, a trip-ticket system should be included as one of the contractual requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.8	Any soil contaminated with chemicals/oils shall be removed from site and the void created shall be filled with suitable materials.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
	<b><u>Chemical Waste Management</u></b>				
5.9	It is required to register as a chemical waste producer if chemical waste is produced from the construction activities. The Waste Disposal Ordinance (Cap 354) and its subsidiary regulations, in particular the Waste Disposal (Chemical Waste) (General) Regulation should be observed and complied with for control of chemical wastes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
5.10	After use, chemical wastes (e.g. cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____

Packaging, Labelling and Storage of Chemical Wastes.

- |      |  |                          |                                     |                          |  |
|------|--|--------------------------|-------------------------------------|--------------------------|--|
| 5.11 | Spent chemicals should be stored and collected by an approved operator for disposal at the Chemical Waste Treatment Facility or other licensed facility in accordance with the Chemical Waste (General) Regulation.    | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.12 | Chemical wastes should be separated for special handling and appropriate treatment at the Chemical Waste Treatment Facility.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.13 | Chemical wastes including waste oil should be stored properly in designated areas, e.g. chemical waste storage area.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.14 | The designated chemical waste storage area should only be used for storing chemical wastes.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.15 | The set-up of chemical waste storage area should:  |                          |                                     |                          |  |
|      | - Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Be enclosed on at least 3 sides and securely closed.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest.                 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Have adequate ventilation.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Be covered to prevent rainfall entering (water collected within the bund must be tested and disposal as chemical waste if necessary).  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | - Be arranged so that incompatible materials are adequately separated.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.16 | Warning panels should be displayed at the waste storage area.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.17 | Waste storage area should be cleaned and maintained regularly.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.18 | Chemical waste should be transported regularly by a registered chemical waste collector to a facility licensed to receive chemical waste.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.19 | All generators, fuel and oil storage should be within bund areas.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.20 | Oil leakage from machinery, vehicle and plant should be prevented.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.21 | In the event of chemical waste / dangerous goods / chemicals spillage or leakage, the procedures as outlined in the Spillage Response Plan should be followed.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.22 | The dangerous goods / chemical spillage or leakage procedures (including equipment) should be in place.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
|      | <b><u>Good Site Practices</u></b>  |                          |                                     |                          |  |
| 5.23 | Nomination of approved personnel, such as site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.24 | Training of site personnel in proper waste management and chemical handling procedures should be provided.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.25 | Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.26 | Proper storage and site practices to minimize the potential for damage or contamination of construction materials.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.27 | The Environmental Permit should be displayed conspicuously on site.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |
| 5.28 | Construction noise permits should be posted at site entrance or available for site inspection.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |  |

- |      |   |                          |                                     |                          |       |
|------|---|--------------------------|-------------------------------------|--------------------------|-------|
| 5.29 | Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |       |
| 5.30 | Chemical storage area provided with lock and located on sealed areas.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.31 | All chemicals should be placed at the banded area with adequate band capacity (>110% of largest tank).  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.32 | Any unused chemicals or those with remaining functional capacity should be recycled.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.33 | Regular cleaning and maintenance programme for waste storage area, drainage systems, silt traps, sumps and oil interceptors.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.34 | To encourage collection of aluminium cans by individual collectors.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.35 | Separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce.   | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.36 | A recording system for the amount of wastes generated, recycled and disposed (including the disposal sites) should be used, e.g. trip ticket system for chemical waste disposal. Quantities could be determined by weighing each load or other suitable methods.  | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |
| 5.37 | A collection area should be provided where waste can be stored and loaded prior to removal from site. An enclosed and covered area is preferred to reduce the occurrence of 'wind blown' light material. If an open area is unavoidable for the storage or loading/unloading of wastes, then the area should be bunded and all the polluted surface run-off collected within this area should be diverted into wastewater treatment system. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | _____ |

**Follow up actions for pervious Site Audit:** N/A

**Observations**

No defective work or observation was recorded during ET site inspection.

**Corrective Actions – Mitigation Measures Implemented or Proposed (if any):** N/A

**Signature:**  
CEDD's representative



Name: H.L. Mok

Date: 29 / 01 / 2026

**Signature:**  
Contractor's representative



Name: W.L. Kwok

Date: 29.01.2026

**Signature:**  
ET's representative



Name: Tony Chy Hung

Date: 29 / 1 / 26

## **Appendix H**

### **Waste Flow Table**

### Monthly Summary Waste Flow Table for 2026

Month	Actual Quantities of Inert C&D Materials Generated Monthly						Actual Quantities of C&D Wastes Generated Monthly				
	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper/ cardboard packaging	Plastics (see Note 3)	Chemical Waste	Others, e.g. general refuse
	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000m <sup>3</sup> )	(in '000 kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
Jan	0	0	0	0	0	0	237.28	0	0	0	181.55
Feb											
Mar											
Apr											
May											
Jun											
Sub-total											
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											
Total											

- Notes:
- (1) The performance targets are given in PS Clause 1.108(14).
  - (2) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
  - (3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material
  - (4) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the works is equal to or exceeding 50,000 m<sup>3</sup>.

## **Appendix I**

### **Environmental Licenses and Permits**

Item No.	Nature of Permit / License / Notification	Permit / License /Notification No.	Date of Expiry of Permit / License	Remark (Validity for reporting period only)
1	Environmental Permit (TKO)	EP 134 2002 R	NA	NA
2	Billing Account for Disposal of Construction Waste	7051970	NA	NA
3	Notification Pursuant to Section 3(3) of the Air Pollution Control (Construction Dust) Regulations TKO137	10007977	NA	NA
4	Chemical Waste Registration TKO 137	5213-839-C3750-05	NA	NA
5	Discharge License (TKO)	WT00041169-2022	30 June 2027	NA
6	Construction Noise Permit	NA	NA	NA
7	Dumping at Sea Ordinance (DASO)	EP/MD/26-048	1 January 2026 - 31 March 2026	NA

## **Appendix J**

### **Implementation Schedule for Environmental Mitigation Measures (EMIS)**

## Environmental Mitigation Implementation Schedule

Environmental Protection Measures	Location	Implementation Status			
		Implemented	Partially implemented	Not implemented	Not Applicable
<b>Air Quality</b>					
▪ Dust control / mitigation measures shall be provided to prevent dust nuisance.	All areas	√			
▪ A buffer zone of at least 100m shall be maintained between the edge of the stockpiling area and the nearest ASRs at the TKO Industrial Estate. Within the buffer zone, no dusty material shall be stockpiled and no loading / unloading and similar activities should be allowed.	Northern Site Boundary	√			
▪ Water sprays shall be provided and used to dampen materials.	All areas	√			
▪ Regular cleaning and watering the site shall be provided to minimize the fugitive dust emissions.	All areas	√			
▪ All vehicles shall be restrict to a maximum speed of 10 km per hour.	All areas	√			
▪ Any vehicle with open load carrying area used for moving materials which has the potential to create dust shall have properly fitting side and tail boards. Material having the potential to create dust shall not be loaded to a level higher than the side and tail boards, and shall be covered by a clean tarpaulin.	Site Egress	√			
▪ The designated site main haul rout shall be paved or regular watering.	All haul roads	√			
▪ Frequent watering of work site shall be at least three times per day.	All areas	√			
▪ Wheel washing facilities including high pressure water jet shall be provided at the entrance of work site.	Site Egress	√			
▪ Every vehicle shall be washed to remove any dusty materials from its body and wheels before leaving the fill bank.	Site Egress	√			
▪ The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.	All areas	√			
▪ Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.	All areas	√			
▪ When fill material is transfer by belt conveyor systems, the conveyors shall be enclosed on top and 2 sides.	C&DMSF	√			
▪ The belt scraper shall be equipped with bottom plates or other similar means to prevent falling of material from the return belt.	C&DMFS	√			
▪ The level of stockpiling belt conveyor shall be adjustable such that the vertical distance between the belt conveyor and the material landing point is maintained at no more than 1m.	C&DMFS	√			
▪ All plant and equipment should be well maintained e.g. without black smoke emission.	All areas	√			
▪ Approval or exemption Non-road Mobile Machinery (NRMM) labels should be painted or securely fixed on regulated machines and non-road vehicles at a conspicuous position according to the Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation (APCO Cap.311).	All areas	√			
<b>Noise Impact</b>					
▪ Approved method of working, equipment and sound-reducing measures (e.g. use of silenced type of equipment, etc.) shall be adapted.	All areas	√			
▪ Only well maintained plant should be operated on-site and plant should be serviced regularly during the site works.	All areas	√			
▪ Powered mechanical equipment (PME) should be covered or shielded by appropriate acoustic materials.	All areas	√			
▪ Air compressors and hand held breakers should have noise labels.	All areas	√			
▪ Machines and plants that may be in intermittent use should be shut down between work months or should be throttled down to a minimum.	All areas	√			
▪ Noisy equipment and mobile plant shall always be site away from NSRs.	All areas	√			

Environmental Protection Measures	Location	Implementation Status			
		Implemented	Partially implemented	Not implemented	Not Applicable
<b>Water Quality</b>					
<ul style="list-style-type: none"> <li>Drainage system should be adequate and well maintained to prevent flooding and overflow, especially after rain storms.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>The permanent drainage channels should have sediment basin, traps and baffles and maintain properly.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>Temporary intercepting drains should be used at the stockpiling area to divert polluted stormwater to the intercepting channels. Earth bunds and sand bay barriers shall be used to assist the diversion of polluted stormwater to the intercepting channels.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>Manholes should be covered and sealed.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>Unnecessary water retained in receptacles and standing water should be avoided to prevent mosquito breeding.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>A buffer distance of at least 100m shall be maintained between the boundary of the public fill stockpiling area and the sea front.</li> </ul>	Public fill stockpiling area	√			
<ul style="list-style-type: none"> <li>A buffer distance of at least 20m shall be maintained between the boundary of the C&amp;DMFS and the seafront.</li> </ul>	C&DMFS	√			
<ul style="list-style-type: none"> <li>The stormwater intercepting system shall be effective to collect of runoff and remove suspended solids before discharge.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>The temporary slope surfaces, especially those facing to the north of the site shall be covered with impermeable sheet or sprayed with water or protected by other method approved by CEDD.</li> </ul>	Temporary Slopes	√			
<ul style="list-style-type: none"> <li>Final slope surfaces, especially those facing to the north of the site shall be treated by compaction, followed by hydroseeding, vegetation planting or sealing with shotconcrete, latex, vinyl, bitumen, or other suitable surface stabilizer approved by CEDD.</li> </ul>	Temporary Slopes	√			
<ul style="list-style-type: none"> <li>Existing and newly constructed Catchpits, sand and silt removal facilities and intercepting channels shall be maintained, and the deposited silt and grit shall be removed weekly and on a need basis especially at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>A wheel washing bay shall be provided at the site exit and wash-water shall have sand and silt settled out or removed before being discharged into storm drains.</li> </ul>	Wheel Washing facility	√			
<ul style="list-style-type: none"> <li>The section of construction road between wheel washing bay and the public road shall be paved with concrete, bituminous materials or hardcores to reduce vehicle tracking of soil and to prevent site run-off from entering public road drains.</li> </ul>	Wheel Washing facility	√			
<ul style="list-style-type: none"> <li>Sewage from toilets shall be discharged in to a foul sewer, or chemical toilets shall be provided. The chemical toilets (if use) shall be provided by a licensed contractor, who will be responsible for disposal and maintenance of these facilities.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>Oil intercept in addition of sand / silt removal facilities shall be provided at the car parking areas and work shop.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>Tipping halls enclosed with top and 3-side to prevent spillage of material into marine water.</li> </ul>	Barge Handling Area (BHA)	√			
<ul style="list-style-type: none"> <li>The barges shall be in right size such that adequate clearance in maintained between the vessels and the seabed at all states of the tide to ensure the undue turbidity is not generated by turbulence from vessel movement or propeller wash.</li> </ul>	Barge Handling Area (BHA)	√			
<ul style="list-style-type: none"> <li>All vessels used for transportation of fill material shall have tight fitting seals to their bottom openings to prevent leakage of material during transport.</li> </ul>	Barge Handling Area (BHA)	√			
<ul style="list-style-type: none"> <li>Adequate environmental control measures shall be provided to prevent / avoid dropping of fill material into the sea during the transfer.</li> </ul>	Along the seafront	√			
<ul style="list-style-type: none"> <li>Barges shall not be filled to a level which may cause the overflow of material during loading or transportation. Barge effluents shall be properly collected and treated before disposal.</li> </ul>	Barge Handling Area (BHA)	√			

Environmental Protection Measures	Location	Implementation Status			
		Implemented	Partially implemented	Not implemented	Not Applicable
<ul style="list-style-type: none"> <li>The work activities shall not cause any visible foam, oil, grease, scum, litter or other objectionable matters to be present on the water in the vicinity of the barging facilities.</li> </ul>	Along the seafront	√			
<ul style="list-style-type: none"> <li>Existing silt curtain at the outward side of the basin near the Barging Handling Area throughout the period shall be repair, maintain and service when there is public fill intake by barges to the Fill Bank in accordance with PS Clause 1.68. The total length of the silt curtains shall not be less than 160m, and a gap of about 80m shall be left open for access of barges. The silt curtain shall be properly maintained such that it can also serve the function of refuse containment boom to confine floating refuse.</li> </ul>	Along the seafront	√			
<ul style="list-style-type: none"> <li>A waste collection vessel shall be deployed to remove floating debris.</li> </ul>	Along the seafront	√			
<b>Landscaping and Visual</b>					
<ul style="list-style-type: none"> <li>The design of the fill bank and platform heights adopted should allow the fill bank to fit into the general topography of the surrounding land. Straight edged slopes should be avoided.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>The maximum stockpiling height at the fill bank shall be limited to a maximum of +35.2mPD.</li> </ul>	Completed slopes	√			
<ul style="list-style-type: none"> <li>Surface of outer slopes of the fill bank shall preferably be hydroseeded or covered with geo-textile matting of appropriate colour (e.g. dark green / brown) once completed.</li> </ul>	Site boundary	√			
<ul style="list-style-type: none"> <li>The barging point and the C&amp;DMSF at the fill bank shall not be in operation from 07:00 pm to 08:00 am daily to avoid potential visual impact from glare.</li> </ul>	All areas	√			
<b>Other Environmental Factors</b>					
<ul style="list-style-type: none"> <li>C&amp;D waste sorted from mixed C&amp;D material shall be transfer to SENT landfill for disposal.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>Plan and stock construction materials carefully to minimise generation of waste.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>Any unused materials or those with remaining functional capacity should be recycled.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>All generators, fuel and oil storage are within bunded areas.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>Oil leakage from machinery, vehicle and plant is prevented.</li> </ul>	All areas				
<ul style="list-style-type: none"> <li>The Environmental Permit should be displaced conspicuously on site.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>Good site practices should be adopted to clean the rubbish and litter on a regular basis so as to prevent the rubbish and litter from dropping into the nearby environment.</li> </ul>	All areas	√			
<ul style="list-style-type: none"> <li>To encourage collection of aluminium cans by individual collectors, separate labelled bins should be provided to segregate this waste from other general refuse generated by the workforce.</li> </ul>	All areas	√			

## **Appendix K**

### **Environmental Site Inspection Schedule**



Feb-26

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
	11:45 - 13:45 (E) 17:30 - 19:30 (F)		Weekly SI (pm) 13:15 - 15:15 (E) 18:30 - 20:30 (F)	1-hr TSP x 3 24-hr TSP	08:00 - 10:00 (F) 14:30 - 16:30 (E)	
8	9	10	11	12	13	14
	NM 09:00 - 11:00 (F) 17:00 - 19:00 (E)		1-hr TSP x 3 24-hr TSP Weekly SI (pm) 11:00 - 13:00 (F) 18:30 - 20:30 (E)		13:00 - 15:00 (F) 18:30 - 20:30 (E)*	
15	16	17	18	19	20	21
	1-hr TSP x 3 24-hr TSP Weekly SI (pm) 11:15 - 13:15 (E) 16:00 - 18:00 (F)				07:30 - 09:30 (F) 13:30 - 15:30 (E)	1-hr TSP x 3 24-hr TSP
22	23	24	25	26	27	28
	09:15 - 11:15 (F) 15:30 - 17:30 (E)		Weekly SI (pm) 10:00 - 12:00 (F) 18:00 - 20:00 (E)		1-hr TSP x 3 24-hr TSP 10:00 - 12:00 (F) 18:30 - 20:30 (E)*	

(\*) Due to the safety concern, the time period of marine water monitoring is adjusted.

## **Appendix L**

### **Investigation Reports**

**Report No.** IR-WQ001-TKO  
**Monitoring Date** 02 January 2026

**Suspended Solid (in mg/L)**

Monitoring Station	Tide	Sampling Time	Result (Depth-Average)	Action Level	Limit Level	Level Exceedance
TKO-M4	Ebb	11:55 – 12:10	6.7 mg/L	4.4 mg/L	4.8 mg/L	Limit

**Investigation Results:**

a) Causes of exceedances

Exceedance was not due to site activities under Contract No. CV/2023/10 because:

- According to the Hong Kong Tidal Stream Prediction System from Hong Kong Hydrographic Office as shown in below figure, TKO-C1a, TKO-M4a, TKO-M5 and TKO-M4 is in downstream of the barging point while TKO-C1 is in upstream of the barging point during ebb tide on 02/01/2026. No SS exceedance at TKO-C1a, TKO-M4a and TKO-M5 were recorded. Thus, the exceedance of water samples taken at TKO-M4 during ebb tide on 02/01/2026 was not considered as project related.
- Additionally, as seen in the picture below, no soil loss from the site boundary to the sea was noticed during the monitoring period. Thus, the exceedance of water samples taken at TKO-M4 during ebb tide on 02/01/2026 was not considered as project related.

b) Action taken under the action plan

1. After considered the above-mentioned investigation results, it appears that it was unlikely that the suspended solids exceedance was attributed to the work site of this Contract;
2. Since suspended solids were not measured in situ, the parameter is considered inapplicable because the laboratory results were acquired outside of the specified in situ monitoring period;
3. Monitoring data, all plants, equipment and Contractor’s working methods were checked;
4. Mitigation measures and recommendations were provided in item c).
5. The next marine water quality monitoring was performed on 05/01/2026

c) ET’s conclusions and recommendations for mitigation

- All relevant water quality mitigation measures were checked to be fully implemented.
- The Contractor was reminded to ensure the transfer of fill material from barges shall be conducted using well-designed, enclosed systems

d) Contractor’s actions to implement the mitigation

- To keep an adequate buffer zone between stockpiling areas and the seafront.

### Monitoring Photos

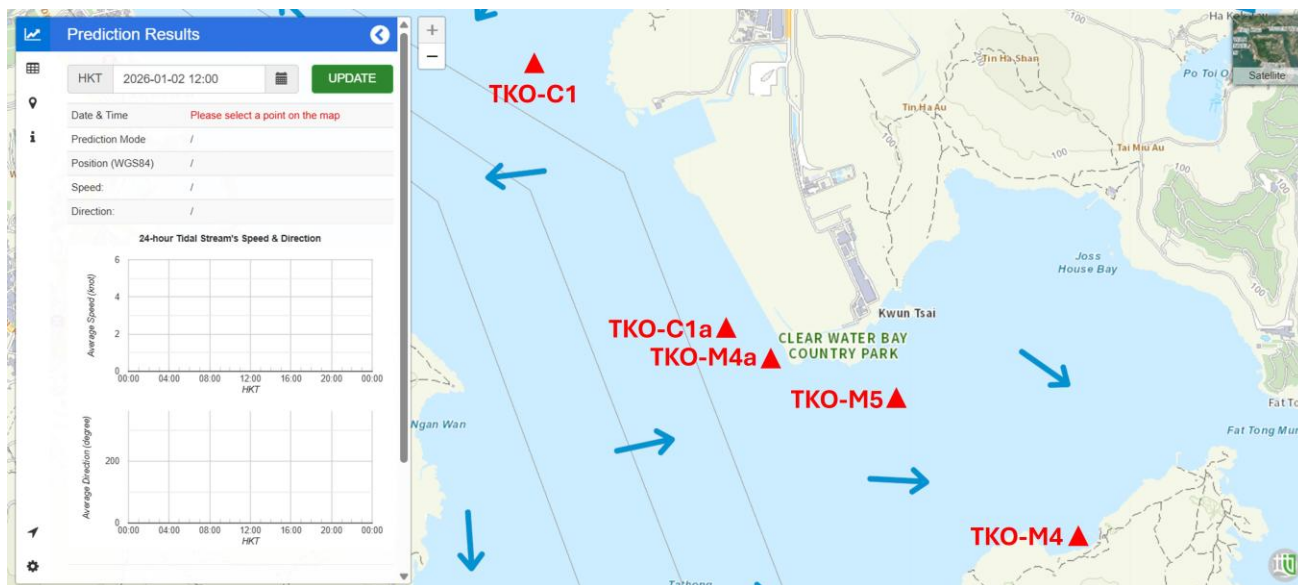




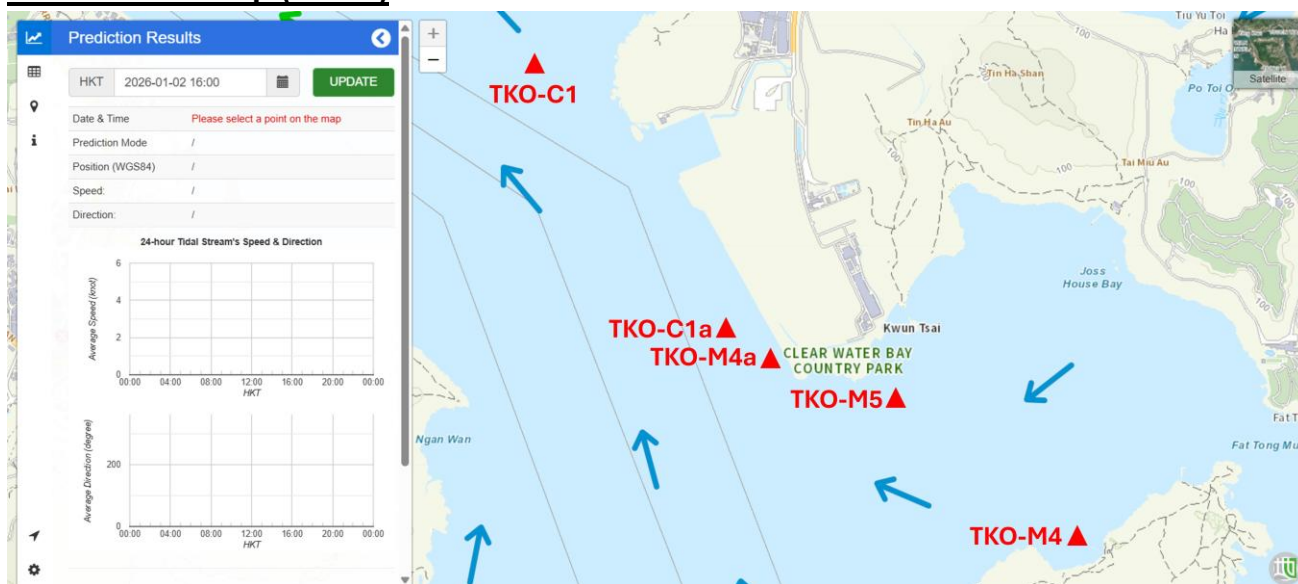
**Site Photos**



### Tidal Stream Map (Ebb)



### Tidal Stream Map (Flood)



**Report No.** IR-WQ002-TKO  
**Monitoring Date** 05 January 2026

### Suspended Solid (in mg/L)

Monitoring Station	Tide	Sampling Time	Result (Depth-Average)	Action Level	Limit Level	Level Exceedance
TKO-C1a	Flood	08:30 – 08:45	5.2 mg/L	4.9 mg/L	5.2 mg/L	Action
TKO-M5	Flood	09:00 – 09:15	9.7 mg/L	4.9 mg/L	5.2 mg/L	Limit
TKO-M5	Ebb	13:45 - 14:00	5.5 mg/L	4.6 mg/L	5.0 mg/L	Limit

### Investigation Results:

a) Causes of exceedances

Exceedance was not due to site activities under Contract No. CV/2023/10 because:

- According to the Hong Kong Tidal Stream Prediction System from Hong Kong Hydrographic Office, TKO-C1 is in downstream of the barging point while TKO-C1a and TKO-M5 is in upstream of the barging point during flood tide on 05/01/2026. No SS exceedance at TKO-C1 is recorded. Thus, the exceedance of water samples taken at TKO-C1a and TKO-M5 during flood tide on 05/01/2026 was considered non-Project related.
- Additionally, as seen in the picture below, no soil loss from the site boundary to the sea was noticed during the monitoring period. Therefore, the exceedance of water samples taken at TKO-M5 during ebb tide on 05/01/2026 was considered non-Project related.

b) Action taken under the action plan

1. After considered the above-mentioned investigation results, it appears that it was unlikely that the suspended solids exceedance was attributed to the work site of this Contract;
2. Since suspended solids were not measured in situ, the parameter is considered inapplicable because the laboratory results were acquired outside of the specified in situ monitoring period;
3. Monitoring data, all plant, equipment and Contractor's working methods were checked;
4. Mitigation measures and recommendations were provided in item c).
5. The next marine water quality monitoring was performed on 07/01/2026.

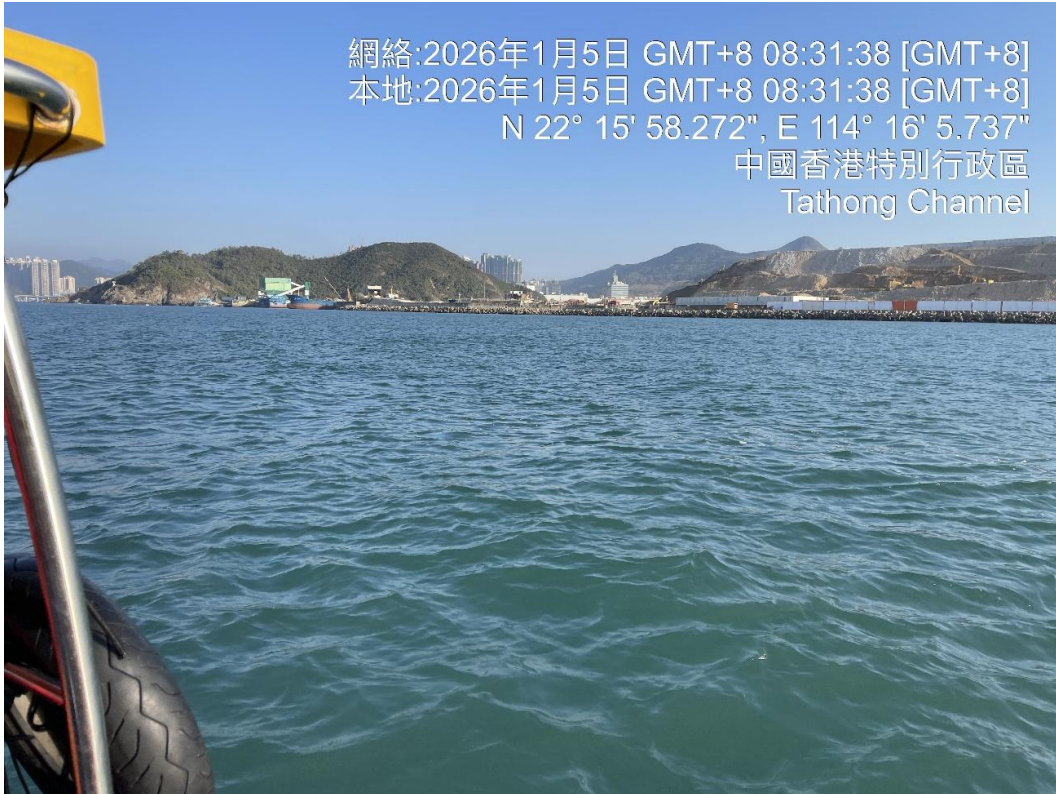
c) ET's conclusions and recommendations for mitigation

- All relevant water quality mitigation measures were checked to be fully implemented.

The Contractor was reminded to ensure the transfer of fill material from barges shall be conducted using well-designed, enclosed systems

- d) Contractor's actions to implement the mitigation
  - To keep an adequate buffer zone between stockpiling areas and the seafront.

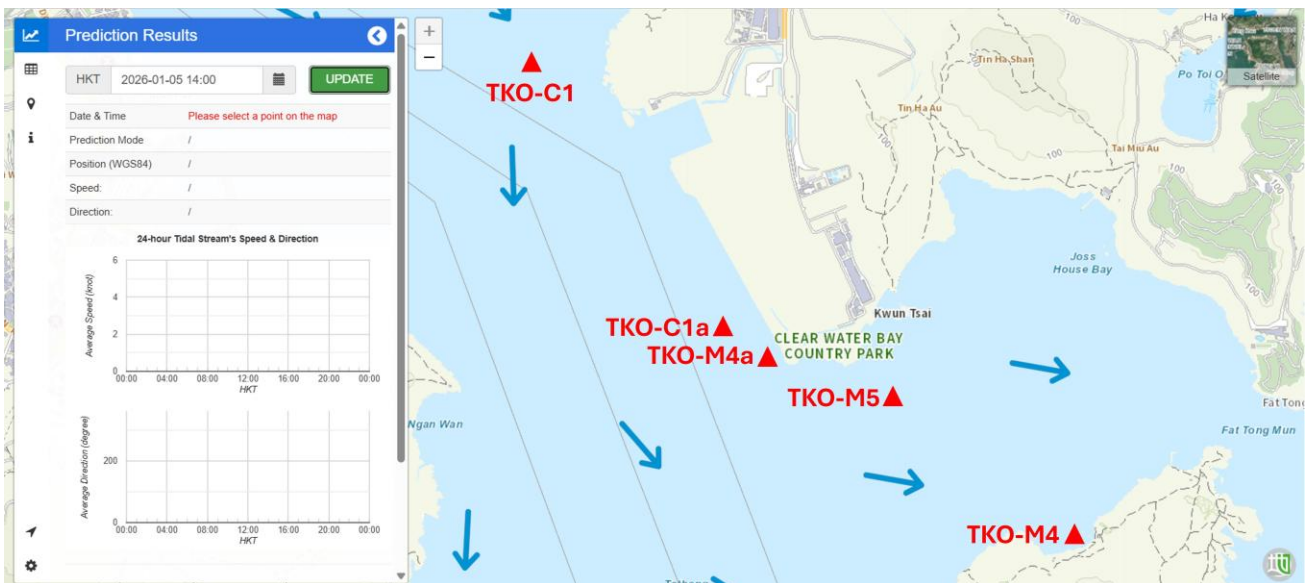
**Monitoring Photos**



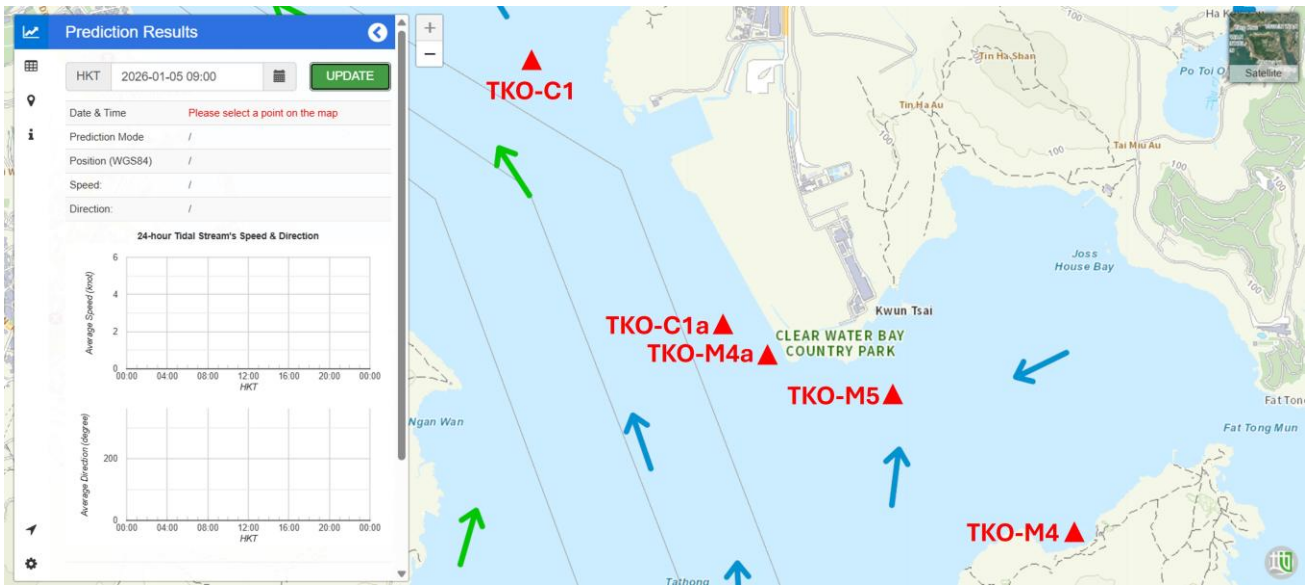
### Site Photos



### Tidal Stream Map (Ebb)



### Tidal Stream Map (Flood)



**Report No.** IR-WQ003-TKO  
**Monitoring Date** 07 January 2026

**Suspended Solid (in mg/L)**

Monitoring Station	Tide	Sampling Time	Result (Depth-Average)	Action Level	Limit Level	Level Exceedance
TKO-C1a	Flood	09:15 – 09:30	5.5 mg/L	4.9 mg/L	5.2 mg/L	Limit
TKO-M4a	Flood	09:35 – 09:50	5.2 mg/L	4.9 mg/L	5.2 mg/L	Action
TKO-M5	Flood	09:55 - 10:10	5.3 mg/L	4.9 mg/L	5.2 mg/L	Limit

**Investigation Results:**

a) Causes of exceedances

Exceedance was not due to site activities under Contract No. CV/2023/10 because:

- According to the Hong Kong Tidal Stream Prediction System from Hong Kong Hydrographic Office, TKO-C1 is located in downstream of the barging point while TKO-C1a and TKO-M5 is located in upstream of the barging point during flood tide on 07/01/2026. No SS exceedance at TKO-C1 is recorded. Thus, the exceedance of water samples taken at TKO-C1a, TKO-M4a and TKO-M5 during flood tide on 07/01/2026 was considered non-Project related.

b) Action taken under the action plan

1. After considered the above-mentioned investigation results, it appears that it was unlikely that the suspended solids exceedance was attributed to the work site of this Contract;
2. Since suspended solids were not measured in situ, the parameter is considered inapplicable because the laboratory results were acquired outside of the specified in situ monitoring period;
3. Monitoring data, all plant, equipment and Contractor’s working methods were checked;
4. Mitigation measures and recommendations were provided in item c).
5. The next marine water quality monitoring was performed on 09/01/2026. The results of suspended solid of the all marine water samples collected on 09/01/2026 were under the action level.

c) ET’s conclusions and recommendations for mitigation

- All relevant water quality mitigation measures were checked to be fully implemented.
- The Contractor was reminded to ensure the transfer of fill material from barges shall be conducted using well-designed, enclosed systems

d) Contractor’s actions to implement the mitigation

- To keep an adequate buffer zone between stockpiling areas and the seafront.

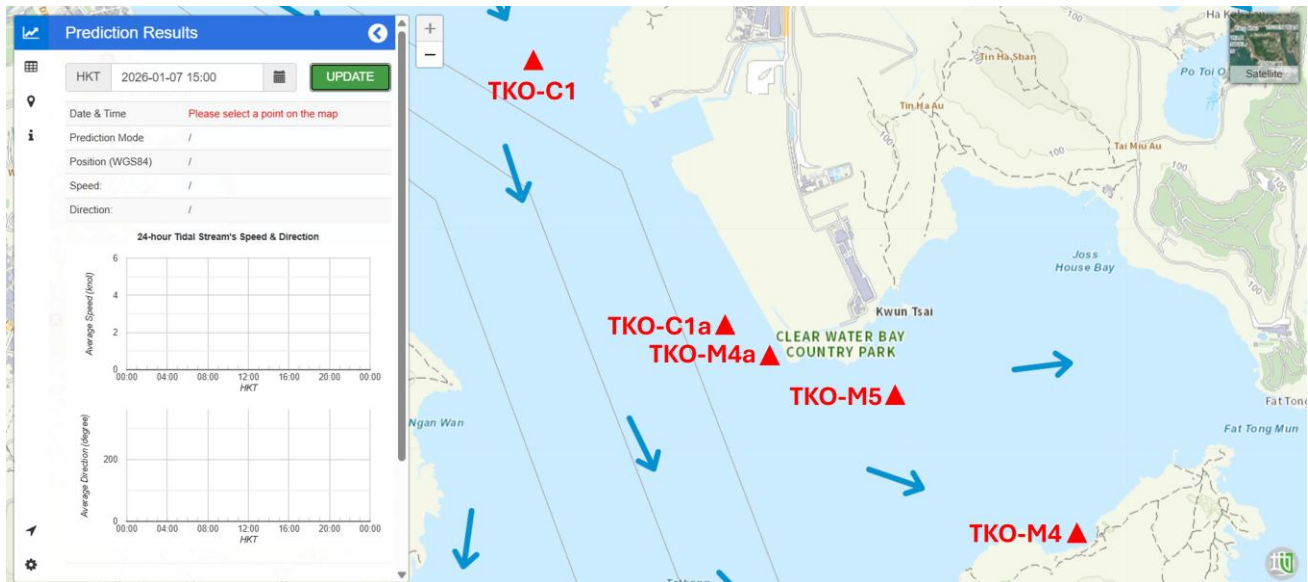
### Monitoring Photos



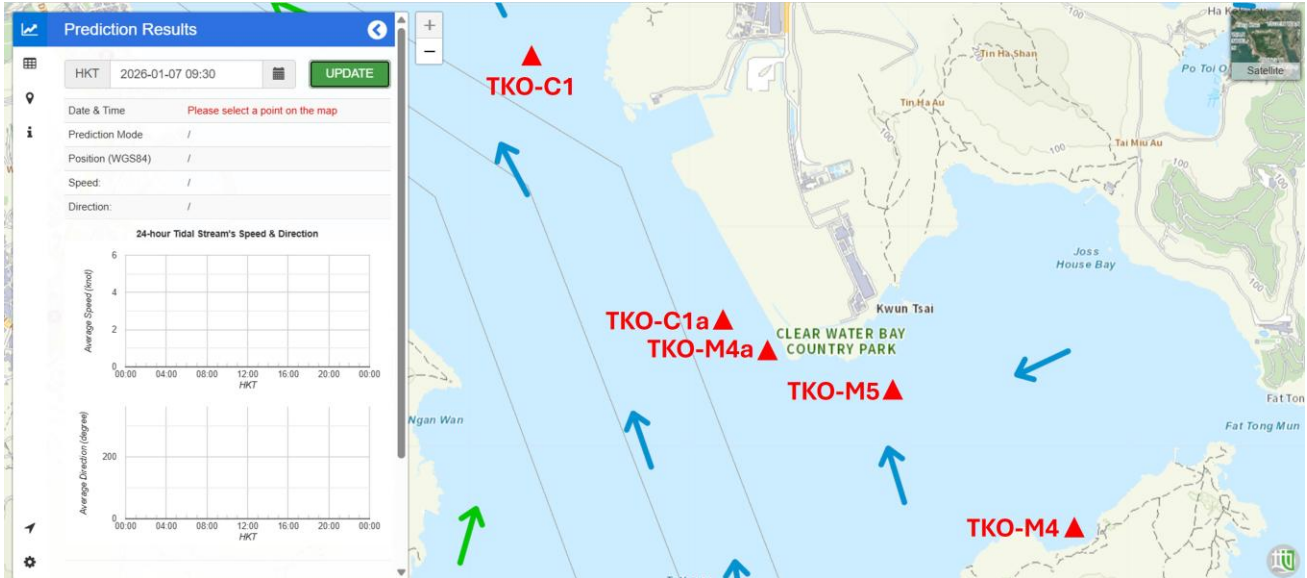
### Site Photos



### Tidal Stream Map (Ebb)



### Tidal Stream Map (Flood)



**Report No.** IR-WQ004-TKO  
**Monitoring Date** 12 January 2026

**Suspended Solid (in mg/L)**

Monitoring Station	Tide	Sampling Time	Result (Depth-Average)	Action Level	Limit Level	Level Exceedance
TKO-M4	Ebb	19:15 – 19:30	2.5 mg/L	2.4 mg/L	2.6 mg/L	Action

**Investigation Results:**

a) Causes of exceedances

Exceedance was not due to site activities under Contract No. CV/2023/10 because:

- TKO-C1 is the control point of TKO-M4 during ebb tide. TKO-C1a, TKO-M4a and TKO-M5 was in upstream of TKO-M4. As no exceedance on SS were recorded at those three monitoring stations, the exceedance of water samples taken at TKO-M4 during ebb tide on 12/01/2026 was considered non-Project related.

b) Action taken under the action plan

- After considered the above-mentioned investigation results, it appears that it was unlikely that the suspended solids exceedance was attributed to the work site of this Contract;
- Since suspended solids were not measured in situ, the parameter is considered inapplicable because the laboratory results were acquired outside of the specified in situ monitoring period;
- Monitoring data, all plant, equipment and Contractor’s working methods were checked;
- Mitigation measures and recommendations were provided in item c).
- The next marine water quality monitoring was performed on 16/01/2026. The results of suspended solid of the all marine water samples collected on 16/01/2026 were under the action level.

c) ET’s conclusions and recommendations for mitigation

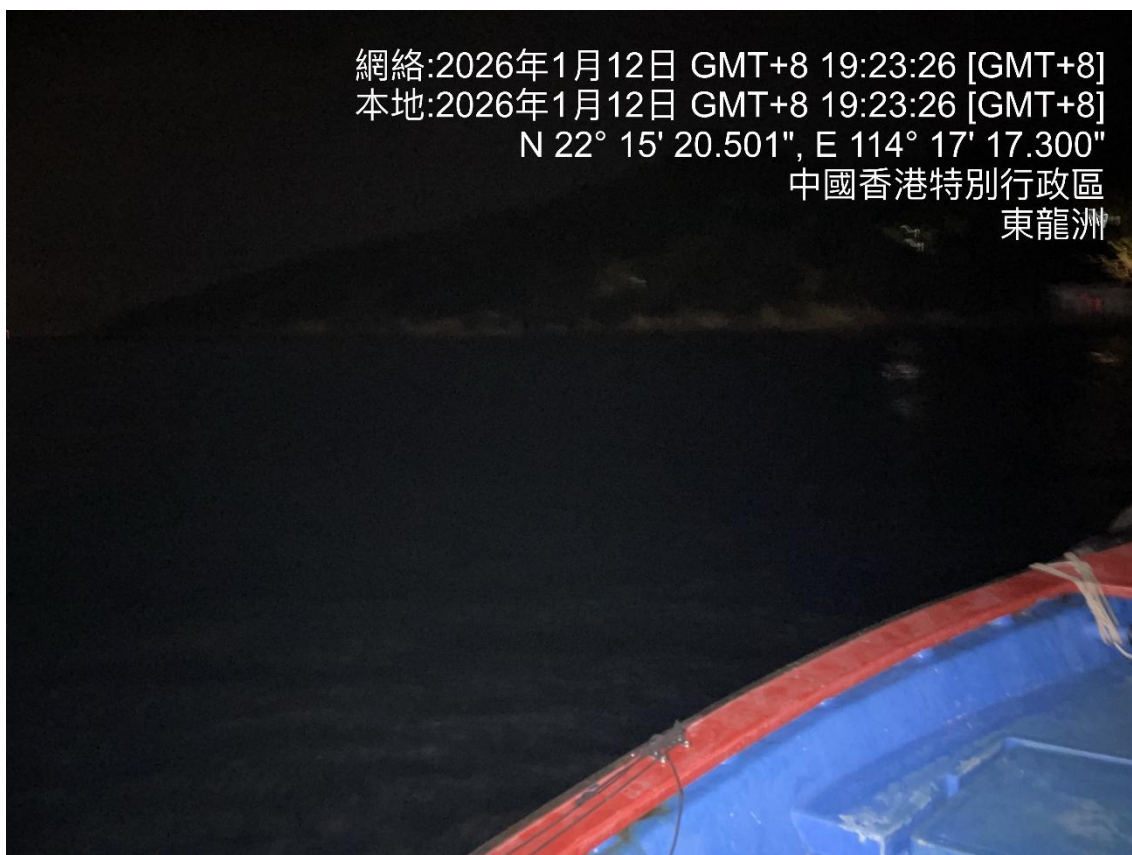
- All relevant water quality mitigation measures were checked to be fully implemented.

The Contractor was reminded to ensure the transfer of fill material from barges shall be conducted using well-designed, enclosed systems

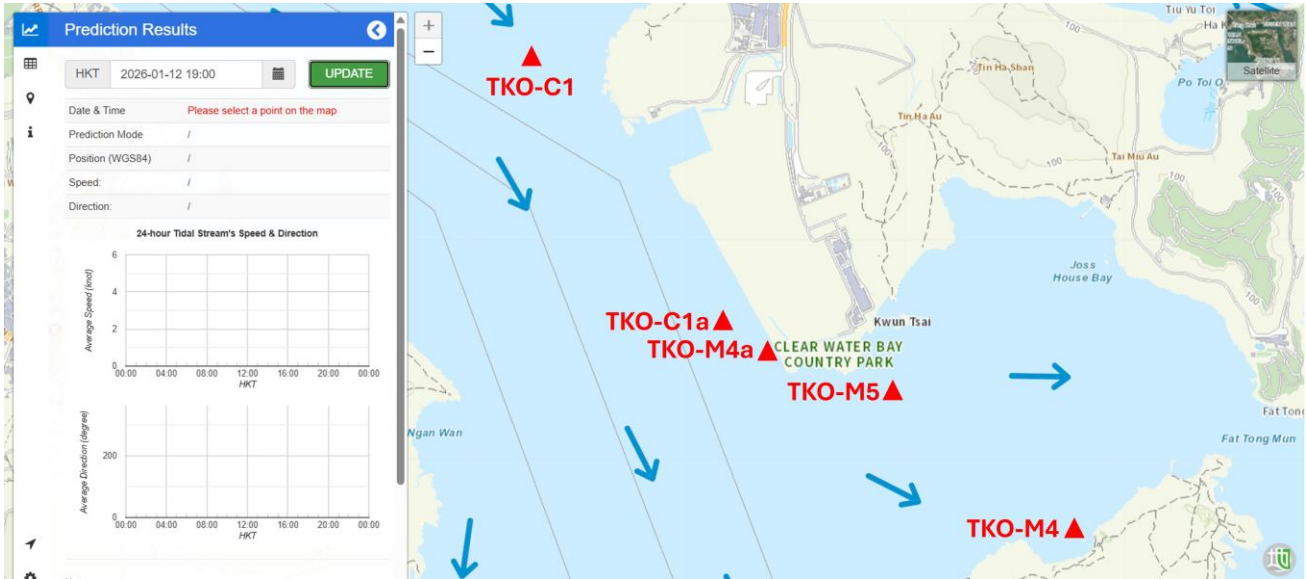
d) Contractor’s actions to implement the mitigation

- To keep an adequate buffer zone between stockpiling areas and the seafront.

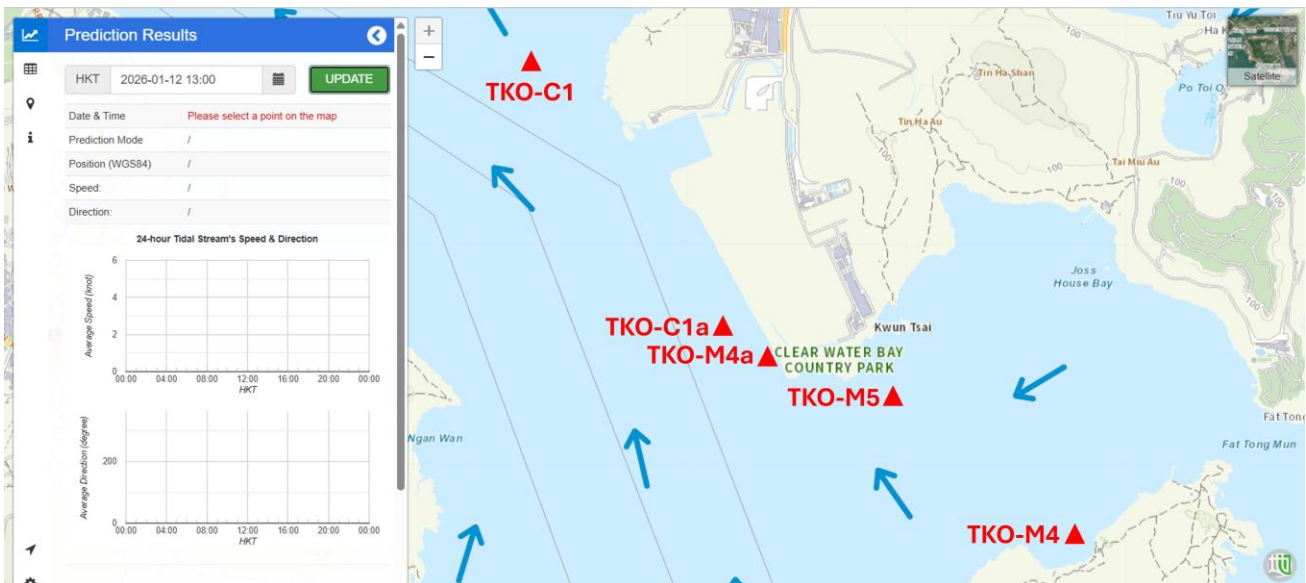
**Monitoring Photos**



### Tidal Stream Map (Ebb)



### Tidal Stream Map (Flood)



**Report No.** IR-WQ005  
**Monitoring Date** 14 January 2026

**Suspended Solid (in mg/L)**

Monitoring Station	Tide	Sampling Time	Result (Depth-Average)	Action Level	Limit Level	Level Exceedance
TKO-C1a	Ebb	21:40 – 21:55	20.3 mg/L	4.9 mg/L	5.2 mg/L	Limit
TKO-M4a	Ebb	22:00 - 22:15	6.8 mg/L	4.9 mg/L	5.2 mg/L	Limit

**Investigation Results:**

a) Causes of exceedances

Exceedance was not due to site activities under Contract No. CV/2023/10 because:

- TKO-C1a is the control point of TKO-M4a and TKO-M5 during ebb tide. As there was an exceedance on SS at the control point (TKO-C1a). Thus, the exceedance of water samples taken at TKO-M4a during ebb tide on 14/01/2026 was considered non-Project related.

b) Action taken under the action plan

- After considered the above-mentioned investigation results, it appears that it was unlikely that the suspended solids exceedance was attributed to the work site of this Contract;
- Since suspended solids were not measured in situ, the parameter is considered inapplicable because the laboratory results were acquired outside of the specified in situ monitoring period;
- Monitoring data, all plant, equipment and Contractor’s working methods were checked;
- Mitigation measures and recommendations were provided in item c).
- The next marine water quality monitoring was performed on 16/01/2026. The results of suspended solid of the all marine water samples collected on 16/01/2026 were under the action level.

c) ET’s conclusions and recommendations for mitigation

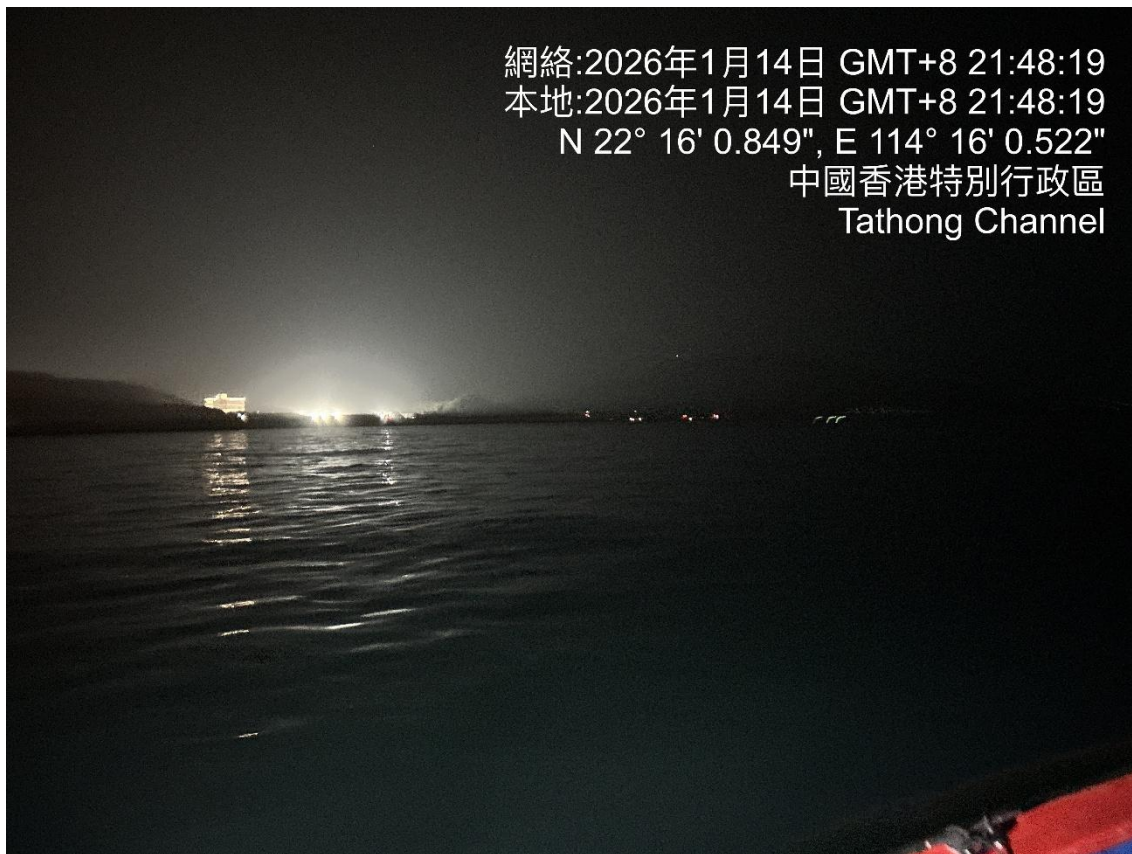
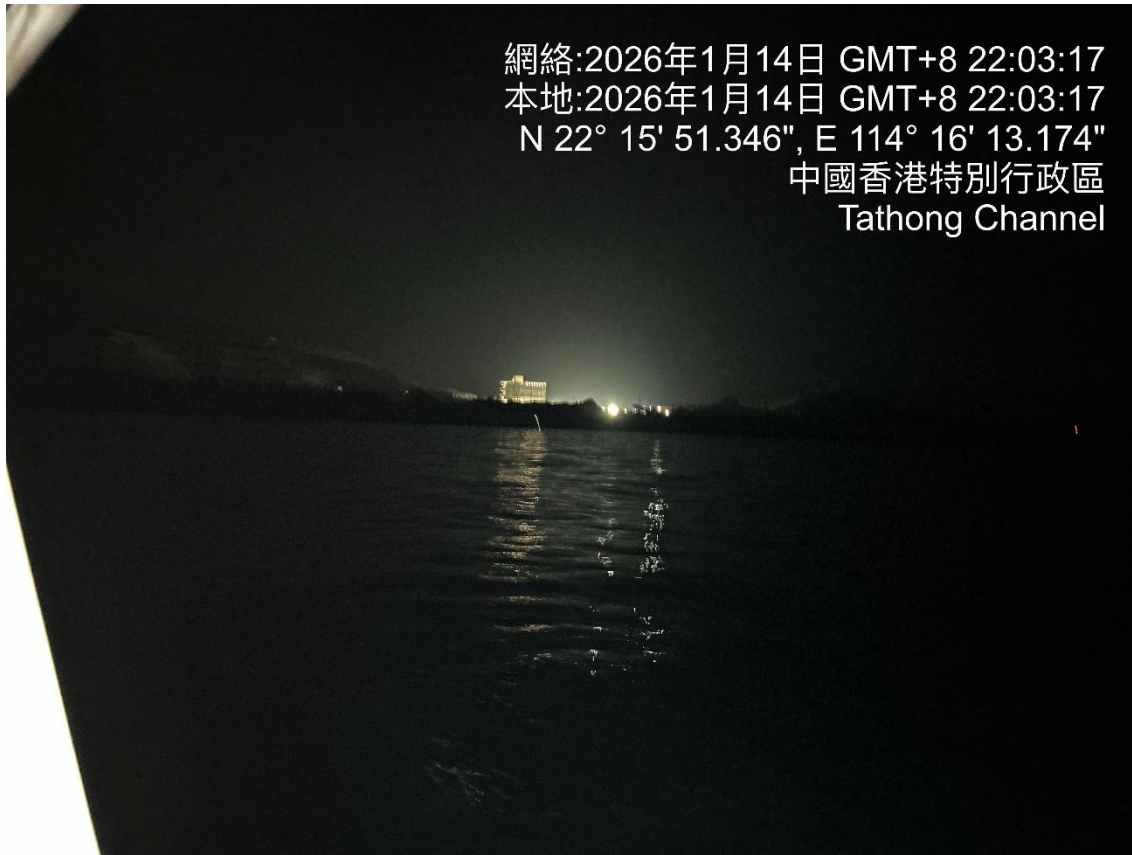
- All relevant water quality mitigation measures were checked to be fully implemented.

The Contractor was reminded to ensure the transfer of fill material from barges shall be conducted using well-designed, enclosed systems

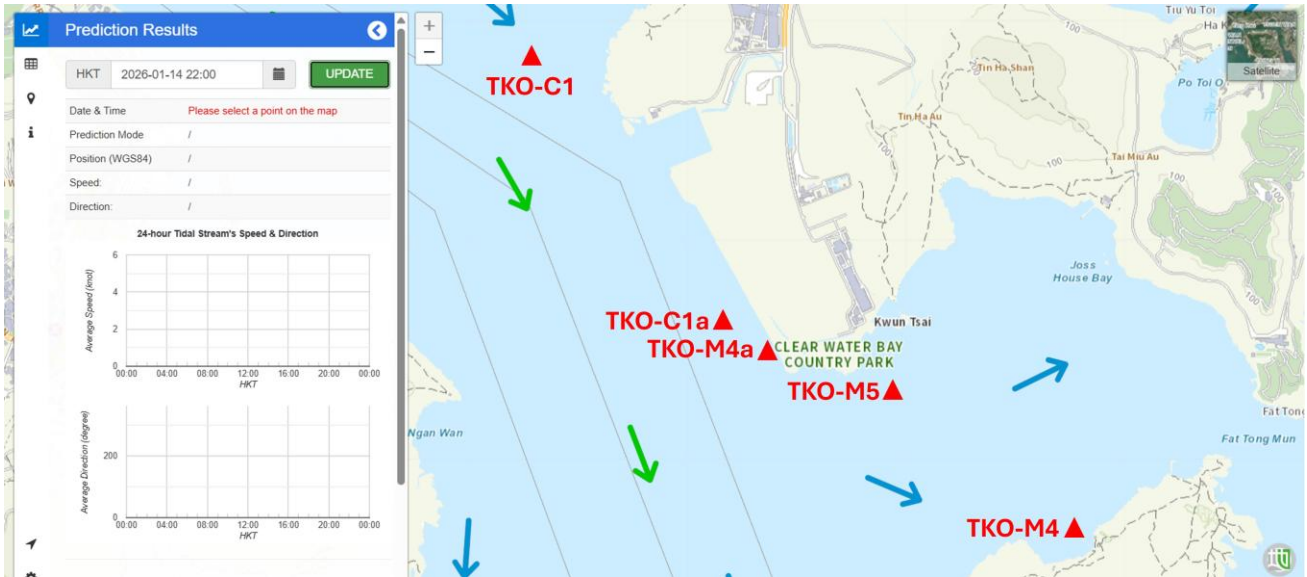
d) Contractor’s actions to implement the mitigation

- To keep an adequate buffer zone between stockpiling areas and the seafront.

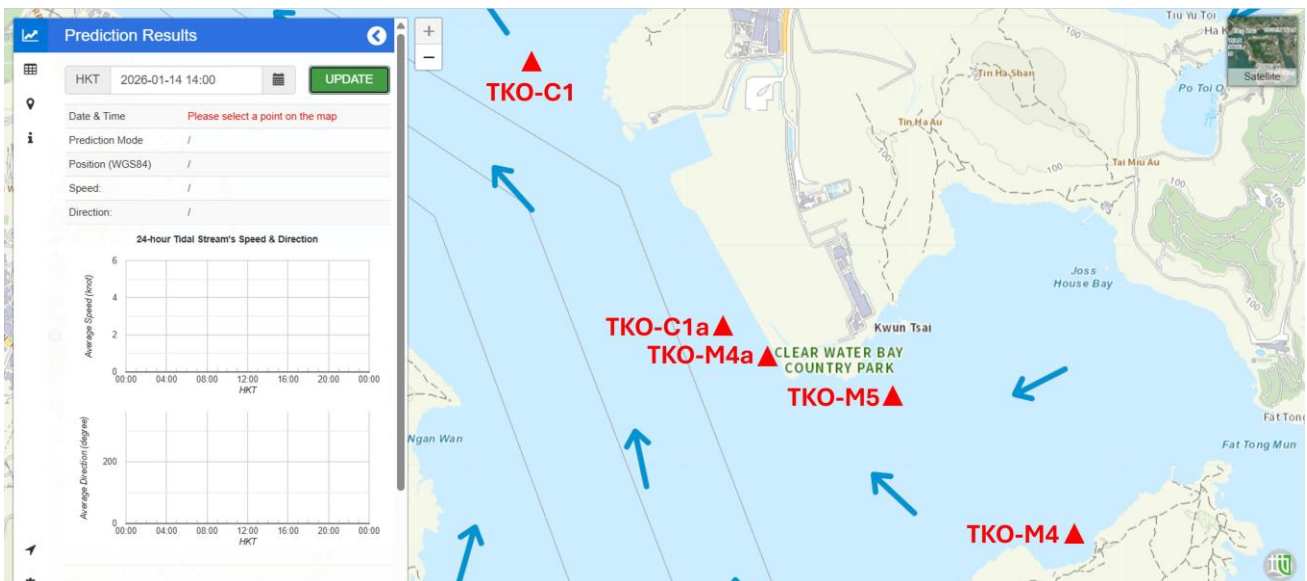
**Monitoring Photos**



### Tidal Stream Map (Ebb)



### Tidal Stream Map (Flood)



**Report No.** IR-WQ006-TKO  
**Monitoring Date** 21 January 2026

**Suspended Solid (in mg/L)**

Monitoring Station	Tide	Sampling Time	Result (Depth-Average)	Action Level	Limit Level	Level Exceedance
TKO-C1a	Flood	08:15 – 08:30	5.2 mg/L	4.9 mg/L	5.2 mg/L	Action
TKO-M4a	Flood	08:35 – 08:45	5.0 mg/L	4.9 mg/L	5.2 mg/L	Action
TKO-C1a	Ebb	14:00 - 14:10	5.2 mg/L	4.9 mg/L	5.2 mg/L	Action

**Investigation Results:**

a) Causes of exceedances

Exceedance was not due to site activities under Contract No. CV/2023/10 because:

- According to the Hong Kong Tidal Stream Prediction System from Hong Kong Hydrographic Office, TKO-C1 is in downstream of the barging point while TKO-C1a and TKO-M4a is in upstream of the barging point during flood tide on 21/01/2026. No SS exceedance at TKO-C1 is recorded. Thus, the exceedance of water samples taken at TKO-C1a and TKO-M4a during flood tide on 21/01/2026 was considered non-Project related.
- For ebb tide exceedance at TKO-C1a, TKO-C1a is the control point during ebb tide. No SS exceedance was recorded at TKO-M4a and TKO-M5 during the same tide. Thus, the exceedance of water samples taken at TKO-C1a during ebb tide on 21/01/2026 was considered as occasional event and non-Project related.

b) Action taken under the action plan

1. After considered the above-mentioned investigation results, it appears that it was unlikely that the suspended solids exceedance was attributed to the work site of this Contract;
2. Since suspended solids were not measured in situ, the parameter is considered inapplicable because the laboratory results were acquired outside of the specified in situ monitoring period;;
3. Monitoring data, all plant, equipment and Contractor’s working methods were checked;
4. Mitigation measures and recommendations were provided in item c).
5. The next marine water quality monitoring was performed on 23/01/2026.

c) ET’s conclusions and recommendations for mitigation

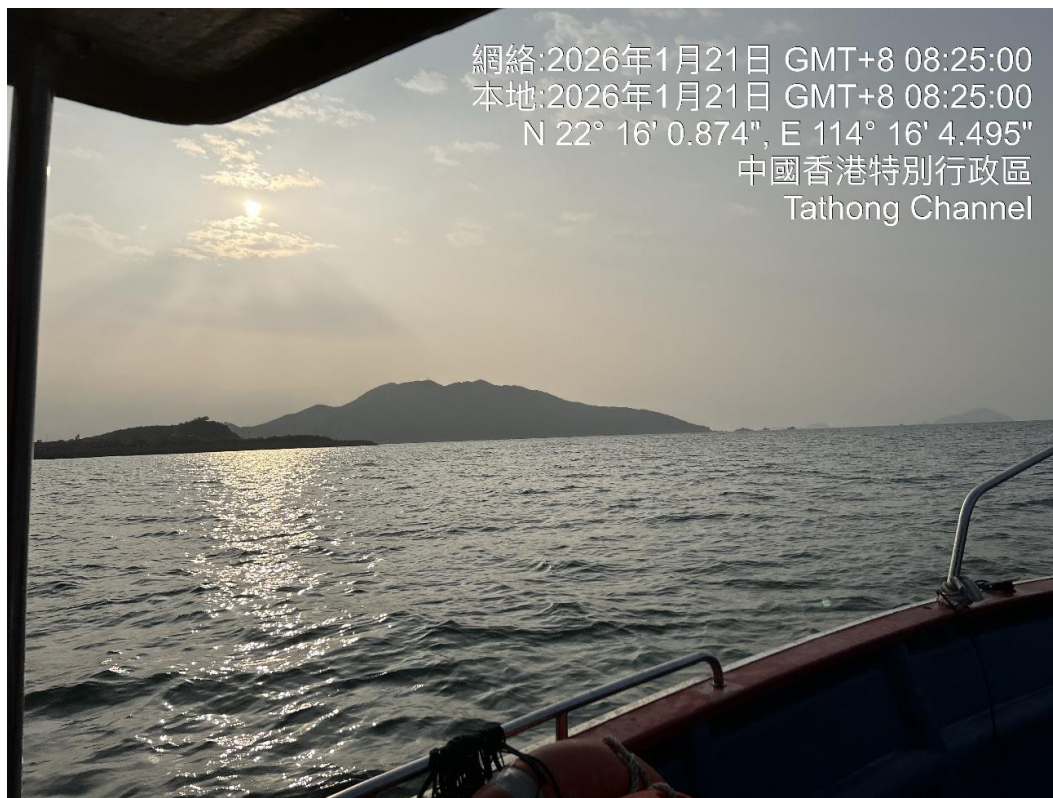
- All relevant water quality mitigation measures were checked to be fully implemented.

The Contractor was reminded to ensure the transfer of fill material from barges shall be conducted using well-designed, enclosed systems

d) Contractor’s actions to implement the mitigation

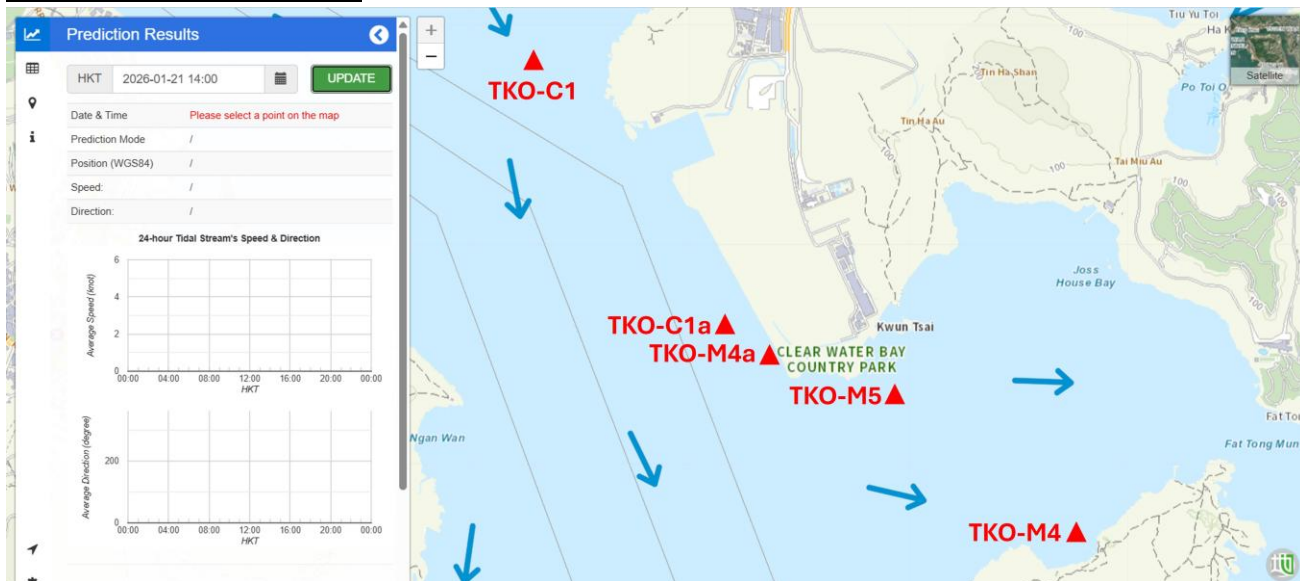
- To keep an adequate buffer zone between stockpiling areas and the seafront.

### Monitoring Photos

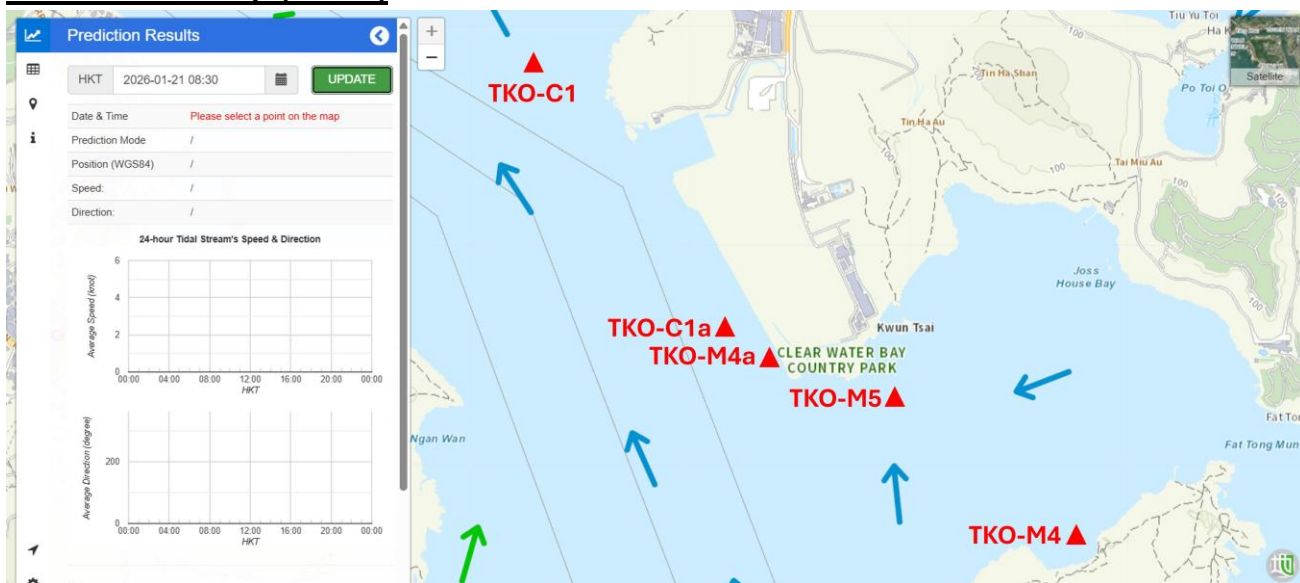




### Tidal Stream Map (Ebb)



### Tidal Stream Map (Flood)



**Report No.** IR-WQ007-TKO  
**Monitoring Date** 23 January 2026

**Suspended Solid (in mg/L)**

Monitoring Station	Tide	Sampling Time	Result (Depth-Average)	Action Level	Limit Level	Level Exceedance
TKO-C1a	Flood	09:25 – 09:40	5.3 mg/L	4.9 mg/L	5.2 mg/L	Limit
TKO-M5	Flood	09:55 – 10:05	5.2 mg/L	4.9 mg/L	5.2 mg/L	Action

**Investigation Results:**

a) Causes of exceedances

Exceedance was not due to site activities under Contract No. CV/2023/10 because:

- According to the Hong Kong Tidal Stream Prediction System from Hong Kong Hydrographic Office, TKO-C1 is in downstream of the barging point while TKO-C1a and TKO-M5 is in upstream of the barging point during flood tide on 23/01/2026. No SS exceedance at TKO-C1 is recorded. Thus, the exceedance of water samples taken at TKO-C1a and TKO-M5 during flood tide on 23/01/2026 was considered non-Project related.
- Additionally, as seen in the picture below, no soil loss from the site boundary to the sea was noticed during the monitoring period. Thus, the exceedance of water samples taken at TKO-C1a and TKO-M5 during flood tide on 23/01/2026 was not considered as project related.

b) Action taken under the action plan

1. After considered the above-mentioned investigation results, it appears that it was unlikely that the suspended solids exceedance was attributed to the work site of this Contract;
2. Since suspended solids were not measured in situ, the parameter is considered inapplicable because the laboratory results were acquired outside of the specified in situ monitoring period;
3. Monitoring data, all plant, equipment and Contractor’s working methods were checked;
4. Mitigation measures and recommendations were provided in item c).
5. The next marine water quality monitoring was performed on 26/01/2026.

c) ET’s conclusions and recommendations for mitigation

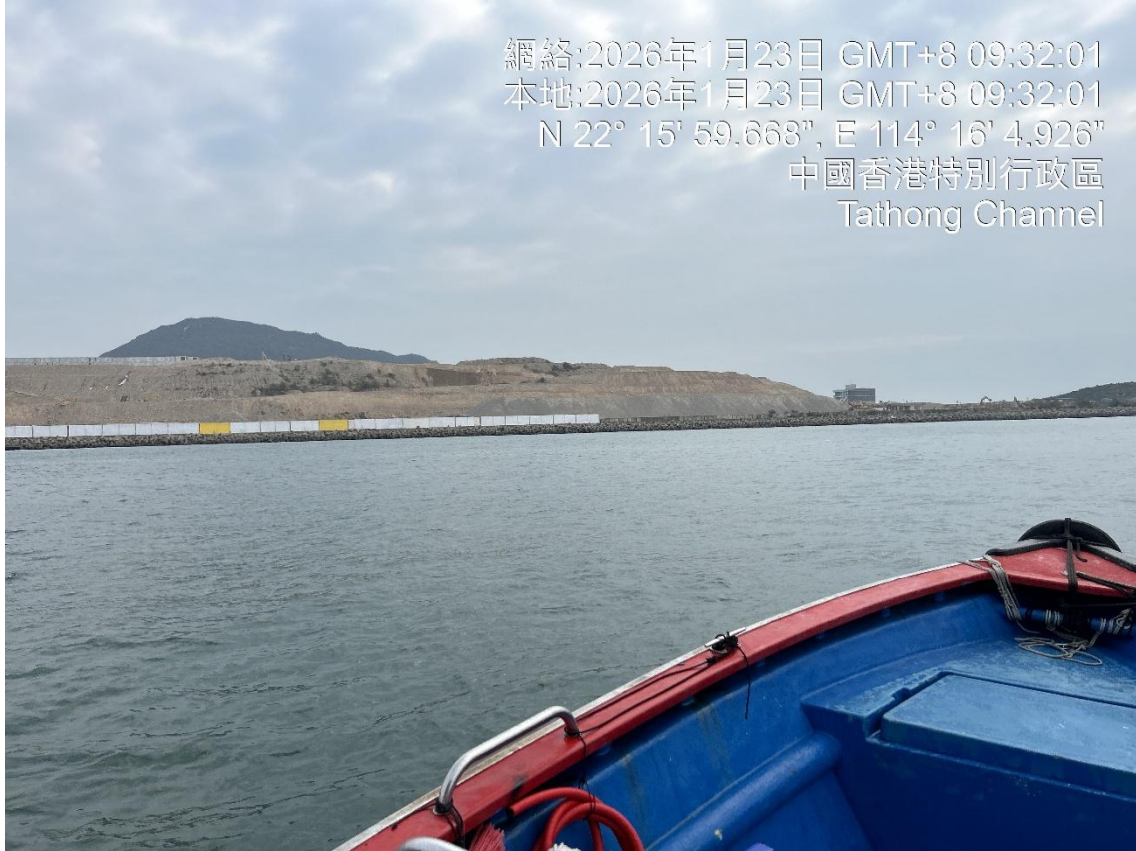
- All relevant water quality mitigation measures were checked to be fully implemented.

The Contractor was reminded to ensure the transfer of fill material from barges shall be conducted using well-designed, enclosed systems

d) Contractor’s actions to implement the mitigation

- To keep an adequate buffer zone between stockpiling areas and the seafront.

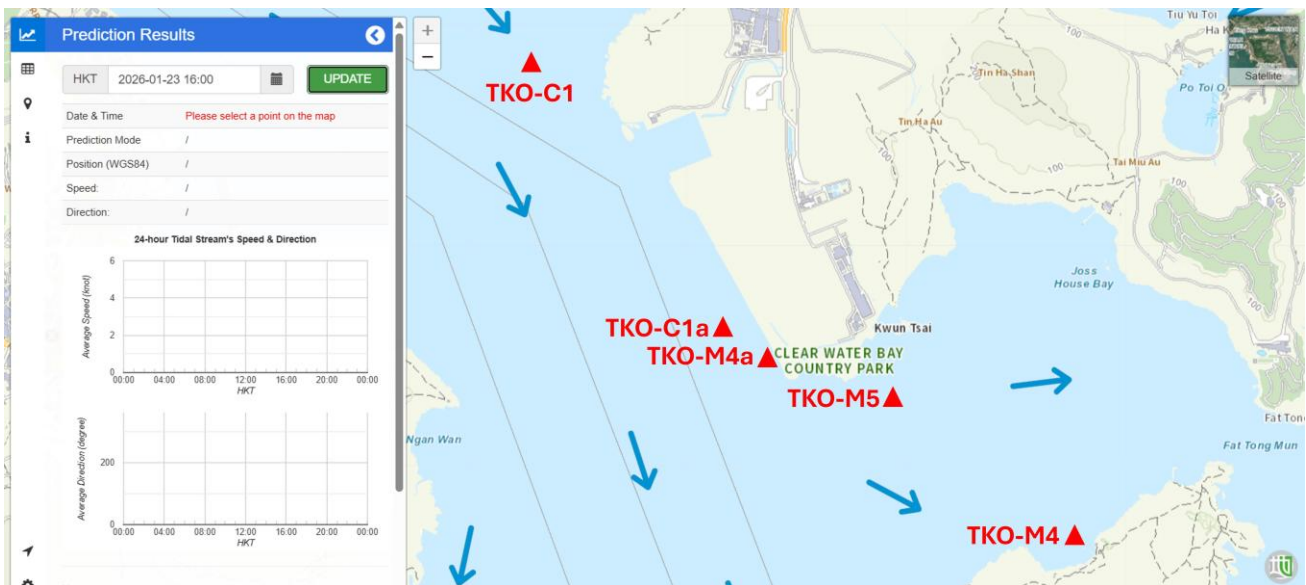
### Monitoring Photos



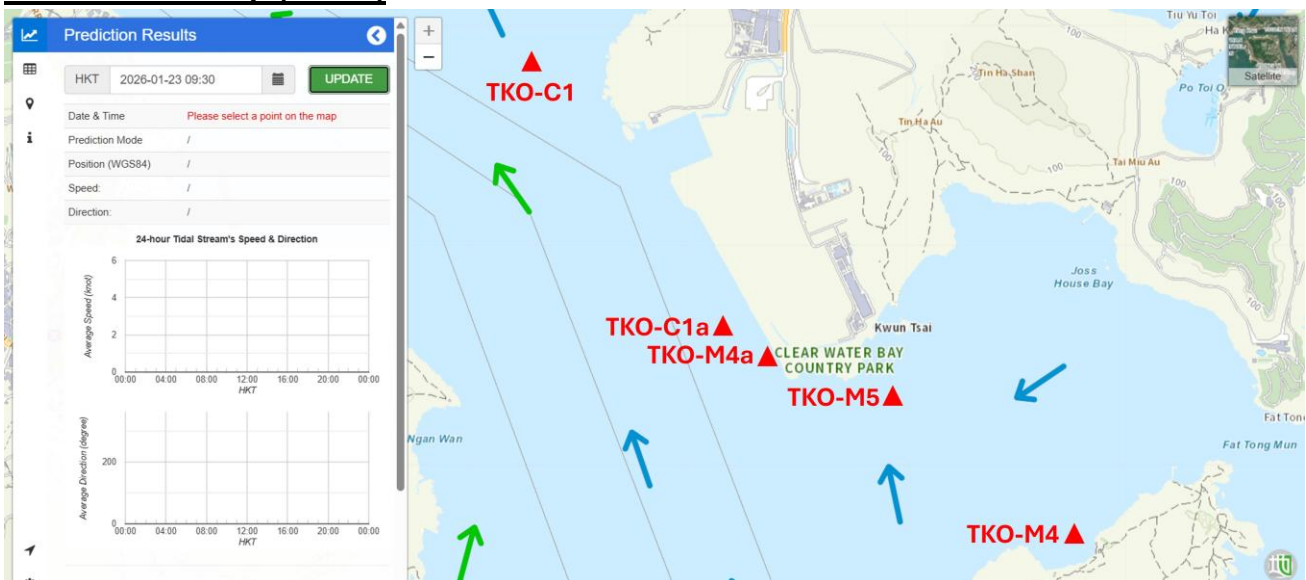
**Site Photos**



**Tidal Stream Map (Ebb)**



**Tidal Stream Map (Flood)**



**Report No.** IR-WQ008-TKO  
**Monitoring Date** 26 January 2026

**Suspended Solid (in mg/L)**

Monitoring Station	Tide	Sampling Time	Result (Depth-Average)	Action Level	Limit Level	Level Exceedance
TKO-M4a	Ebb	17:15 – 17:25	3.2 mg/L	2.8 mg/L	3.0 mg/L	Limit

**Investigation Results:**

a) Causes of exceedances

Exceedance was not due to site activities under Contract No. CV/2023/10 because:

- TKO-C1a is the control point of TKO-M4a during ebb tide. The barging point is located between monitoring station TKO-C1 and TKO-C1a. TKO-C1a was upstream of TKO-M4a. As no exceedance on SS were recorded at TKO-C1a, the exceedance of water samples taken at TKO-M4a during ebb tide on 26/01/2026 was considered non-Project related.

b) Action taken under the action plan

- After considered the above-mentioned investigation results, it appears that it was unlikely that the suspended solids exceedance was attributed to the work site of this Contract;
- Since suspended solids were not measured in situ, the parameter is considered inapplicable because the laboratory results were acquired outside of the specified in situ monitoring period;
- Monitoring data, all plant, equipment and Contractor’s working methods were checked;
- Mitigation measures and recommendations were provided in item c).
- The next marine water quality monitoring was performed on 28/01/2026. The results of suspended solid of the all marine water samples collected on 28/01/2026 were under the action level.

c) ET’s conclusions and recommendations for mitigation

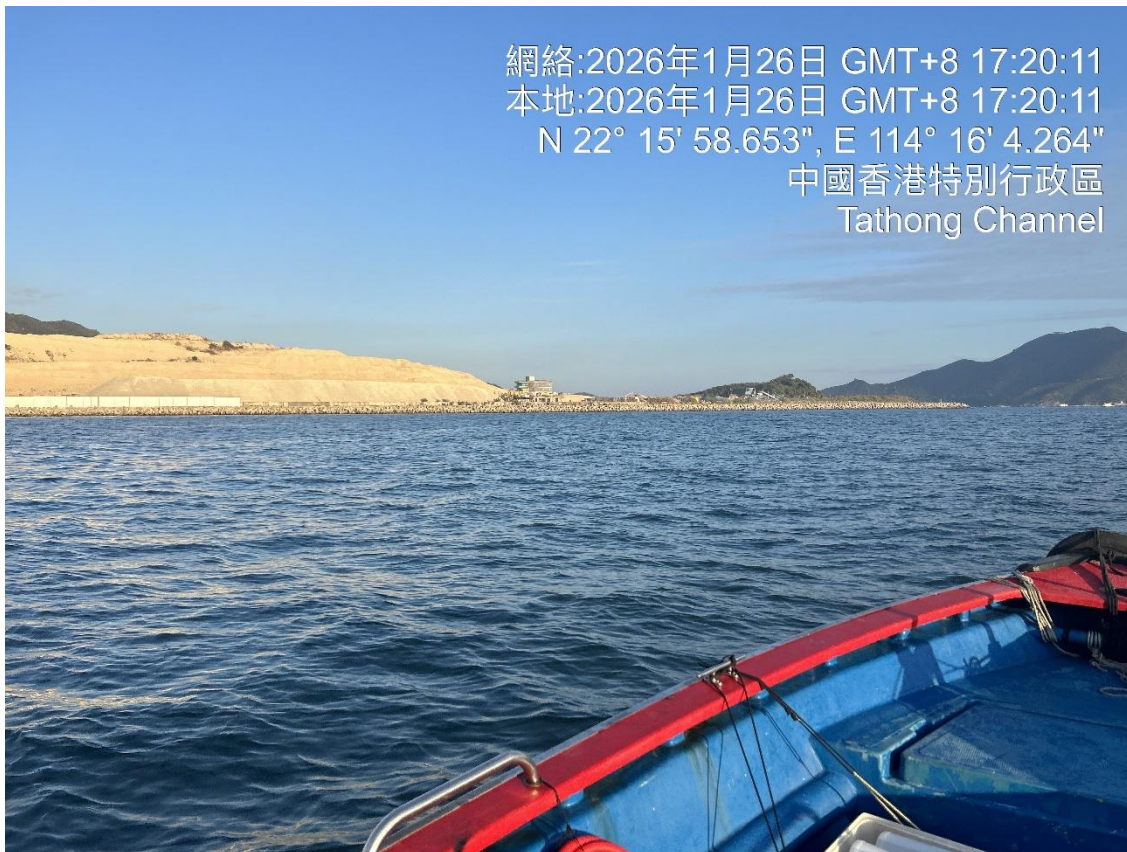
- All relevant water quality mitigation measures were checked to be fully implemented.

The Contractor was reminded to ensure the transfer of fill material from barges shall be conducted using well-designed, enclosed systems

d) Contractor’s actions to implement the mitigation

- To keep an adequate buffer zone between stockpiling areas and the seafront.

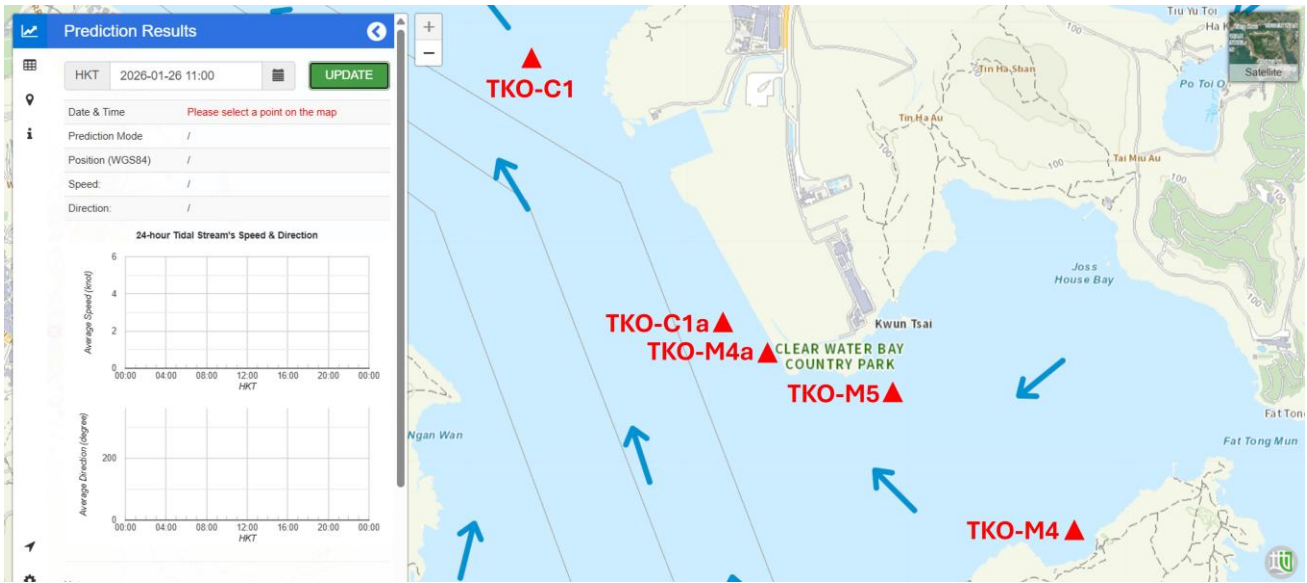
### Monitoring Photos



### Tidal Stream Map (Ebb)



### Tidal Stream Map (Flood)



**Report No.** IR-WQ009-TKO  
**Monitoring Date** 30 January 2026

**Suspended Solid (in mg/L)**

Monitoring Station	Tide	Sampling Time	Result (Depth-Average)	Action Level	Limit Level	Level Exceedance
TKO-M4	Ebb	20:55 – 21:05	3.0 mg/L	2.6 mg/L	2.8 mg/L	Action
TKO-M5	Ebb	20:40 – 20:50	2.7 mg/L	2.6 mg/L	2.8 mg/L	Action

**Investigation Results:**

a) Causes of exceedances

Exceedance was not due to site activities under Contract No. CV/2023/10 because:

- TKO-C1 and TKO-C1a are the control points of TKO-M4 and TKO-M5 respectively during ebb tide. The barging point is located between monitoring station TKO-C1 and TKO-C1a. The distance from barging points between TKO-C1a and TKO-M4a were shorter than that of TKO-M4 and TKO-M5. As no exceedance on SS were recorded at TKO-C1a and TKO-M4a, the exceedance of water samples taken at TKO-M4 and TKO-M5 during ebb tide on 30/01/2026 was considered non-Project related.

b) Action taken under the action plan

- After considered the above-mentioned investigation results, it appears that it was unlikely that the suspended solids exceedance was attributed to the work site of this Contract;
- Since suspended solids were not measured in situ, the parameter is considered inapplicable because the laboratory results were acquired outside of the specified in situ monitoring period;
- Monitoring data, all plant, equipment and Contractor’s working methods were checked;
- Mitigation measures and recommendations were provided in item c).
- The next marine water quality monitoring was performed on 02/02/2026.

c) ET’s conclusions and recommendations for mitigation

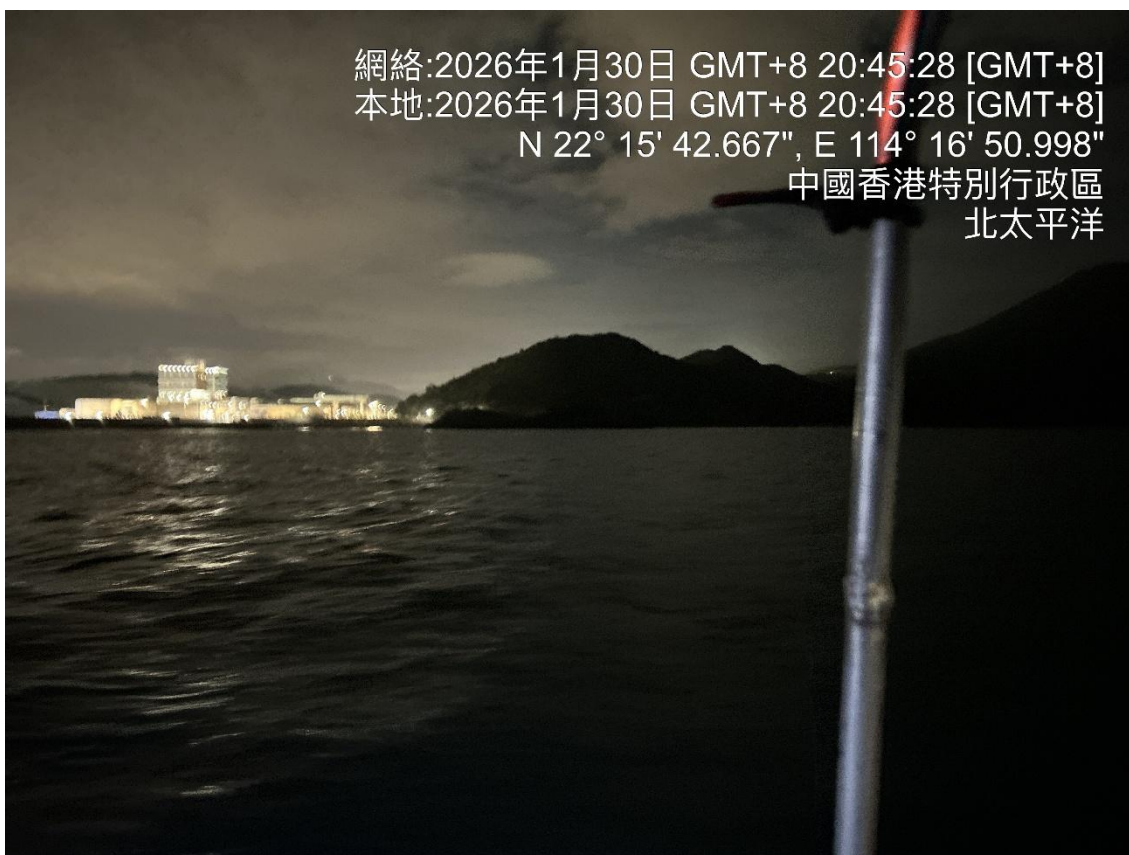
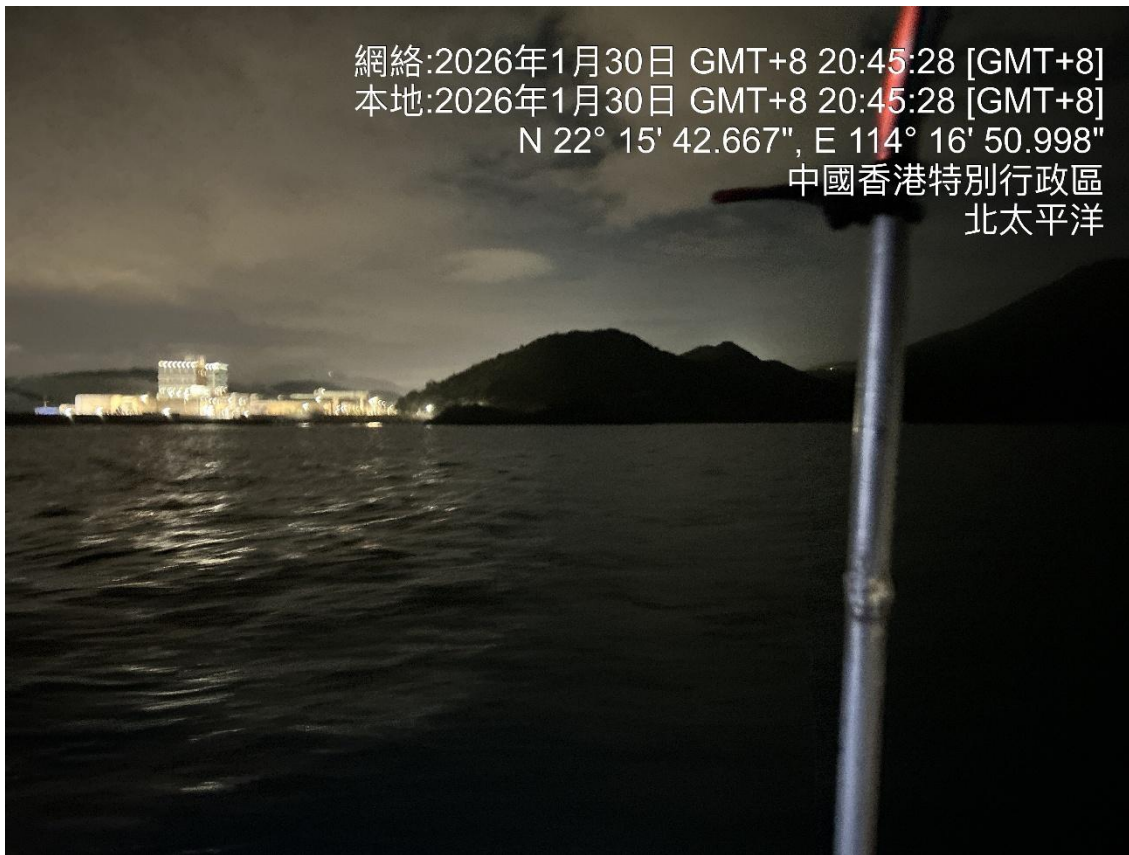
- All relevant water quality mitigation measures were checked to be fully implemented.

The Contractor was reminded to ensure the transfer of fill material from barges shall be conducted using well-designed, enclosed systems

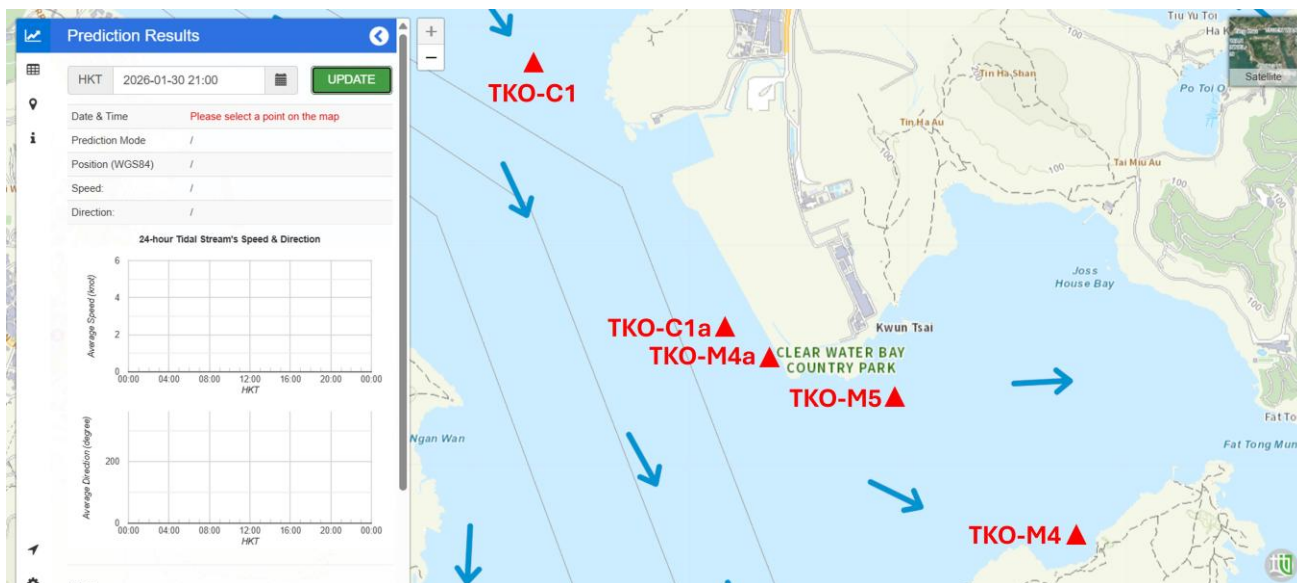
d) Contractor’s actions to implement the mitigation

- To keep an adequate buffer zone between stockpiling areas and the seafront.

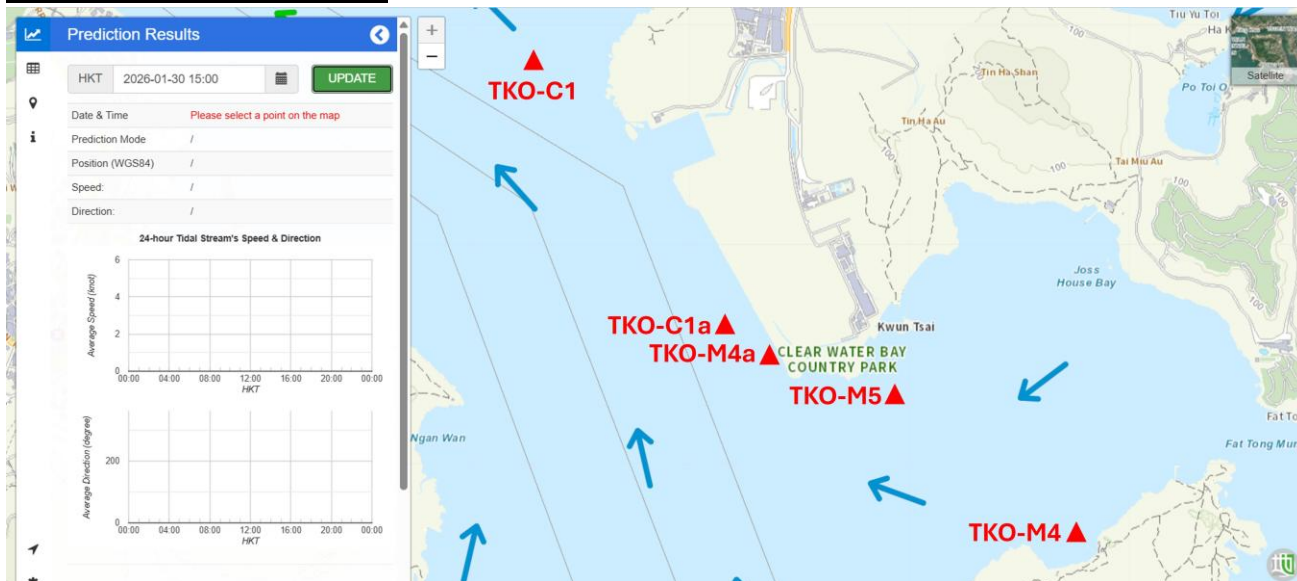
**Monitoring Photos**



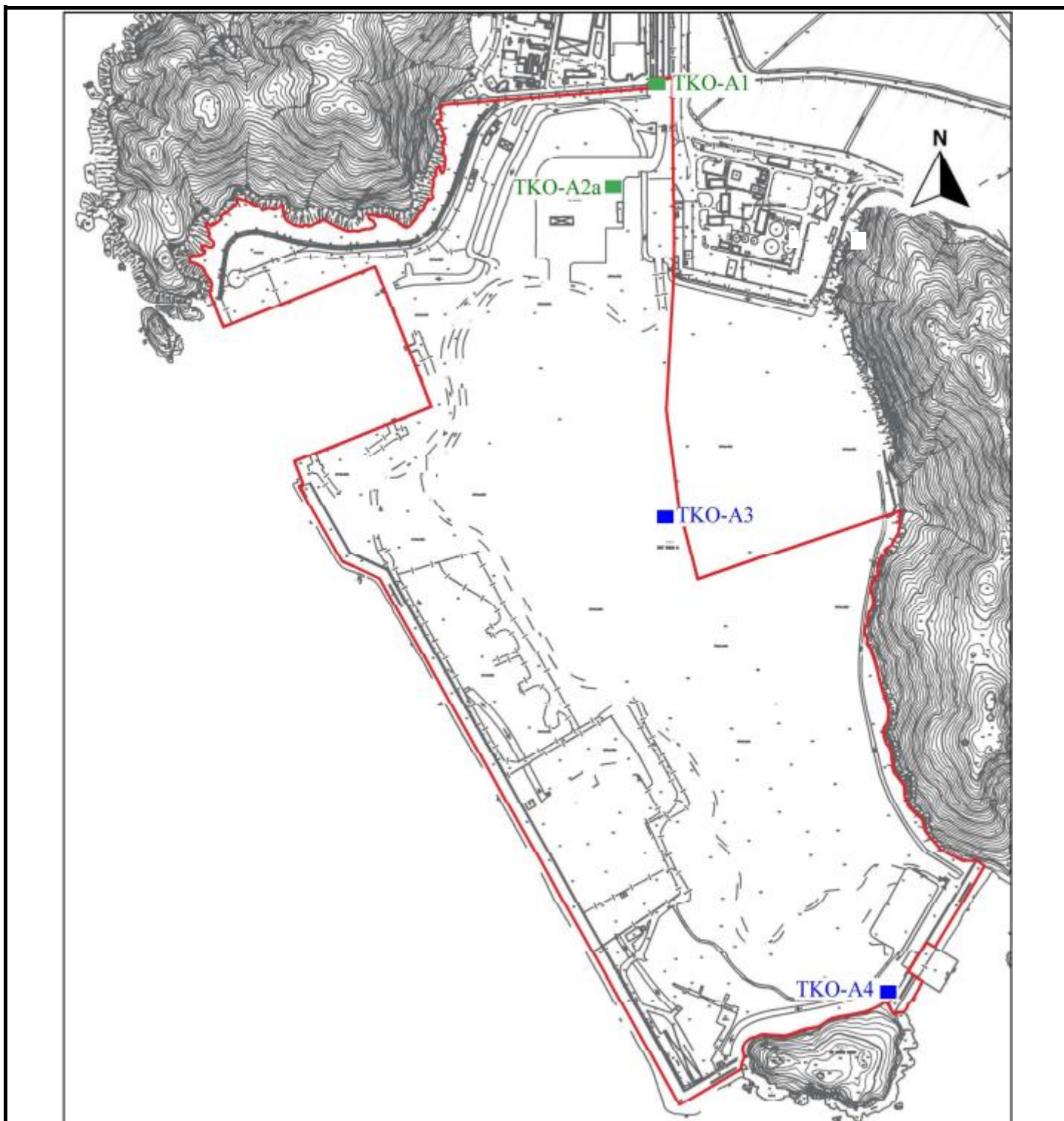
### Tidal Stream Map (Ebb)



### Tidal Stream Map (Flood)

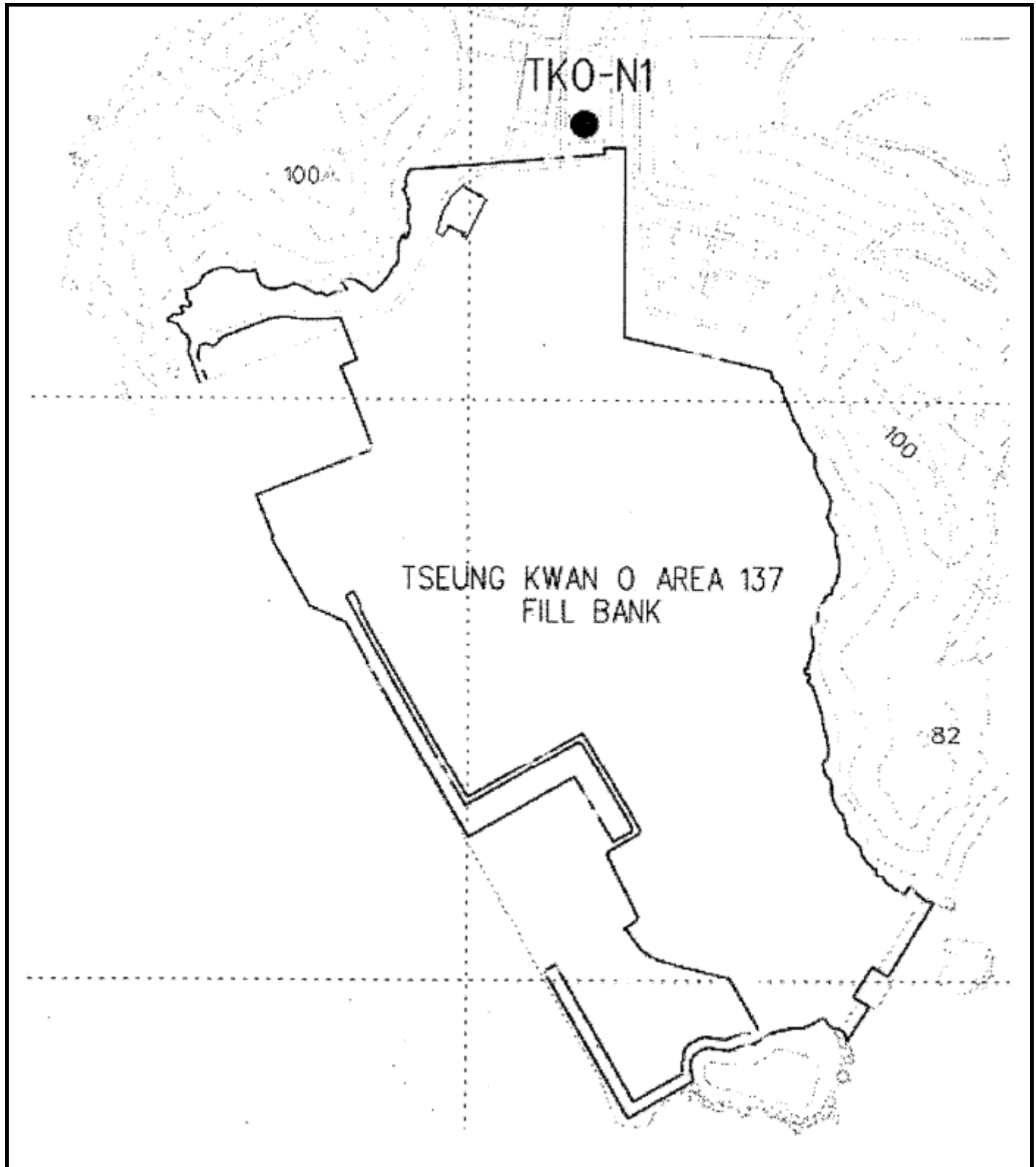


**Figure 1**  
**Locations of Air Quality Stations**



**Figure 1 Locations of Air Quality Monitoring Stations**

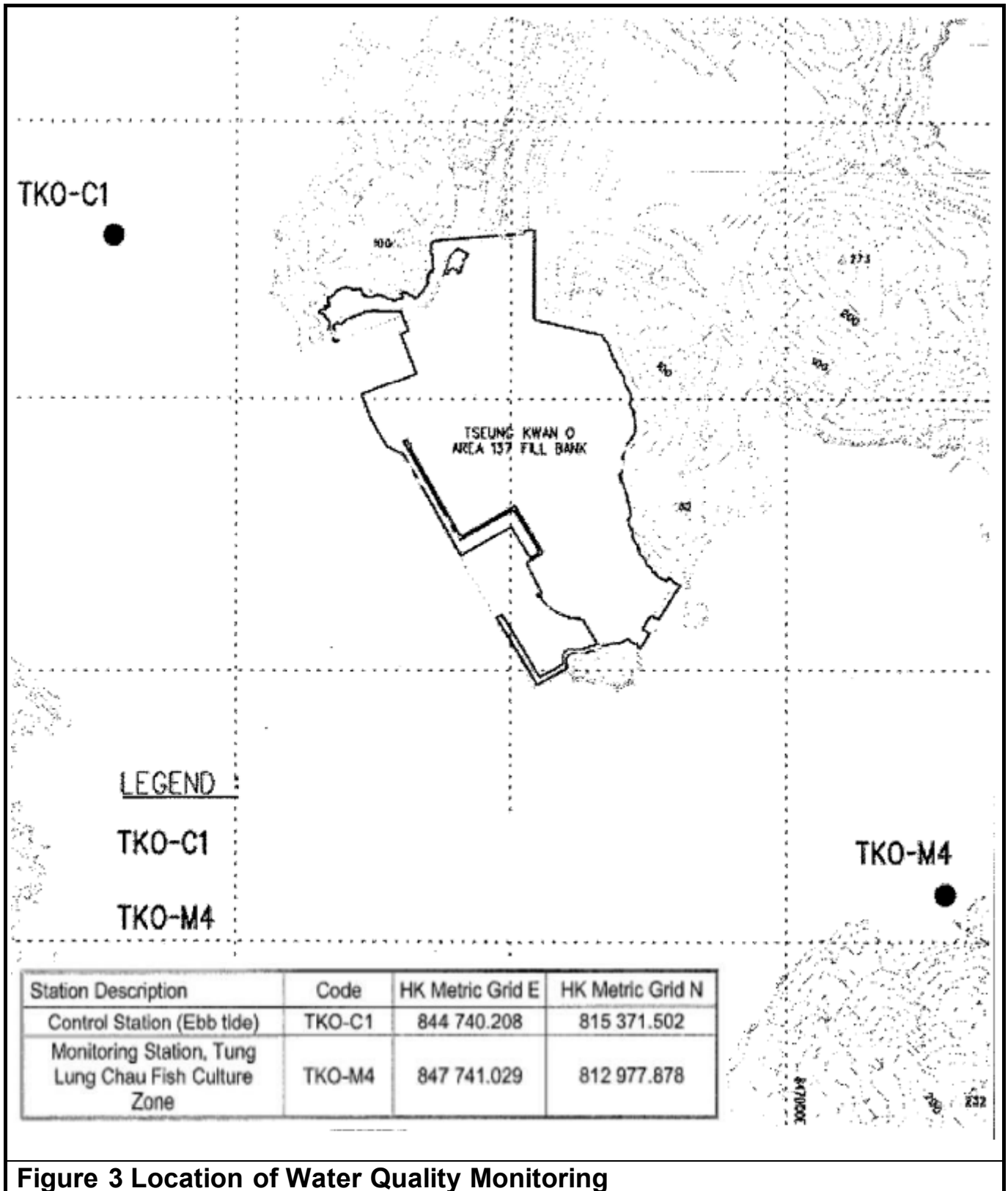
**Figure 2**  
**Noise Monitoring Locations**



**Figure 2 Noise Monitoring Station**

### **Figure 3**

### **Location of Water Quality Monitoring Station**



**Figure 3 Location of Water Quality Monitoring**

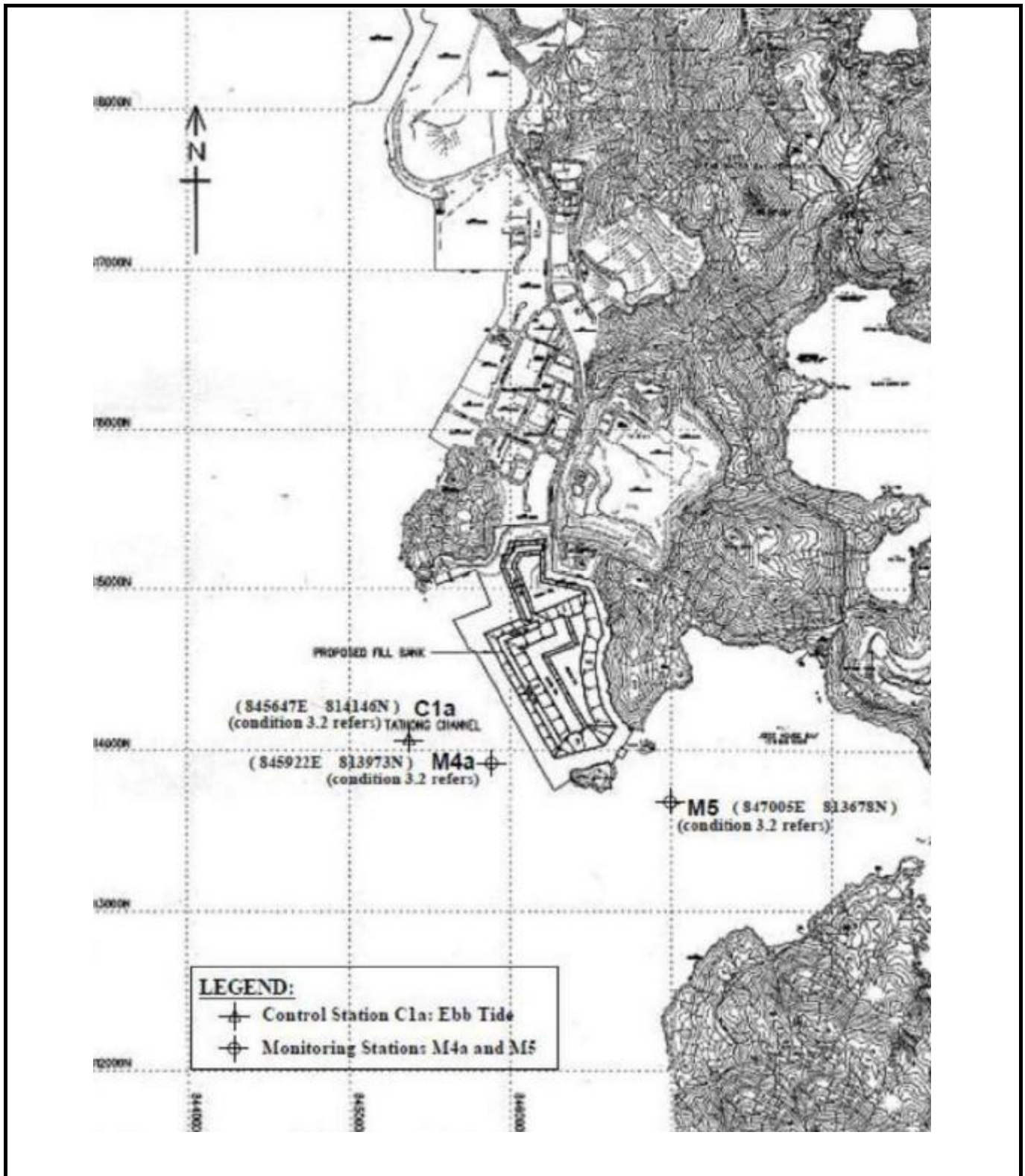


Figure 3 Location of Water Quality Monitoring