

## Agreement No. CE 30/2018 (EP) Environmental Team for Kai Tak Sports Park – Design and Construction

Quarterly EM&A Report (Oct 2023 – Dec 2023)

January 2024

Culture, Sports and Tourism Bureau Kai Tak Sports Park Project Office 1/F, Block A Kai Tak Sports Park Site Office Muk Tai Street Kai Tak, Kowloon

## Agreement No. CE 30/2018 (EP) Environmental Team for Kai Tak Sports Park – Design and Construction

Quarterly EM&A Report (Oct 2023 – Dec 2023)

January 2024



#### Environmental Permit No. EP-544/2017

#### Kai Tak Sports Park - Investigation

#### **Independent Environmental Checker Verification**

Reference Document/Plan

Document/Plan to be Certified/ Verified: Quarterly EM&A Report No. 19 (October to December

2023)

Date of Report: 25 January 2024

Date received by IEC: 25 January 2024

Reference EP Condition / EM&A Manual

EM&A Manual (AEIAR-204/2017)

Sections 2.5.1 (v) & 14.1.1

The ET should prepare monthly, quarterly and final EM&A reports to summarize environmental performance and to anticipate future key issues.

The ET shall prepare baseline monitoring report, monthly EM&A reports, quarterly EM&A report and final EM&A report. They shall be submitted to the EPD in paper and electronic formats in a timely manner.

#### **IEC Verification**

I hereby verify that the above referenced document/plan complies with the above referenced condition of EP-544/2017/EM&A Manual.

Ms Mandy To

Mondy 20.

Date: 25 January 2024

Independent Environmental Checker

Our ref: 0500384\_IEC Verification Cert\_KTSP\_Quarterly EM&A Rpt No.19.docx





#### **Environmental Permit No. EP-544/2017**

Kai Tak Sports Park - Investigation

#### **Environmental Team Leader Certification**

#### **Reference Document /Plan**

Document/Plan to be Certified: Quarterly EM&A Report (Oct 2023 – Dec 2023)

Date of Report: 25 January 2024

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The ET shall prepare baseline monitoring report, monthly EM&A reports, quarterly EM&A report and final EM&A report. They shall be submitted to the EPD in paper and electronic formats in a timely manner.

#### **ETL Certification**

I hereby certify that the above reference document complies with the above referenced condition of EP-544/2017.

Mr Sunny Chan

Sumy Chan

Environmental Team Leader Date: 25 January 2024

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### **Executive Summary**

This is the 19<sup>th</sup> Quarterly Environmental Monitoring & Audit (EM&A) Report for the construction phase of the Kai Tak Sports Park (KTSP) Project which summaries findings of the EM&A programme during the reporting period from 1 October 2023 to 31 December 2023 (the "reporting period") under the Environmental Permit (No. EP-544/2017) requirement.

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

The monthly EM&A programme was implemented by Environmental Team (ET) in accordance with the approved EM&A Manual. A summary of the EM&A activities during the reporting period is presented below:

Activities	Locations	Dates
Air quality impact monitoring (1-hour TSP)	AMS1-T*, AMS2, AMS4	5, 11, 17, 21, 27 Oct 2023 2, 8, 14, 20, 24, 30 Nov 2023 6, 12, 18, 22, 28 Dec 2023
Noise impact monitoring ( $L_{eq (30  min)}$ )	NMS1-T*, NMS2, NMS4	5, 11, 17, 27 Oct 2023 2, 8, 14, 20, 30 Nov 2023 6, 12, 18, 28 Dec 2023
Weekly environmental site inspections	Kai Tak Sports Park Project Site	4, 11, 18, 25, 31 Oct 2023 8, 15, 21, 29 Nov 2023 6, 13, 21, 27 Dec 2023
Bi-weekly landscape and visual site inspections	Kai Tak Sports Park Project Site	11, 25 Oct 2023 8, 21 Nov 2023 6, 21 Dec 2023

#### \*Note:

During the reporting period, monitoring station, Hong Kong Society for the Blind Workshop (AMS1 and NMS1), was no longer open for impact monitoring from 1 September 2022, due to relocation of the Hong Kong Society for the Blind Workshop.

Agriculture, Fisheries and Conservation Department Kowloon Animal Management Centre (AMS1-T and NMS1-T) were proposed to conduct dust monitoring and noise impact monitoring during the reporting period.

Details of temporary alternative monitoring locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021.

#### **Breaches of Action and Limit Levels**

#### Air Quality

No Action and Limit Level exceedances of 1-hour TSP level was recorded at AMS1-T, AMS2 and AMS4 during the reporting period.

#### Noise

Two noise related complaints were received during the reporting period. Two Action Level exceedances for noise were triggered during the reporting period.

No Limit Level exceedances of noise at NMS1-T, NMS2 and NMS4 was recorded during the reporting period.

#### **Complaint Log**

There were two complaints received in relation to the environmental impact during the reporting period.

#### **Summary of Complaints in the Reporting Month**

Date of Notification from EPD	Date of Complaint	Description of Complaint	Recommendations / Actions	Close-Out Date / Status
2 Nov 2023	26 Oct 2023	- Complaint of noise nuisance from the Construction site of The Kai Tak Sports Park at Kai Tak Development Area, Kowloon Please ensure the work fulfill the relevant environmental legislations and their subsidiary regulations.	1. All subcontractors had been reminded to switch off all powered mechanical equipment every day after finish working during subcontractor meetings.  2. The latest Construction Noise Permit has been provided to subcontractor for their perusal.  3. Technician night shift team will patrol the north site area every day to ensure all unnecessary construction equipment are off.  4. Implementation of construction noise mitigation measures recommended in EIA's Environmental Mitigation Implementation Schedule.	8 Nov 2023

Date of Notification from EPD	Date of Complaint	Description of Complaint	Recommendations / Actions	Close-Out Date / Status
30 Nov 2023 (Referred by CSTB)	N/A	-Complaint of noise nuisance from Kai Tak Sports Park demolition work from 7:00 a.m.to 7:00 p.m Please ensure the work fulfill the relevant environmental legislations and their subsidiary regulations.	1. Regular site inspection to ensure all construction work comply with environmental legislation requirement. 2. Regular noise monitoring implemented near Kai Tak Sport Park site area throughout demolition work to ensure compliance of relevant environmental regulation. 3. Implementation of construction noise mitigation measures recommended in EIA's Environmental Mitigation Implementation Schedule.	28 Dec 2023

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

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

#### **Reporting Changes**

There was no reporting change during the reporting period.

# 1 Project Information

#### 1.1 Project Organisation

The organisation chart and lines of communication with respect to the on-site environmental management structure of the key personnel are 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	Telephone	Fax
Project Proponent (Home Affairs Bureau)	Project Director (Sports Park)	Edwin Wong	3586 3403	3586 0591
Supervising Officer's Representative (Home Affairs Bureau)	Senior Engineer	Keith Man	3586 3149	3586 0591
Environmental Team	Environmental Team Leader	Sunny Chan	2828 5962	2827 1823
(Mott MacDonald Hong Kong Limited)	Deputy Environmental Team Leader	Ken Wong	2828 5757	2827 1823
Independent Environmental Checker (ERM Hong Kong Limited)	Independent Environmental Checker	Mandy To	2271 3000	3015 8052
Contracted Party (Kai Tak Sports	Assistant Contract Manager	Eric Chung	3552 5003	2845 9295
Park Limited)	Environmental Officer	Gary Yim	3552 5013	3552 5099
Hotel and Office Dev	velopment			
Project Manager (Sanon Limited)	Senior Group Project Director	David Lee	2910 8368	2815 9949
	Project Manager	William Chan	2910 8363	2815 9949
Project Architect (P&T Architects & Engineers Limited)	Project Architect	Patrick Chan	2832 7205	-
Contractor (Hip Hing Construction Co. Ltd.)	Project Manager	Michael Wong	96719952	-
24-hour Community Liaison Hotline	-	-	5587 6112	-

#### 1.2 Works Area and Construction Programme

The construction works commenced on 8 April 2019. The works area of the Project is shown in **Appendix B**. The Construction Works Programme of the Project is provided in **Appendix C**.

#### 1.3 Construction Works undertaken during the Reporting Period

A summary of construction activities undertaken during this reporting period is presented below:

Table 1.2: Construction Works undertaken during the Reporting Period

October 2023	November 2023	December 2023
KTSP		
Mobilization and lifting;	<ul> <li>Mobilization and lifting;</li> </ul>	<ul> <li>Mobilization and lifting;</li> </ul>
<ul> <li>Concreting;</li> </ul>	<ul> <li>Concreting;</li> </ul>	<ul> <li>Concreting;</li> </ul>
<ul> <li>Excavation;</li> </ul>	<ul> <li>Excavation;</li> </ul>	<ul> <li>Excavation;</li> </ul>
<ul> <li>Main Stadium pre-cast material delivery</li> </ul>	<ul> <li>Main Stadium pre-cast material delivery; and</li> </ul>	<ul> <li>Main Stadium pre-cast material delivery; and</li> </ul>
<ul> <li>Public Sports Ground drainage layer construction; and</li> </ul>	<ul> <li>Landscape work.</li> </ul>	<ul> <li>Landscape work</li> </ul>
<ul> <li>Landscape work.</li> </ul>		
H/O Development		
Excavation;	Excavation;	Excavation;
Concreting; and	<ul> <li>Concreting; and</li> </ul>	<ul> <li>Concreting; and</li> </ul>
Landscape work	<ul> <li>Landscape work</li> </ul>	<ul> <li>Landscape work</li> </ul>

## 2 Summary of EM&A Requirement

#### 2.1 EM&A Requirement

In accordance with the EM&A Manual of the Project, the EM&A programme was established to assure compliance with the standards and predictions in the EIA study involving the construction and operation of the Project. The environmental performance was routinely monitored and audited for evaluating the effectiveness of the recommended mitigation measures or remedial action. Impact air quality and noise monitoring were required for the Project.

#### **Air Quality**

#### 2.2 Air Quality Monitoring Parameters, Frequency and Duration

**Table 2.1** summarises the monitoring parameters, frequency and duration of impact air quality monitoring.

Table 2.1: Air Quality Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration
1-hour TSP	3 times every six-days

#### 2.3 Air Quality Monitoring Locations

According to the EM&A Manual, a total of five air quality monitoring stations were identified for impact monitoring. Of these, two air quality sensitive receivers AMS3 and AMS5 are planned residential use and were currently not available for impact monitoring during the reporting period.

Monitoring station AMS4, the originally planned residential use at Kai Tak Area 1K Site 3 (i.e. The Henley) has been in occupation in July 2022. The detail of the proposed monitoring station is shown as follow:

**Table 2.2: Detail of Proposed Dust Monitoring Station** 

<b>Monitoring Station</b>	Description in EM&A Manual	<b>Proposed Monitoring Station</b>
AMS4	Kai Tak Area 1K Site 3 (1K3) (residential use)	Rooftop of Retail Building in front of The Henley

**Table 2.3** describes the impact air quality monitoring stations and <u>Figure 2.1</u> shows their locations.

**Table 2.3: Construction Dust Monitoring Locations** 

<b>Monitoring Station</b>	Location	Status
AMS1	Hong Kong Society for the Blind Workshop, Roof Floor	Existing Air Sensitive Receiver
AMS2	Sky Tower, Podium of Tower 7	Existing Air Sensitive Receiver
AMS4	Retail Building in front of The Henley, Rooftop	Existing Air Sensitive Receiver
AMS3	Kai Tak Area 2B Site 4 (2B4) (residential use)	Planned Air Sensitive Receiver
AMS5	Kai Tak Area 1L Site 3 (1L3) (residential use)	Planned Air Sensitive Receiver

During the reporting period, monitoring station AMS1 was no longer open for impact monitoring from 1 September 2022, due to relocation of the Hong Kong Society for the Blind Workshop.

Temporary air quality monitoring station, AMS1-T, was used to conduct dust monitoring in September 2022. Details of temporary alternative monitoring locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021.

The details of temporary monitoring station are described in **Table 2.4** and the location of temporary monitoring station is shown in **Figure 2.1**.

**Table 2.4: Temporary Construction Dust Monitoring Location** 

<b>Monitoring Station</b>	Location	Status
AMS1-T	Agriculture, Fisheries and Existing Air Sensitive Receiver Conservation Department Kowloon	
	Animal Management Centre, 102	
	Sung Wong Toi Road	

#### 2.4 Action and Limit Levels for Air Quality Monitoring

The Action and Limit Levels for 1-hr TSP are provided in Table 2.5.

Table 2.5: Action and Limit Levels for 1-hour TSP

Monitoring Station	Action Level, μg/m <sup>3</sup>	Limit Level, µg/m³
AMS1 – Hong Kong Society for the Blind Workshop, Roof Floor	283	500
AMS2 – Sky Tower, Podium of Tower 7	280	500
AMS3 - Kai Tak Area 2B Site 4 (2B4) (residential use)	287*	500
AMS4 - Kai Tak Area 1K Site 3 (1K3) (residential use)	287*	500
AMS5 - Kai Tak Area 1L Site 3 (1L3) (residential use)	287*	500

<sup>\*</sup>Remarks: the Action Level for AMS3, AMS4 and AMS5 were derived from an alternative monitoring station AMS3-4-5 during the baseline monitoring.

The event and action plan is provided in **Appendix D**.

#### 2.5 Wind Data

Wind data at Kai Tak automatic weather station collected from the Hong Kong Observatory (HKO) were used for the air quality monitoring for recording wind speed and wind direction. It is considered that the wind data obtained at the existing Kai Tak wind station are representative of the Project area and could be used for undertaking the construction phase baseline and impact air quality monitoring programme for the Project.

The detail of the wind data is shown in **Appendix F**.

#### **Noise**

#### 2.6 Noise Monitoring Parameters, Frequency and Duration

**Table 2.6** summarises the monitoring parameters, frequency and duration of impact noise monitoring.

Table 2.6: Noise Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration
30-minutes measurement at each monitoring station between 0700 and 1900 on normal weekdays (Monday to Saturday).	At least once per week
$L_{\text{eq}}$ , $L_{10}$ and $L_{90}$ would be recorded.	

#### 2.7 Noise Monitoring Locations

According to the approved EM&A Manual, a total of seven noise monitoring stations were identified for the impact monitoring locations. Of these, four noise sensitive receivers NMS1A, NMS2A, NMS3 and NMS5 are planned residential use and were currently not available for impact monitoring during the reporting period.

Monitoring station NMS4, the originally planned residential use at Kai Tak Area 1K Site 3 (i.e. The Henley) has been in occupation in July 2022. The detail of the proposed monitoring stations are shown as follow:

**Table 2.7: Detail of Proposed Noise Monitoring Location** 

<b>Monitoring Station</b>	Description in EM&A Manual	<b>Proposed Monitoring Station</b>
NMS4	Kai Tak Area 1K Site 3 (1K3) (residential use)	Rooftop of Retail Building in front of The Henley (Façade Measurement)

**Table 2.8** describes the details of the monitoring stations and <u>Figure 2.2</u> shows the locations of noise monitoring stations.

**Table 2.8: Construction Noise Monitoring Locations** 

<b>Monitoring Station</b>	<b>Location Description</b>	Status	
NMS1	Hong Kong Society for the Blind	Existing Noise Sensitive	
	Workshop, Roof Floor	Receiver	
NMS2	Sky Tower, Podium of Tower 7	Existing Noise Sensitive	
		Receiver	
NMS4	Retail Building in front of The	Existing Noise Sensitive	
	Henley, Rooftop	Receiver	
NMS1A	Sung Wong Toi Road Public	Planned Noise Sensitive	
	Housing Site	Receiver	
NMS2A	Sung Wong Toi Road CDA Site	Planned Noise Sensitive	
	(mixed use)	Receiver	
NMS3	Kai Tak Area 2B Site 4 (2B4)	Planned Noise Sensitive	
	(residential use)	Receiver	
NMS5	Kai Tak Area 1L Site 3 (1L3)	Planned Noise Sensitive	
	(residential use)	Receiver	

During the reporting period, monitoring station NMS1 was no longer open for impact monitoring from 1 September 2022, due to relocation of the Hong Kong Society for the Blind Workshop.

Temporary noise monitoring station, NMS1-T, was used to conduct noise monitoring from September 2022. Details of temporary alternative monitoring locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021. The details of temporary monitoring station are described in **Table 2.9** and the location of noise monitoring station is shown in **Figure 2.2** 

**Table 2.9: Temporary Construction Noise Monitoring Location** 

Monitoring Station	Location Description	Status	Type of Measurement
NMS1-T	Agriculture, Fisheries and Conservation Department	Existing Noise Sensitive Receiver	Façade
	Kowloon Animal Management Centre, 102 Sung Wong Toi Road		

#### **Action and Limit Levels for Noise Monitoring**

The Action and Limit Levels for construction noise are defined in Table 2.10

Table 2.10: Action and Limit Level for Construction Noise

<b>Monitoring Station</b>	Time Period	Action Level	Limit Level
NMS1 NMS2	0700 – 1900 hours on normal weekdays	When one documented complaint is received	75 dB(A)
NMS4			

The event and action plan is provided in **Appendix D**.

## 3 Summary of Environmental Status

#### 3.1 Construction Works undertaken during the Reporting Period

A summary of construction activities undertaken during this reporting period is presented below:

Table 3.1: Construction Works undertaken during the Reporting Period

October 2023	November 2023	December 2023
KTSP		
Mobilization and lifting;	<ul> <li>Mobilization and lifting;</li> </ul>	Mobilization and lifting;
<ul> <li>Concreting;</li> </ul>	<ul> <li>Concreting;</li> </ul>	<ul> <li>Concreting;</li> </ul>
<ul> <li>Excavation;</li> </ul>	<ul> <li>Excavation;</li> </ul>	<ul> <li>Excavation;</li> </ul>
<ul> <li>Main Stadium pre-cast material delivery</li> </ul>	<ul> <li>Main Stadium pre-cast material delivery; and</li> </ul>	<ul> <li>Main Stadium pre-cast material delivery; and</li> </ul>
<ul> <li>Public Sports Ground drainage layer construction; and</li> </ul>	<ul> <li>Landscape work</li> </ul>	<ul> <li>Landscape work</li> </ul>
<ul> <li>Landscape work</li> </ul>		
H/O Development		
Excavation;	Excavation;	Excavation;
<ul> <li>Concreting; and</li> </ul>	<ul> <li>Concreting; and</li> </ul>	<ul> <li>Concreting; and</li> </ul>
<ul> <li>Landscape work</li> </ul>	<ul> <li>Landscape work</li> </ul>	<ul> <li>Landscape work</li> </ul>

#### 3.2 Implementation Status of Environmental Mitigation Measures

Regular site inspections and audits were carried out to monitor the implementation of proper environmental pollution control mitigation measures for the Project. **Table 3.2** shows the summary of site inspection and audit conducted during the reporting period.

Table 3.2: Summary of Site Inspection and Landscape Audit during the Reporting Period

Activities	Locations	Dates
Weekly environmental site inspections	Kai Tak Sports Park Project Site	4, 11, 18, 25, 31 Oct 2023 8, 15, 21, 29 Nov 2023 6, 13, 21, 27 Dec 2023
Bi-weekly landscape and visual site inspections	Kai Tak Sports Park Project Site	11, 25 Oct 2023 8, 21 Nov 2023 6, 21 Dec 2023

A summary of the environmental mitigation measures implementation status is presented in **Appendix I**. Most of the necessary mitigation measures were implemented properly. A summary of the environmental licenses and permits is presented in **Appendix H**.

#### 3.3 Monitoring Results

The monitoring results for 1-hour TSP at AMS1-T, AMS2, and AMS4 are summarized in **Table 3.3**. Detailed impact air quality monitoring results are presented in **Appendix E**. The calibration certificate for the dust meter used during monitoring is shown in **Appendix K**.

Table 3.3: Summary of 1-hour TSP Monitoring Results during the Reporting Period

Monitoring Station	Average, µg/m³	Min, μg/m³	Max, μg/m³	Action Level, µg/m³	Limit Level, µg/m³
AMS1-T	49	27	75	283	500
AMS2	40	24	64	280	500
AMS4	40	21	71	287	500

There was no Action and Limit Level exceedance of 1-hr TSP level recorded at station AMS1-T, AMS2 and AMS4 by the ET during the reporting period.

The monitoring results for construction noise are summarized in **Table 3.4**. Detailed impact noise monitoring results and relevant graphical plots are presented in **Appendix E**. The calibration certificate for the noise meter used during monitoring is shown in **Appendix K**.

Table 3.4: Summary of Construction Noise Monitoring Results during the Reporting Period

	ı	Measured Noise Le	vel L <sub>eq (30 mins)</sub> , dB(A	A)
Monitoring Station	Average	Min	Max	Limit Level
NMS1-T	72	71	73	75
NMS2	70	69	73	75
NMS4	66	64	69	75

No noise exceedances were recorded at stations NMS1-T, NMS2 and NMS4 by the ET during the reporting period.

#### 3.4 Solid and Liquid Waste Management Status

The summary of waste flow table during the reporting period is detailed in **Appendix G**.

The comparison of estimated amount of waste generated for construction of the Project and actual amount generated during the reporting period is showed in **Table 3.5**.

Mitigation measures recommended in EIA Report were implemented by the Contractor as far as practicable and were considered effective in reducing the total quantity of waste generated during the reporting period.

Table 3.5: Comparison of Estimated Amount and Actual Amount of Waste Generated during the Reporting Period

Type of Waste	Estimated Amount for the Project in the EIA (m³)	Actual Amount during Reporting Period (000kg)	Actual Amount during Reporting Period* (m³)
Inert C&D materials (or public fills) to be disposed of	447,464	45,448	34,960
Non-inert C&D materials (or C&D waste) to be disposed of	68,110	5,587	6,984
Total C&D material of the Project	515,574	51,035	41,944

\*Note:

Assumed Inert C&D waste density = 1,300 kg/m<sup>3</sup> Assumed Non-inert C&D waste density = 800 kg/m<sup>3</sup>

#### 3.5 Summary of Non-compliance Status

#### **Exceedances**

#### **Air Quality**

No Action and Limit Level exceedances of 1-hour TSP level was recorded at AMS1-T, AMS2 and AMS4 during the reporting period.

#### Noise

Two noise related complaints were received during the reporting period. Two Action Level exceedances for noise were triggered during the reporting period.

No Limit Level exceedances of noise at NMS1-T, NMS2 and NMS4 was recorded during the reporting period.

#### **Complaints**

There was two complaints received in relation to the environmental impact during the reporting period. Summary of complaints during the reporting period are presented in **Table 3.6**.

Table 3.6: Summary of Complaints during the Reporting Period

Date of Notification from EPD	Date of Complaint	Description of Complaint	Recommendations / Actions	Close-Out Date / Status
2 Nov 2023	26 Oct 2023	- Complaint of noise nuisance from the Construction site of The Kai Tak Sports Park at Kai Tak Development Area, Kowloon Please ensure the work fulfill the relevant environmental legislations and their subsidiary regulations.	1. All subcontractors had been reminded to switch off all powered mechanical equipment every day after finish working during subcontractor meetings.  2. The latest Construction Noise Permit has been provided to subcontractor for their perusal.  3. Technician night shift team will patrol the north site area every day to ensure all unnecessary construction equipment are off.  4. Implementation of construction noise mitigation measures recommended in EIA's Environmental Mitigation Implementation Schedule.	8 Nov 2023
30 Nov 2023 (Referred by CSTB)	N/A	-Complaint of noise nuisance from Kai Tak Sports Park demolition work from 7:00 a.m.to 7:00 p.m Please ensure the work fulfill the relevant environmental legislations and their subsidiary regulations.	1. Regular site inspection to ensure all construction work comply with environmental legislation requirement. 2. Regular noise monitoring implemented near Kai Tak Sport Park site area throughout demolition work to ensure compliance of	28 Dec 2023

Date of Notification from EPD	Date of Complaint	Description of Complaint	Recommendations / Actions	Close-Out Date / Status
			relevant environmental regulation. 3. Implementation of construction noise mitigation measures recommended in EIA's Environmental Mitigation Implementation Schedule.	

#### **Notification of Summons and Successful Prosecution**

No notification of summons or prosecutions was received during the reporting period.

Statistics on notifications of summons and successful prosecutions are summarized in  ${\color{red}{\bf Appendix}}\ {\color{red}{\bf J}}.$ 

# 4 Comments, Recommendations and Conclusion

#### 4.1 Comments

Mitigation measures in the EM&A Manual were implemented during the reporting period. The weekly environmental site inspections ensured that all the environmental mitigation measures recommended were effectively implemented. Based on observation from the site inspections, landscape audits, and the air quality and noise impact monitoring results recorded, it was considered that mitigation measures were effective and efficient in controlling the potential impacts due to construction of the project during the reporting period.

#### 4.2 Recommendations

During the reporting period, the following recommendations were provided:

#### October 2023

#### KTSP

- The contractor was reminded to provide drip tray for the chemical container.
- The contractor was reminded to dispose of the general refuse properly.
- The contractor was reminded to provide covering for stockpile on site.
- The contractor was reminded to provide temporary water pump to clear the stagnant water.
- The contractor was reminded to store waste materials properly.
- The contractor was reminded to provide water spraying for haul road to maintain wet surface.

#### H/O Development

- The contractor was reminded to dispose of the general refuse properly.
- The contractor was reminded to provide water spraying to maintain wet surface.
- The contractor was reminded to provide water spraying for breaking work on site.

#### November 2023

#### KTSP

- The contractor was reminded to provide drip tray for the chemical container.
- The contractor was reminded to provide water spraying on the haul road to maintain wet surface.
- The contractor was reminded to clear the general refuse regularly.
- The contractor was reminded to provide water spraying for the breaking work.
- The contractor was reminded to provide water spraying during loading and unloading work for dusty material.

#### H/O Development

Nil

#### December 2023

#### KTSP

- The contractor was reminded to display the latest construction noise permit at all site entrance.
- The contractor was reminded to dispose of the general refuse properly.
- The contractor was reminded to provide drip trays for the chemical container.
- The contractor was reminded to provide water spraying during the breaking work on site.
- The contractor was reminded to provide water spraying for the haul road.

#### H/O Development

The contractor was reminded to display NRMM label on the skid steer loader.

Review of the effectiveness and efficiency of the EM&A programme will be continued, and recommendations will be provided to remediate any potential impacts due to the project and to improve the EM&A programme if deficiencies of the existing EM&A programme are identified.

#### 4.3 Conclusions

#### General

The construction works for the Project commenced on 8 April 2019. This is the 19<sup>th</sup> Quarterly EM&A Report for the Project summarises findings of the EM&A works during the reporting period from 1 October 2023 to 31 December 2023. (the "reporting period").

#### **Breaches of Action and Limit Levels**

#### Air Quality

No Action and Limit Level exceedances of 1-hour TSP level was recorded at AMS1-T, AMS2 and AMS4 during the reporting period.

#### **Noise**

Two noise related complaints were received during the reporting period. Two Action Level exceedances for noise were triggered during the reporting period.

No Limit Level exceedances of noise at NMS1-T, NMS2 and NMS4 was recorded during the reporting period.

#### **Environmental Site Inspections**

Environmental site inspections were carried out thirteen times during the reporting period. Recommendations on remedial actions were given to the Contracted Party for the deficiencies identified during the site inspections.

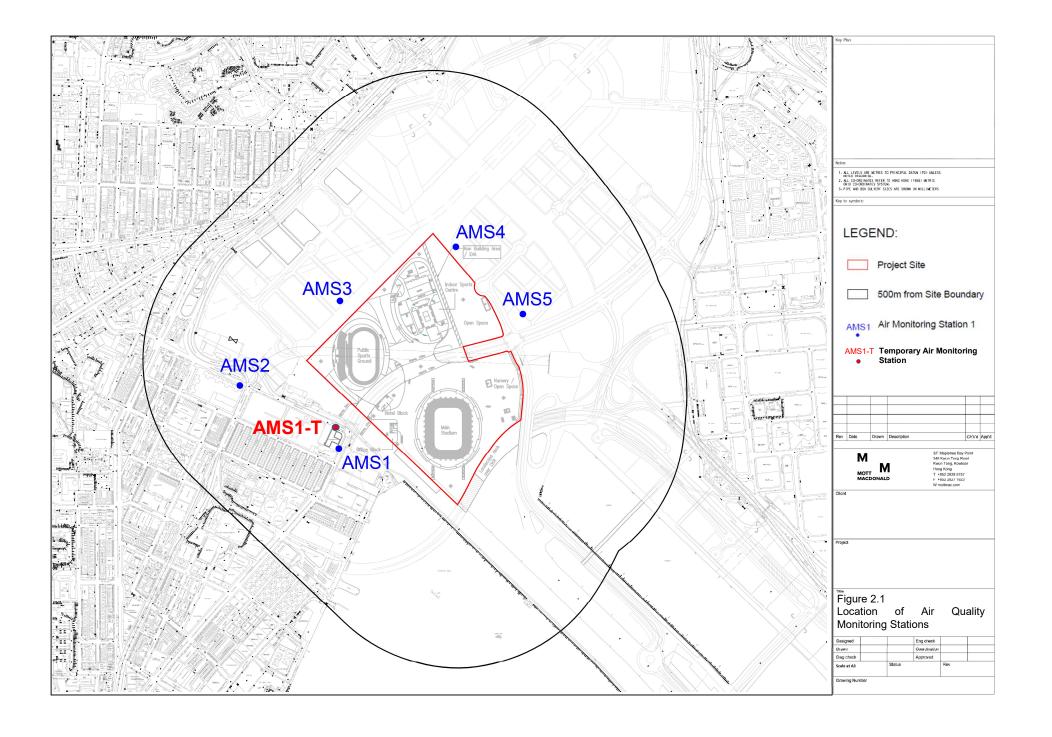
#### **Complaints**

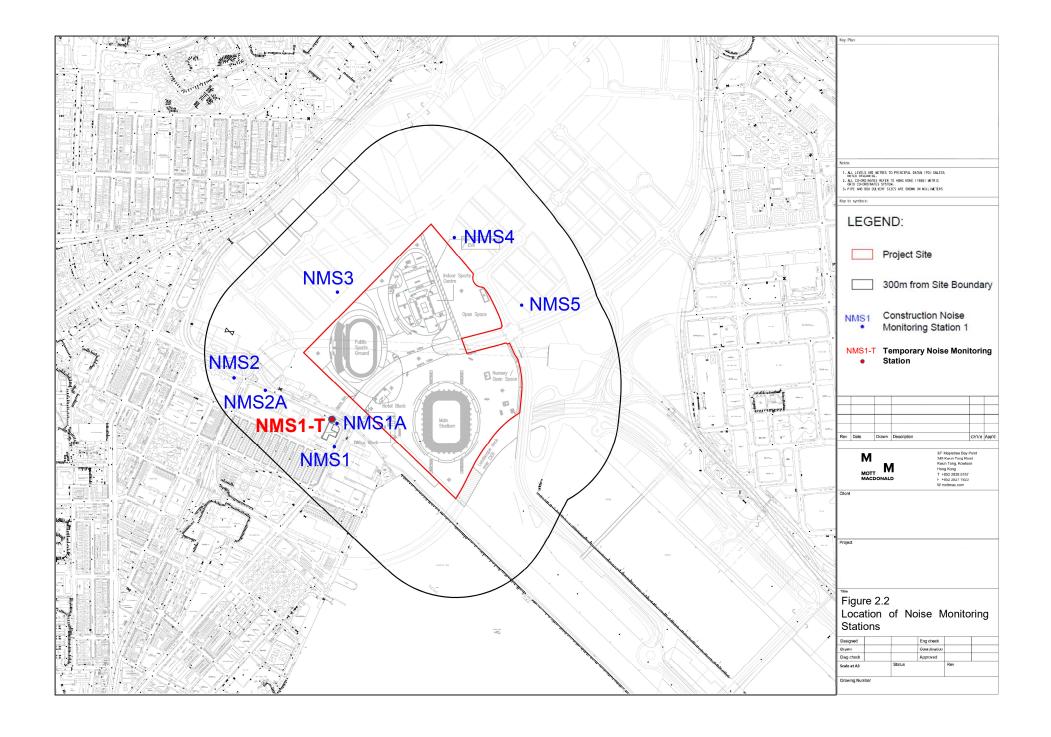
There were two complaints received in relation to the environmental impact during the reporting period. Complaint investigations were conducted and mitigation measures were implemented.

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

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

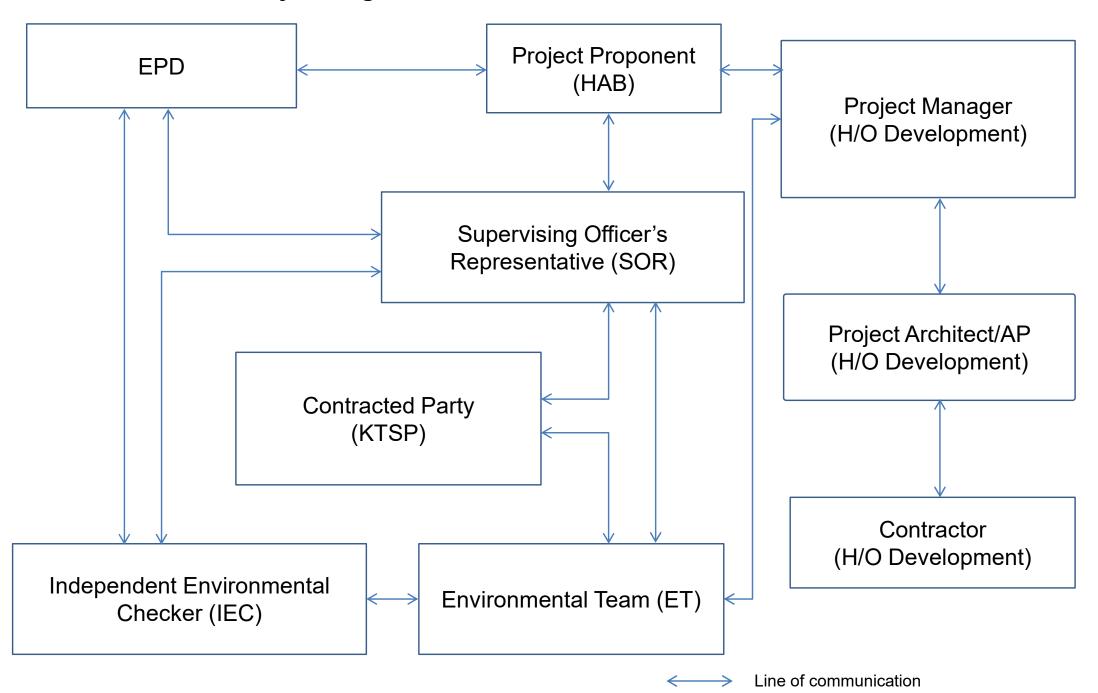
# **Figures**



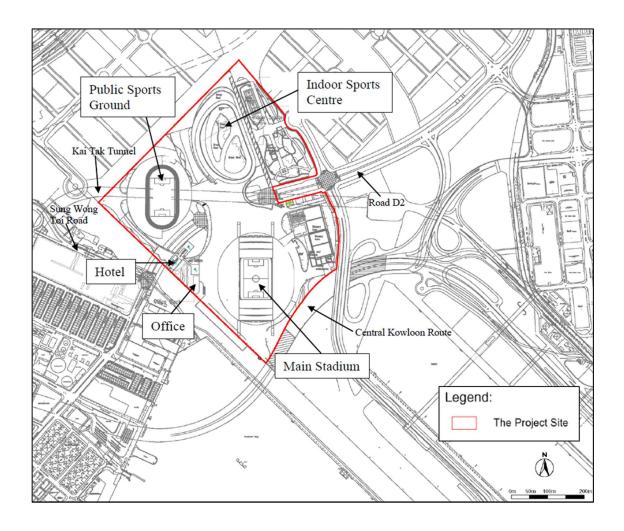


# **Appendix A. Project Organization for Environmental Works**

# **Project Organisation for Environmental Works**



# **Appendix B. Location of Works Areas**



# **Appendix C. Construction Programme**

## **Construction Programme (Oct 2023 to Jan 2024)**

# **Kai Tak Sports Park**

		2023					2024					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Plants Mobilization												
Loading/ Unloading of Materials												
Excavation												
C&D Waste Disposal												
Concreting												
Lifting												
C&D Materials Internal Transportation												
Main Stadium Pre-cast Material Delivery												
Construction of Drainage Layer (PSG)												
Landscape Work												
Turf Laying (PSG)												
Baseline Water Sampling (PSG)												

## **Hotel and Office Development**

	2023				2024							
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Loading/Unloading of Materials												
Excavation												
Concreting												
Landscape Work						1						
C&D Waste Disposal												

# **Appendix D. Event and Action Plan**

Should non-compliance of the air quality criteria occur, actions in accordance with the Event and Action Plan in **Table D.1** and **Table D.2** shall be carried out.

Table D.1: Event and Action Plan for Construction Air Quality (Action Level)

Event	Action							
	ET	IEC	SOR	<b>Contracted Party</b>				
Action Level								
Exceedance for one sample	Inform IEC, SOR and Contracted Party;     Identify source, investigate the causes of exceedance and propose remedial measures;     Repeat measurement to confirm finding.	Check monitoring data submitted by ET;     Check Contracted Party's working method.	Notify Contracted Party.	Rectify any unacceptable practice;     Amend working methods if appropriate.				
Exceedance for two or more consecutive samples	1. Inform IEC, SOR and Contracted Party; 2. Identify source; 3. Advise the SOR on the effectiveness of the proposed remedial measures; 4. Repeat measurements to confirm findings; 5. Increase monitoring frequency to daily; 6. Discuss with IEC, SOR and Contracted Party on remedial actions required; 7. If exceedance continues, arrange meeting with IEC and SOR; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contracted Party's working method; 3. Discuss with ET and Contracted Party on possible remedial measures; 4. Advise the ET/SOR on the effectiveness of the proposed remedial measures; 5. Supervise Implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contracted Party; 3. Ensure remedial measures properly implemented.	1. Submit proposals for remedial to SOR and IEC within 3 working days of notification; 2. Implement the agreed proposals; 3. Amend proposal if appropriate.				

Table D.2: Event and Action Plan for Construction Air Quality (Limit Level)

Event	Action							
	ET	IEC	SOR	Contracted Party				
Limit Level								
Exceedance for one sample	1. Inform IEC, SOR, Contracted Party and EPD; 2. Identify source, investigate the causes of exceedance and propose remedial measures; 3. Repeat measurement to confirm finding; 4. Increase monitoring frequency to daily; 5. Assess effectiveness of Contracted Party's remedial actions and keep IEC, EPD and SOR informed of the results.	1. Check monitoring data submitted by ET; 2. Check Contracted Party's working method; 3. Discuss with ET and Contracted Party on possible remedial measures; 4. Advise the SOR on the effectiveness of the proposed remedial measures; 5. Supervise implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contracted Party; 3. Ensure remedial measures properly implemented.	1. Take immediate action to avoid further exceedance; 2. Discuss with ET and IEC on remedial actions; 3. Submit proposals for remedial actions to IEC within 3 working days of notification; 4. Implement the agreed proposals; 5. Amend proposal if appropriate.				
Exceedance for two or more consecutive samples	1. Notify IEC, SOR, Contracted Party and EPD; 2. Identify source; 3. Repeat measurement to confirm findings; 4. Increase monitoring frequency to daily; 5. Carry out analysis of Contracted Party's working procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and SOR and Contracted Party to discuss the remedial actions to be taken; 7. Assess effectiveness of Contracted Party's remedial actions and keep IEC, EPD and SOR informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Check monitoring data submitted by ET; 2. Check Contracted Party's working method; 3. Discuss amongst SOR, ET, and Contracted Party on the potential remedial actions; 4. Review Contracted Party's remedial actions whenever necessary to assure their effectiveness and advise the SOR accordingly; 5. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contracted Party; 3. In consultation with the IEC, agree with the Contracted Party on the remedial measures to be implemented; 4. Ensure remedial measures properly implemented; 5. If exceedance continues, consider what portion of the work is responsible and instruct the Contracted Party to terminate that portion of work until the exceedance ceases.	1. Take immediate action to avoid further exceedance; 2. Discuss with ET and IEC on remedial actions; 3. Submit proposals for remedial actions to SOR and IEC within 3 working days of notification; 4. Implement the agreed proposals; 5. Resubmit proposals if problem still not under control; 6. Stop the relevant portion of works as determined by the SOR until the exceedance ceases.				

Should non-compliance of the noise criteria occur, actions in accordance with the Event and Action Plan in **Table D.3** shall be carried out.

Table D.3: Event and Action Plan for Construction Noise

Event	Action								
	ET	IEC	SOR	Contracted Party					
Action Level	1. Notify IEC, SOR and Contracted Party of exceedance; 2. Identify source; 3. Investigate the causes of exceedance and propose remedial measures; 4. Report the results of investigation to the IEC, SOR and Contracted Party; 5. Discuss with the IEC, SOR and Contracted Party and formulate remedial measures; 6. Increase monitoring frequency to check mitigation effectiveness.	1. Review the analysed results submitted by the ET; 2. Review the proposed remedial measures by the Contracted Party and advise the SOR accordingly; 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contracted Party; 3. Require Contracted Party to propose remedial measures for the analysed noise problem; 4. Ensure remedial measures are properly implemented	Submit noise mitigation proposals to SOR with copy to ET and IEC;     Implement noise mitigation proposals.					
Limit Level	1. Inform IEC, SOR, EPD and Contracted Party; 2. Identify source; 3. Repeat measurements to confirm findings; 4. Increase monitoring frequency; 5. Carry out analysis of Contracted Party's working procedures to determine possible mitigation to be implemented; 6. Inform IEC, SOR and EPD the causes and actions taken for the exceedances; 7. Assess effectiveness of Contracted Party's remedial actions and keep IEC, EPD and SOR informed of the results; 8. If exceedance stops, cease additional monitoring.	1. Discuss amongst SOR, ET, and Contracted Party on the potential remedial actions; 2. Review Contracted Party's remedial actions whenever necessary to assure their effectiveness and advise the SOR accordingly; 3. Supervise the implementation of remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contracted Party; 3. Require Contracted Party to propose remedial measures for the analysed noise problem; 4. Ensure remedial measures are properly implemented; 5. If exceedance continues, investigate what portion of the work is responsible and instruct the Contracted Party to terminate that portion of work until the exceedance ceases.	1. Take immediate action to avoid further exceedance; 2. Submit proposals for remedial actions to SOR with copy to ET and IEC within 3 working days of notification; 3. Implement the agreed proposals; 4. Resubmit proposals if problem still not under control; 5. Terminate the relevant portion of works as determined by the SOR until the exceedance ceases.					

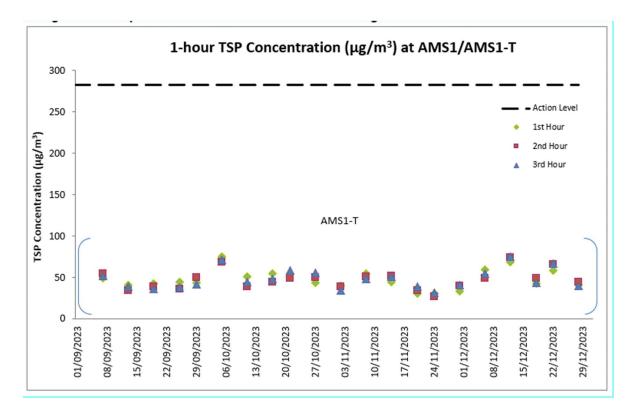
# **Appendix E. Monitoring Data and Graphical Plots (Air Quality and Noise)**

Data for 1-hour TSP Monitoring at Station AMS1/AMS1-T

	Date	Start Time	Finish Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hour TSP (μg/m³)
*	05-Oct-23	9:39	10:39	Sunny	2.8	320	75
*	05-Oct-23	10:39	11:39	Sunny	3.9	350	69
*	05-Oct-23	11:39	12:39	Sunny	5.8	312	72
*	11-Oct-23	9:31	10:31	Fine	3.3	91	51
*	11-Oct-23	10:31	11:31	Fine	3.9	124	39
*	11-Oct-23	11:31	12:31	Fine	2.8	17	45
*	17-Oct-23	9:39	10:39	Fine	4.7	114	55
k	17-Oct-23	10:39	11:39	Fine	4.4	115	45
k	17-Oct-23	11:39	12:39	Fine	6.4	115	48
-	21-Oct-23	8:49	9:49	Cloudy	2.2	45	55
¢	21-Oct-23	9:49	10:49	Cloudy	2.2	60	49
	21-Oct-23	10:49	11:49	Cloudy	2.2	53	59
_	27-Oct-23	9:50	10:50	Fine	3.6	126	44
	27-Oct-23	10:50	11:50	Fine	1.7	139	50
	27-Oct-23	11:50	12:50	Fine	2.8	159	56
_	02-Nov-23	9:34	10:34	Sunny	4.2	106	40
	02-Nov-23	10:34	11:34	Sunny	5.0	120	39
				•		123	35
_	02-Nov-23	11:34	12:34	Sunny	3.3		
	08-Nov-23	9:34	10:34	Cloudy	4.7	121	55
	08-Nov-23	10:34	11:34	Cloudy	4.7	124	51
_	08-Nov-23	11:34	12:34	Cloudy	4.7	107	48
	14-Nov-23	9:49	10:49	Cloudy	2.5	61	45
	14-Nov-23	10:49	11:49	Cloudy	1.7	308	52
_	14-Nov-23	11:49	12:49	Cloudy	1.7	117	51
	20-Nov-23	9:33	10:33	Sunny	1.9	33	31
	20-Nov-23	10:33	11:33	Sunny	3.3	26	35
_	20-Nov-23	11:33	12:33	Sunny	3.1	94	39
	24-Nov-23	9:00	10:00	Sunny	5.8	104	31
	24-Nov-23	10:00	11:00	Sunny	5.0	102	27
	24-Nov-23	11:00	12:00	Sunny	7.2	111	32
	30-Nov-23	9:33	10:33	Fine	1.4	variable	34
	30-Nov-23	10:33	11:33	Fine	2.2	58	40
	30-Nov-23	11:33	12:33	Fine	2.5	131	41
	06-Dec-23	9:33	10:33	Cloudy	1.1	320	60
	06-Dec-23	10:33	11:33	Cloudy	1.7	315	49
	06-Dec-23	11:33	12:33	Cloudy	2.5	338	55
	12-Dec-23	9:34	10:34	Sunny	1.1	168	69
	12-Dec-23	10:34	11:34	Sunny	2.5	122	74
	12-Dec-23	11:34	12:34	Sunny	2.2	38	75
_	18-Dec-23	9:59	10:59	Cloudy	3.6	123	43
	18-Dec-23	10:59	11:59	Cloudy	3.3	106	49
	18-Dec-23	11:59	12:59	Cloudy	3.3	127	44
-	22-Dec-23	9:00	10:00	Cloudy	3.3	312	59
	22-Dec-23	10:00	11:00	Cloudy	2.5	311	66
	22-Dec-23	11:00		Cloudy	1.9	312	67
_			12:00				
	28-Dec-23	9:32	10:32	Cloudy	2.8	125	41
	28-Dec-23	10:32	11:32	Cloudy	3.3	125	45
_	28-Dec-23	11:32	12:32	Cloudy	3.6	134	40

\*Note: During the reporting period, monitoring station AMS1 was no longer open for monitoring from September 2022, due to relocation of the Hong Kong Society for the Blind Workshop. Temporary air quality monitoring station, AMS1-T was used to conduct dust monitoring in September 2022. Details of temporary alternative monitoring locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021.

### **Graphical Presentation for 1-hour TSP Monitoring at AMS1/AMS1-T**



### Kai Tak Sports Park

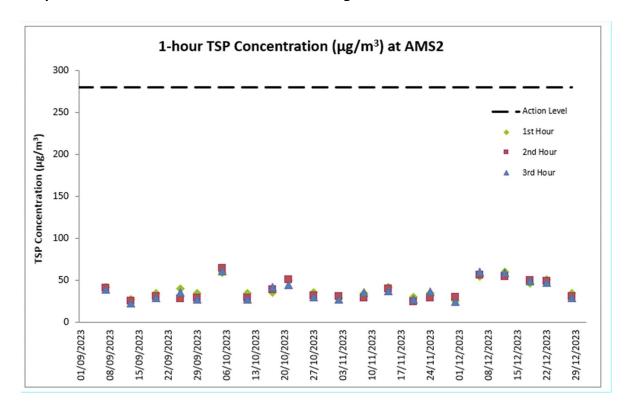
					-		2023		14			
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization									j –			
Loading/ Unloading of Materials												
Excavation												
C&D Waste Disposal										N. Control		
Concreting										1		
Lifting											-	-
C&D Materials Internal Transportation										1		-
Main Stadium Pre-cast Material Delivery											-	-
Construction of Drainage Layer (PSG)									Ţ,			
Landscape Work											-	4
Baseline Water Sampling (PSG)												

						20	023					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Loading/Unloading of Materials											=	_
Excavation											_	_
Concreting											=	_
Landscape Work											-	_
C&D Waste Disposal											-	_

Data for 1-hour TSP Monitoring at Station AMS2

Date	Start Time	Finish Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hour TSP (μg/m³)
05-Oct-23	8:55	9:55	Sunny	4.2	327	59
05-Oct-23	9:55	10:55	Sunny	3.9	327	64
05-Oct-23	10:55	11:55	Sunny	2.5	310	61
11-Oct-23	8:47	9:47	Fine	3.1	26	34
11-Oct-23	9:47	10:47	Fine	3.3	88	29
11-Oct-23	10:47	11:47	Fine	3.1	134	27
17-Oct-23	8:55	9:55	Fine	5.3	128	35
17-Oct-23	9:55	10:55	Fine	6.4	120	39
17-Oct-23	10:55	11:55	Fine	5.6	116	42
21-Oct-23	8:39	9:39	Cloudy	3.3	59	50
21-Oct-23	9:39	10:39	Cloudy	2.8	variable	51
21-Oct-23	10:39	11:39	Cloudy	2.2	variable	44
27-Oct-23	9:04	10:04	Fine	2.5	119	35
27-Oct-23	10:04	11:04	Fine	2.2	126	32
27-Oct-23	11:04	12:04	Fine	2.8	150	30
02-Nov-23	8:50	9:50	Sunny	2.5	108	29
02-Nov-23	9:50	10:50	Sunny	4.2	116	31
02-Nov-23	10:50	11:50	Sunny	3.3	129	27
08-Nov-23	8:50	9:50	Cloudy	5.0	120	34
08-Nov-23	9:50	10:50	Cloudy	3.9	122	29
08-Nov-23	10:50	11:50	Cloudy	5.3	117	35
14-Nov-23	9:05	10:05	Cloudy	2.2	44	42
14-Nov-23	10:05	11:05	Cloudy	2.2	66	40
14-Nov-23	11:05	12:05	Cloudy	1.7	98	37
20-Nov-23	8:50	9:50	Sunny	1.4	19	30
20-Nov-23	9:50	10:50	Sunny	1.7	56	24
20-Nov-23	10:50	11:50	Sunny	1.9	74	27
24-Nov-23	8:50	9:50	Sunny	6.4	113	34
24-Nov-23	9:50	10:50	Sunny	6.1	117	29
24-Nov-23	10:50	11:50	Sunny	7.8	102	36
30-Nov-23	8:49	9:49	Fine	0.8	253	25
30-Nov-23	9:49	10:49	Fine	1.9	13	30
30-Nov-23	10:49	11:49	Fine	1.9	44	24
06-Dec-23	8:50	9:50	Cloudy	1.7	325	54
06-Dec-23	9:50	10:50	Cloudy	1.7	321	56
06-Dec-23	10:50	11:50	Cloudy	2.2	282	60
12-Dec-23	8:50	9:50	Sunny	0.8	213	60
12-Dec-23	9:50	10:50	Sunny	0.8	variable	54
12-Dec-23	10:50	11:50	Sunny	3.3	52	59
18-Dec-23	9:10	10:10	Cloudy	3.6	128	46
18-Dec-23	10:10	11:10	Cloudy	2.5	129	50
18-Dec-23	11:10	12:10	Cloudy	3.9	118	49
22-Dec-23	8:50	9:50	Cloudy	3.9	317	51
22-Dec-23	9:50	10:50	Cloudy	2.2	311	49
22-Dec-23	10:50	11:50	Cloudy	2.2	87	47
28-Dec-23	8:48	9:48	Cloudy	3.1	145	34
28-Dec-23	9:48	10:48	Cloudy	3.3	135	31
28-Dec-23	10:48	11:48	Cloudy	3.9	129	29

### **Graphical Presentation for 1-hour TSP Monitoring at AMS2**



### Kai Tak Sports Park

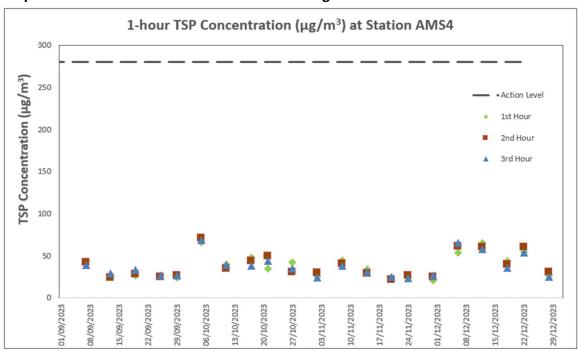
		***				80	2023				60	
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization									ij.			
Loading/ Unloading of Materials												
Excavation											-	
C&D Waste Disposal										N.		-
Concreting												-
Lifting												4
C&D Materials Internal Transportation												
Main Stadium Pre-cast Material Delivery												-
Construction of Drainage Layer (PSG)									i i	Si.		
Landscape Work										-		_
Baseline Water Sampling (PSG)	"											

						20	23					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Loading/Unloading of Materials												
Excavation												
Concreting									3			
Landscape Work												
C&D Waste Disposal									1			

Data for 1-hour TSP Monitoring at Station AMS4

Date	Start Time	Finish Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hour TSP (μg/m³)
05-Oct-23	10:34	11:34	Sunny	3.3	329	66
05-Oct-23	11:34	12:34	Sunny	4.2	320	71
05-Oct-23	12:34	13:34	Sunny	4.2	320	69
11-Oct-23	10:25	11:25	Fine	2.8	67	40
11-Oct-23	11:25	12:25	Fine	2.5	44	35
11-Oct-23	12:25	13:25	Fine	3.3	135	39
17-Oct-23	10:34	11:34	Fine	5.3	118	48
17-Oct-23	11:34	12:34	Fine	6.4	121	44
17-Oct-23	12:34	13:34	Fine	4.7	112	38
21-Oct-23	9:10	10:10	Cloudy	3.1	27	35
21-Oct-23	10:10	11:10	Cloudy	2.5	variable	50
21-Oct-23	11:10	12:10	Cloudy	1.7	125	44
27-Oct-23	10:43	11:43	Fine	2.2	136	42
27-Oct-23	11:43	12:43	Fine	3.3	156	31
27-Oct-23	12:43	13:43	Fine	3.3	155	35
02-Nov-23	10:27	11:27	Sunny	4.2	113	26
02-Nov-23	11:27	12:27	Sunny	3.3	118	30
02-Nov-23	12:27	13:27	Sunny	3.1	135	24
08-Nov-23	10:28	11:28	Cloudy	4.7	116	45
08-Nov-23	11:28	12:28	Cloudy	4.7	94	41
08-Nov-23	12:28	13:28	Cloudy	3.9	117	38
14-Nov-23	10:40	11:40	Cloudy	1.4	331	34
14-Nov-23	11:40	12:40	Cloudy	1.7	93	29
14-Nov-23	12:40	13:40	Cloudy	1.4	65	31
20-Nov-23	10:25	11:25	Sunny	3.3	121	24
20-Nov-23	11:25	12:25	Sunny	4.2	120	22
20-Nov-23	12:25	13:25	Sunny	3.3	119	25
24-Nov-23	9:20	10:20		6.4	115	24
24-Nov-23	10:20	11:20	Sunny	5.6	109	27
			Sunny	7.2	98	23
24-Nov-23 30-Nov-23	11:20	12:20	Sunny	1.4	45	21
	10:27	11:27	Fine	1.7		
30-Nov-23	11:27	12:27	Fine		134	25
30-Nov-23	12:27	13:27	Fine	4.7	106	27
06-Dec-23	10:26	11:26	Cloudy	1.7	301	54
06-Dec-23	11:26	12:26	Cloudy	2.5	349	61
06-Dec-23	12:26	13:26	Cloudy	2.5	306	65
12-Dec-23	10:26	11:26	Sunny	3.3	100	65
12-Dec-23	11:26	12:26	Sunny	2.2	52	60
12-Dec-23	12:26	13:26	Sunny	3.3	136	58
18-Dec-23	10:55	11:55	Cloudy	2.8	115	44
18-Dec-23	11:55	12:55	Cloudy	3.9	123	40
18-Dec-23	12:55	13:55	Cloudy	3.1	116	36
22-Dec-23	9:22	10:22	Cloudy	4.2	319	55
22-Dec-23	10:22	11:22	Cloudy	3.3	347	60
22-Dec-23	11:22	12:22	Cloudy	3.3	319	54
28-Dec-23	10:26	11:26	Cloudy	3.3	126	27
28-Dec-23	11:26	12:26	Cloudy	3.9	134	31
28-Dec-23	12:26	13:26	Cloudy	2.8	130	25

### **Graphical Presentation for 1-hour TSP Monitoring at AMS4**



### Kai Tak Sports Park

	i i						2023					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization	3											_
Loading/ Unloading of Materials												
Excavation												_
C&D Waste Disposal								j				_
Concreting												_
Lifting												
C&D Materials Internal Transportation												
Main Stadium Pre-cast Material Delivery												
Construction of Drainage Layer (PSG)												
Landscape Work											4	
Baseline Water Sampling (PSG)												

						20	23					
C		r.L		Apr		-				0.4		Dec
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Loading/Unloading of Materials												-
Excavation												-
Concreting												
Landscape Work												
C&D Waste Disposal												_

### Data for Noise Monitoring at Station NMS1/NMS1-T

	Date	Time	Weather	L <sub>eq(5min)</sub>	L <sub>10</sub>	L <sub>90</sub>	Measured L <sub>eq(30min)</sub>
*	05-Oct-23	09:42	Sunny	71.6	74.7	62.8	
*	05-Oct-23	09:47	Sunny	72.5	75.4	63.7	
*	05-Oct-23	09:52	Sunny	70.3	74.9	62.6	71 5
*	05-Oct-23	09:57	Sunny	72.2	75.6	63.5	71.5
*	05-Oct-23	10:02	Sunny	71.1	74.0	63.4	
*	05-Oct-23	10:07	Sunny	70.9	73.2	62.1	
*	11-Oct-23	09:34	Fine	72.9	75.6	64.5	
*	11-Oct-23	09:39	Fine	71.7	74.4	63.8	
*	11-Oct-23	09:44	Fine	71.3	74.2	63.7	
*	11-Oct-23	09:49	Fine	70.1	73.0	62.1	72.0
*	11-Oct-23	09:54	Fine	73.6	76.9	65.4	
*	11-Oct-23	09:59	Fine	71.4	74.0	63.5	
*	17-Oct-23	09:42	Fine	72.0	75.1	63.2	
*	17-Oct-23	09:47	Fine	71.4	74.3	62.4	
*	17-Oct-23	09:52	Fine	71.9	74.5	62.8	
*	17-Oct-23	09:57	Fine	72.6	75.7	63.7	72.1
*	17-Oct-23	10:02	Fine	71.5	74.8	62.4	
*		10:02	Fine	72.8	76.0	63.6	
*	17-Oct-23	09:53	Fine	71.1	74.2	65.0	
*	27-Oct-23				74.2		
*	27-Oct-23	09:58	Fine	71.7		65.7	
*	27-Oct-23	10:03	Fine	71.9	75.1	65.9	71.6
*	27-Oct-23	10:08	Fine	72.4	74.4	66.1	
*	27-Oct-23	10:13	Fine	71.9	75.1	66.5	
*	27-Oct-23	10:18	Fine	70.4	73.3	64.4	
	02-Nov-23	09:37	Sunny	71.9	75.6	62.5	
*	02-Nov-23	09:42	Sunny	72.7	76.4	63.8	
*	02-Nov-23	09:47	Sunny	73.3	76.2	64.7	72.2
*	02-Nov-23	09:52	Sunny	72.1	76.0	63.6	
*	02-Nov-23	09:57	Sunny	71.6	75.8	62.5	
*	02-Nov-23	10:02	Sunny	71.6	75.4	62.0	
*	08-Nov-23	09:37	Cloudy	71.6	74.4	62.5	
*	08-Nov-23	09:42	Cloudy	72.3	75.2	63.6	
*	08-Nov-23	09:47	Cloudy	71.7	74.8	62.9	72.4
*	08-Nov-23	09:52	Cloudy	73.1	76.0	63.7	72.4
*	08-Nov-23	09:57	Cloudy	73.9	76.5	63.2	
*	08-Nov-23	10:02	Cloudy	71.0	75.4	62,0	
*	14-Nov-23	09:52	Cloudy	69.0	72.5	60.8	
*	14-Nov-23	09:57	Cloudy	69.9	73.3	60.1	
*	14-Nov-23	10:02	Cloudy	72.2	75.1	63.0	70.9
*	14-Nov-23	10:07	Cloudy	70.8	74.0	61.1	70.9
*	14-Nov-23	10:12	Cloudy	71.4	75.2	62.4	
*	14-Nov-23	10:17	Cloudy	71.3	74.8	61.7	
*	20-Nov-23	09:36	Sunny	73.9	76.9	63.4	
*	20-Nov-23	09:41	Sunny	72.6	75.3	62.5	
*	20-Nov-23	09:46	Sunny	71.2	74.6	62.8	72.4
*	20-Nov-23	09:51	Sunny	72.7	76.1	63.9	72.4
*	20-Nov-23	09:56	Sunny	71.0	74.7	62.4	
*	20-Nov-23	10:01	Sunny	72.5	76.2	62.1	
*	30-Nov-23	09:36	Fine	71.4	74.0	62.3	
*	30-Nov-23	09:41	Fine	72.1	75.2	63.4	
*	30-Nov-23	09:46	Fine	73.6	76.4	64.5	
*	30-Nov-23	09:51	Fine	71.7	74.6	62.8	72.5
*	30-Nov-23	09:56	Fine	72.9	75.9	63.5	
*	30-Nov-23	10:01	Fine	73.0	76.5	64.7	
	30 1404-23	10.01	THE	75.0	, 0,5	04.7	

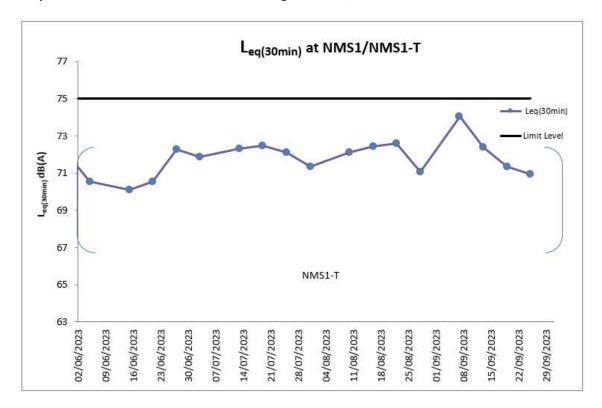
	Date	Time	Weather	L <sub>eq(5min)</sub>	L <sub>10</sub>	L <sub>90</sub>	Measured L <sub>eq(30min)</sub>
*	06-Dec-23	09:36	Cloudy	71.9	74.4	62.5	
*	06-Dec-23	09:41	Cloudy	72.3	75.6	63.8	
*	06-Dec-23	09:46	Cloudy	71.7	74.2	62.7	72.1
*	06-Dec-23	09:51	Cloudy	73.1	76.9	64.6	72.1
*	06-Dec-23	09:56	Cloudy	71.6	74.0	63.2	
*	06-Dec-23	10:01	Cloudy	71.5	74.4	62.0	
*	12-Dec-23	09:37	Sunny	71.5	74.7	62.6	
*	12-Dec-23	09:42	Sunny	73.8	76.9	63.5	
*	12-Dec-23	09:47	Sunny	72.3	75.4	62.9	72.5
*	12-Dec-23	09:52	Sunny	73.4	76.2	63.7	72.5
*	12-Dec-23	09:57	Sunny	71.1	74.0	62.1	
*	12-Dec-23	10:02	Sunny	72.0	75.3	63.0	
*	18-Dec-23	10:02	Cloudy	71.0	74.1	63.3	
*	18-Dec-23	10:07	Cloudy	71.9	74.9	65.4	
*	18-Dec-23	10:12	Cloudy	72.0	74.6	64.1	71.1
*	18-Dec-23	10:17	Cloudy	70.7	73.7	65.0	/1.1
*	18-Dec-23	10:22	Cloudy	70.5	74.3	63.9	
*	18-Dec-23	10:27	Cloudy	69.9	73.2	63.8	
*	28-Dec-23	09:35	Cloudy	70.8	73.4	65.7	
*	28-Dec-23	09:40	Cloudy	69.6	72.5	64.4	
*	28-Dec-23	09:45	Cloudy	71.3	74.2	65.3	70.5
*	28-Dec-23	09:50	Cloudy	70.5	73.9	65.2	70.5
*	28-Dec-23	09:55	Cloudy	69.1	72.0	63.9	
*	28-Dec-23	10:00	Cloudy	71.0	74.8	64.0	

#### \* Note:

During the reporting period, monitoring station NMS1 was no longer open for impact monitoring from September 2022, due to relocation of the Hong Kong Society for the Blind Workshop.

Temporary noise monitoring station, NMS1-T was used to conduct noise monitoring in September 2022. Details of temporary alternative monitoring locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021.

### **Graphical Presentation for Noise Monitoring at NMS1/NMS1-T**



### Kai Tak Sports Park

							2023					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization											40	
Loading/ Unloading of Materials											1	_
Excavation	i i								j			
C&D Waste Disposal											17-	GE 4
Concreting											_	
Lifting											-	-4
C&D Materials Internal Transportation											4	-4
Main Stadium Pre-cast Material Delivery											1	- 20
Construction of Drainage Layer (PSG)											-	
Landscape Work											4	
Baseline Water Sampling (PSG)												

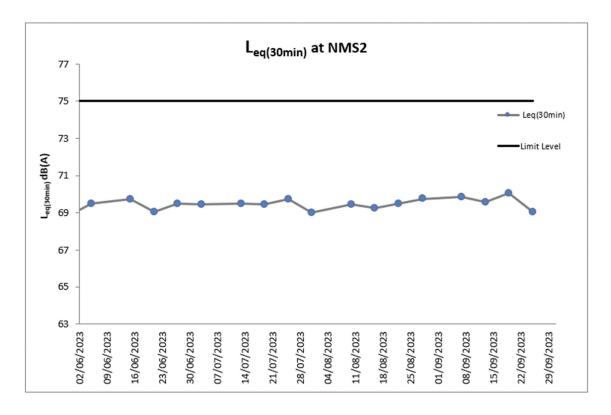
		2023											
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Loading/Unloading of Materials										_			
Excavation													
Concreting												_	
Landscape Work													
C&D Waste Disposal													

### **Data for Noise Monitoring at Station NMS2**

Date	Time	Weather	L <sub>eq(5min)</sub>	L <sub>10</sub>	L <sub>90</sub>	Measured L <sub>eq(30min)</sub>
05-Oct-23	08:58	Sunny	68.7	71.6	64.8	
05-Oct-23	09:03	Sunny	69.5	72.9	64.7	
05-Oct-23	09:08	Sunny	70.4	73.3	65.9	60.9
05-Oct-23	09:13	Sunny	70.2	73.8	65.1	69.8
05-Oct-23	09:18	Sunny	69.1	72.0	64.2	
05-Oct-23	09:23	Sunny	70.7	73.4	65.6	
11-Oct-23	08:50	Fine	68.1	71.5	65.4	
11-Oct-23	08:55	Fine	69.9	72.0	66.3	
11-Oct-23	09:00	Fine	70.1	73.2	66.8	70.0
11-Oct-23	09:05	Fine	71.6	74.7	67.5	70.2
11-Oct-23	09:10	Fine	69.6	72.9	65.1	
11-Oct-23	09:15	Fine	71.0	74.4	66.0	
17-Oct-23	08:58	Fine	68.5	71.7	64.8	
17-Oct-23	09:03	Fine	69.6	72.5	65.4	
17-Oct-23	09:08	Fine	70.9	73.3	65.7	
17-Oct-23	09:13	Fine	71.2	73.9	66.5	70.1
17-Oct-23	09:18	Fine	69.1	72.0	65.4	
17-Oct-23	09:23	Fine	70.4	73.6	65.0	
27-Oct-23	09:07	Fine	72.7	75.4	68.8	
27-Oct-23	09:12	Fine	71.6	74.1	68.0	
27-Oct-23	09:17	Fine	72.7	75.9	68.9	
27-Oct-23	09:22	Fine	73.0	76.4	69.1	72.7
27-Oct-23	09:27	Fine	72.1	75.4	68.4	
27-Oct-23	09:32	Fine	73.9	76.0	69.2	
02-Nov-23	08:53	Sunny	68.7	71.0	63.4	
02-Nov-23	08:58		69.1	72.2	64.4	
02-Nov-23	09:03	Sunny	69.3	72.5	64.8	
		Sunny				70.3
02-Nov-23	09:08	Sunny	70.6 71.9	73.7 74.9	65.7	
02-Nov-23	09:13	Sunny			65.0	
02-Nov-23	09:18	Sunny	71.0	74.6	65.2	
08-Nov-23	08:53	Cloudy	68.9	71.9	64.5	
08-Nov-23	08:58	Cloudy	69.6	72.4	64.8	
08-Nov-23	09:03	Cloudy	69.3	72.6	64.7	69.7
08-Nov-23	09:08	Cloudy	70.7	73.2	65.1	
08-Nov-23	09:13	Cloudy	70.1	73.0	65.2	
08-Nov-23	09:18	Cloudy	69.5	72.4	64.6	
14-Nov-23	09:08	Cloudy	70.9	72.5	69.1	
14-Nov-23	09:13	Cloudy	70.7	72.4	68.4	
14-Nov-23	09:18	Cloudy	71.6	73.6	68.0	71.1
14-Nov-23	09:23	Cloudy	71.0	73.2	68.5	
14-Nov-23	09:28	Cloudy	71.9	74.3	68.7	
14-Nov-23	09:33	Cloudy	70.1	72.0	68.2	
20-Nov-23	08:53	Sunny	69.9	72.1	64.8	
20-Nov-23	08:58	Sunny	70.2	73.9	65.4	
20-Nov-23	09:03	Sunny	70.6	73.3	65.5	70.4
20-Nov-23	09:08	Sunny	69.7	72.6	64.1	
20-Nov-23	09:13	Sunny	71.2	74.8	66.0	
20-Nov-23	09:18	Sunny	70.4	73.6	65.2	
30-Nov-23	08:52	Fine	68.9	71.2	64.3	
30-Nov-23	08:57	Fine	69.1	72.0	65.4	
30-Nov-23	09:02	Fine	69.5	72.7	65.8	69.9
	09:07	Fine	70.6	73.9	66.7	03.3
30-Nov-23	09.07	Title	, 0.0	,		
30-Nov-23 30-Nov-23	09:12	Fine	71.5	74.6	66.4	

Date	Time	Weather	L <sub>eq(5min)</sub>	L <sub>10</sub>	L <sub>90</sub>	Measured L <sub>eq(30min)</sub>
06-Dec-23	08:53	Cloudy	69.6	71.0	64.6	
06-Dec-23	08:58	Cloudy	70.1	72.2	65.2	
06-Dec-23	09:03	Cloudy	71.8	73.3	66.7	71.1
06-Dec-23	09:08	Cloudy	71.4	73.5	66.6	71.1
06-Dec-23	09:13	Cloudy	72.7	74.9	66.9	
06-Dec-23	09:18	Cloudy	70.0	73.4	65.6	
12-Dec-23	08:53	Sunny	69.5	72.4	67.6	
12-Dec-23	08:58	Sunny	68.9	71.4	66.7	
12-Dec-23	09:03	Sunny	69.3	72.8	67.9	70.0
12-Dec-23	09:08	Sunny	70.4	73.2	68.4	70.0
12-Dec-23	09:13	Sunny	71.1	74.0	69.2	
12-Dec-23	09:18	Sunny	70.6	73.6	68.7	
18-Dec-23	09:53	Cloudy	68.0	70.5	64.1	
18-Dec-23	09:58	Cloudy	68.6	71.2	65.2	
18-Dec-23	10:03	Cloudy	68.8	71.4	64.9	68.6
18-Dec-23	10:08	Cloudy	68.5	70.9	65.0	00.0
18-Dec-23	10:13	Cloudy	69.1	71.5	65.0	
18-Dec-23	10:18	Cloudy	68.4	70.7	65.3	
28-Dec-23	08:51	Cloudy	67.8	70.7	65.6	
28-Dec-23	08:56	Cloudy	68.5	71.4	66.9	
28-Dec-23	09:01	Cloudy	69.3	72.2	67.8	68.8
28-Dec-23	09:06	Cloudy	68.1	70.0	65.4	08.8
28-Dec-23	09:11	Cloudy	69.7	71.9	66.2	
28-Dec-23	09:16	Cloudy	69.0	71.4	67.0	

### **Graphical Presentation for Noise Monitoring at NMS2**



### Kai Tak Sports Park

	i i						2023					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization												
Loading/ Unloading of Materials											-	
Excavation	)											
C&D Waste Disposal										-		-
Concreting											-	_
Lifting												- 0
C&D Materials Internal Transportation												
Main Stadium Pre-cast Material Delivery												-
Construction of Drainage Layer (PSG)												
Landscape Work										and the same		
Baseline Water Sampling (PSG)												

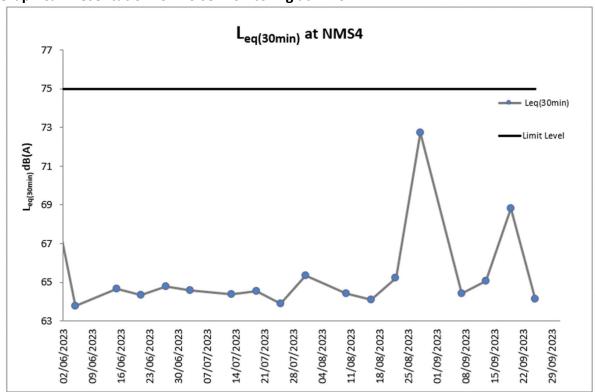
		2023											
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Loading/Unloading of Materials													
Excavation													
Concreting													
Landscape Work													
C&D Waste Disposal													

### Data for Noise Monitoring at Station NMS4

Sunny Sunny Sunny Sunny	L <sub>eq(5min)</sub> 64.9 65.1	66.9 67.5	62.2 63.4	Measured L <sub>eq(30min)</sub>
Sunny				
100	65.1	67.5	62 /	
Sunny			03.4	
	65.6	67.3	63.8	
Sunny	63.2	65.7	61.7	64.7
Sunny	64.1	66.0	62.1	
				65.4
				64.5
				68.3
	100000000000000000000000000000000000000			
				64.5
-				
		La contra de Con		
				65.6
Cloudy	65.1	67.0		
Cloudy		66.4		
Cloudy		76.6	65.1	
Cloudy	66.9	68.6	63.9	
Cloudy	65.7	67.1	62.9	68.6
Cloudy	65.9	68.2	62.9	00.0
Cloudy	67.7	69.6	64.1	
Cloudy	68.4	70.0	64.9	
Sunny	64.9	66.9	62.8	
Sunny	66.4	68.5	64.4	
Sunny	65.6	67.7	63.3	65.0
Sunny	65.1	67.2	63.9	05.0
Sunny	64.1	66.0	62.4	
Sunny	63.2	65.6	61.0	
Fine	64.0	66.9	62.5	
Fine	66.6	68.1	64.1	
Fine	65.2	67.4	63.4	64.0
Fine	63.6	65.3	61.8	64.8
1 1110				
Fine	64.9	66.7	62.7	
	Cloudy Cloudy Cloudy Cloudy Cloudy Cloudy Sunny Sunny Sunny Sunny Sunny Sunny Sunny Fine Fine	Fine 64.9 Fine 65.5 Fine 66.7 Fine 64.2 Fine 65.1 Fine 65.6 Fine 63.3 Fine 63.3 Fine 64.7 Fine 65.1 Fine 65.0 Fine 65.0 Fine 67.6 Fine 67.6 Fine 67.6 Fine 67.6 Fine 67.6 Fine 67.3 Sunny 64.6 Sunny 65.3 Sunny 65.3 Sunny 65.8 Sunny 65.8 Cloudy 65.5 Cloudy 66.9 Cloudy 65.5 Cloudy 65.5 Cloudy 65.1 Cloudy 65.1 Cloudy 65.1 Cloudy 65.7 Cloudy 65.7 Cloudy 65.9 Cloudy 65.7 Cloudy 65.9 Cloudy 65.7 Cloudy 65.9 Cloudy 65.9 Cloudy 65.7 Cloudy 65.9 Cloudy 65.9 Cloudy 65.9 Cloudy 65.9 Cloudy 65.9 Cloudy 65.9 Cloudy 65.1 Sunny 65.6 Sunny 65.1	Fine 64.9 66.7 Fine 65.5 67.8 Fine 66.7 68.3 Fine 66.7 68.3 Fine 65.1 67.0 Fine 65.6 67.7 Fine 65.6 67.7 Fine 63.5 65.4 Fine 63.5 65.4 Fine 63.3 65.2 Fine 64.7 66.9 Fine 65.1 67.0 Fine 65.0 67.5 Fine 65.1 67.0 Fine 65.0 67.5 Fine 70.8 71.3 Fine 66.9 67.7 Fine 67.6 69.5 Fine 67.6 69.2 Fine 67.6 69.2 Fine 67.6 69.2 Fine 68.4 71.3 Fine 67.3 69.9 Sunny 64.6 66.4 Sunny 65.3 67.6 Sunny 65.8 67.2 Sunny 63.1 65.0 Sunny 64.0 66.9 Sunny 63.7 65.5 Cloudy 65.5 67.7 Cloudy 66.9 68.5 Cloudy 66.9 68.5 Cloudy 65.1 67.0 Cloudy 65.1 67.0 Cloudy 65.7 67.1 Cloudy 65.9 68.2 Cloudy 65.7 67.1 Cloudy 65.9 68.2 Cloudy 65.7 67.1 Cloudy 65.9 68.2 Cloudy 65.9 68.2 Cloudy 65.7 67.1 Cloudy 65.9 68.2 Cloudy 65.9 68.2 Cloudy 65.9 68.2 Cloudy 65.7 67.1 Cloudy 65.9 68.2 Cloudy 65.9 68.2 Cloudy 65.7 67.1 Cloudy 65.9 68.2 Cloudy 65.9 68.2 Cloudy 65.9 68.2 Cloudy 65.7 67.1 Cloudy 65.9 68.2 Cloudy 65.9 68.2 Cloudy 65.7 67.1 Cloudy 65.9 68.2 Cloudy 65.9 68.2 Cloudy 65.7 67.1 Sunny 64.9 66.9 Sunny 64.9 66.9 Sunny 65.6 67.7 Sunny 65.1 67.2 Sunny 65.1 67.2 Sunny 65.6 67.7 Sunny 65.6 67.7 Sunny 65.6 67.7 Sunny 65.6 67.7 Sunny 65.6 66.9 Fine 64.0 66.9 Fine 66.6 68.1	Fine 64.9 66.7 62.9 Fine 65.5 67.8 63.4 Fine 66.7 68.3 64.5 Fine 64.2 66.6 62.7 Fine 65.1 67.0 63.2 Fine 65.6 67.7 63.4 Fine 65.6 67.7 63.4 Fine 63.5 65.4 61.9 Fine 63.3 65.2 61.6 Fine 64.7 66.9 62.4 Fine 65.1 67.0 63.1 Fine 65.0 67.5 63.0 Fine 65.0 67.5 63.0 Fine 67.6 69.5 65.1 Fine 67.6 69.2 65.2 Fine 67.6 69.2 65.2 Fine 68.4 71.3 65.0 Fine 67.3 69.9 64.0 Sunny 64.6 66.4 62.5 Sunny 65.3 67.6 63.7 Sunny 65.8 67.2 63.9 Sunny 63.1 65.0 61.8 Sunny 64.0 66.9 62.6 Sunny 63.7 65.5 61.2 Cloudy 65.5 67.7 63.8 Cloudy 66.9 68.5 64.4 Cloudy 64.6 66.4 62.9 Cloudy 65.7 67.7 63.8 Cloudy 66.9 68.5 64.4 Cloudy 66.9 68.5 64.4 Cloudy 65.1 67.0 63.2 Cloudy 65.7 67.7 63.8 Cloudy 66.9 68.5 64.4 Cloudy 65.7 67.7 63.8 Cloudy 66.9 68.5 64.4 Cloudy 65.7 67.7 63.2 Cloudy 65.7 67.7 63.2 Cloudy 65.9 68.5 64.4 Cloudy 65.9 68.2 62.9 Sunny 64.9 66.9 62.8 Sunny 65.1 67.2 63.9 Sunny 65.1 67.2 63.9 Sunny 65.1 67.2 63.9 Sunny 65.1 67.2 63.9 Sunny 65.6 67.7 63.3 Sunny 65.1 67.2 63.9 Sunny 65.1 67.2 63.9 Sunny 65.6 67.7 63.3 Sunny 65.6 67.7 63.3 Sunny 65.6 67.7 63.3

Date	Time	Weather	L <sub>eq(5min)</sub>	L <sub>10</sub>	L <sub>90</sub>	Measured Leq(30min)
06-Dec-23	08:53	Cloudy	64.5	66.8	62.9	
06-Dec-23	08:58	Cloudy	63.9	65.5	61.4	
06-Dec-23	09:03	Cloudy	63.6	65.3	61.7	63.9
06-Dec-23	09:08	Cloudy	64.3	66.2	62.5	03.9
06-Dec-23	09:13	Cloudy	64.1	66.0	62.1	
06-Dec-23	09:18	Cloudy	63.0	657	61.0	
12-Dec-23	08:53	Sunny	64.9	66.5	66.5	
12-Dec-23	08:58	Sunny	65.6	67.6	67.6	
12-Dec-23	09:03	Sunny	65.7	67.8	67.8	C4.6
12-Dec-23	09:08	Sunny	64.4	66.2	66.2	64.6
12-Dec-23	09:13	Sunny	63.1	65.0	65.0	
12-Dec-23	09:18	Sunny	63.0	65.4	65.4	
18-Dec-23	09:53	Cloudy	70.7	72.9	67.2	
18-Dec-23	09:58	Cloudy	68.8	70.3	65.9	
18-Dec-23	10:03	Cloudy	68.8	70.3	66.1	COF
18-Dec-23	10:08	Cloudy	68.1	70.5	65.4	68.5
18-Dec-23	10:13	Cloudy	67.6	69.5	64.0	
18-Dec-23	10:18	Cloudy	64.6	66.6	62.2	
28-Dec-23	08:51	Cloudy	63.9	65.8	61.9	
28-Dec-23	08:56	Cloudy	64.7	66.6	62.5	
28-Dec-23	09:01	Cloudy	65.6	67.4	63.8	64.2
28-Dec-23	09:06	Cloudy	64.3	66.2	62.1	64.2
28-Dec-23	09:11	Cloudy	63.1	65.0	61.2	
28-Dec-23	09:16	Cloudy	63.0	65.2	61.0	

### **Graphical Presentation for Noise Monitoring at NMS4**

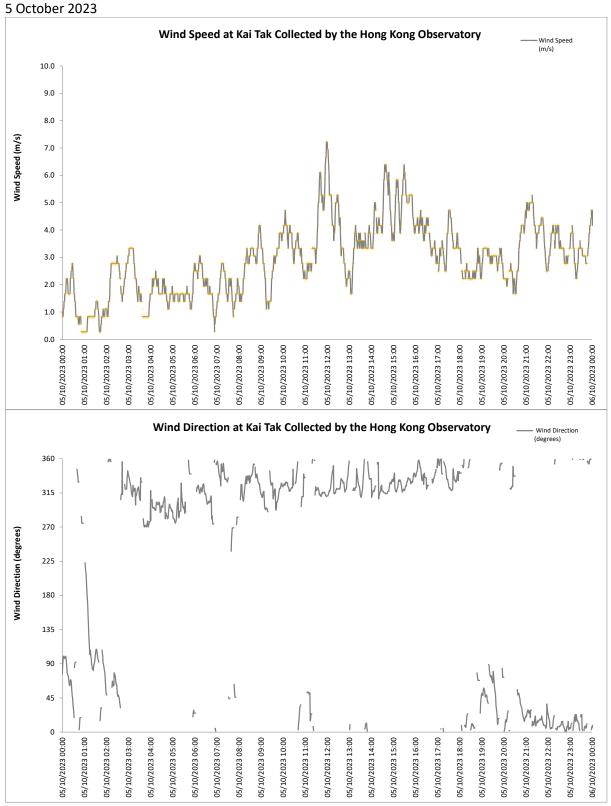


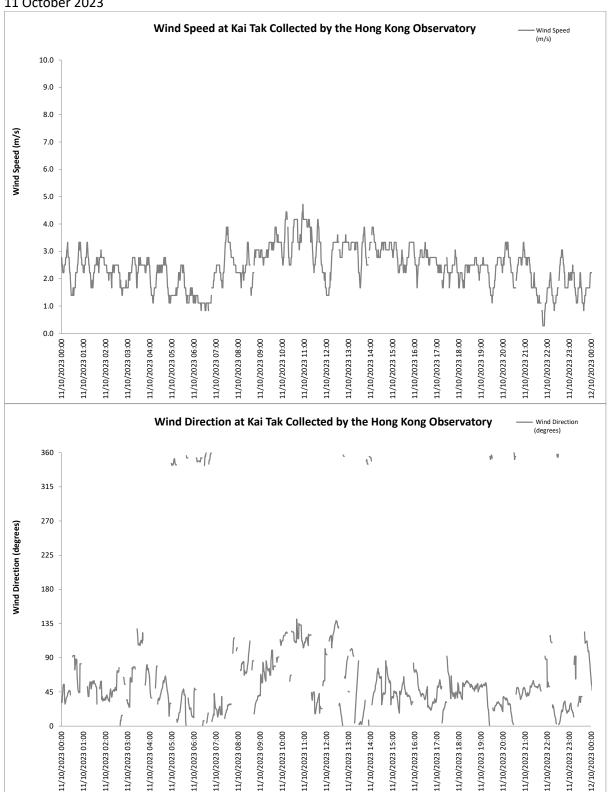
### Kai Tak Sports Park

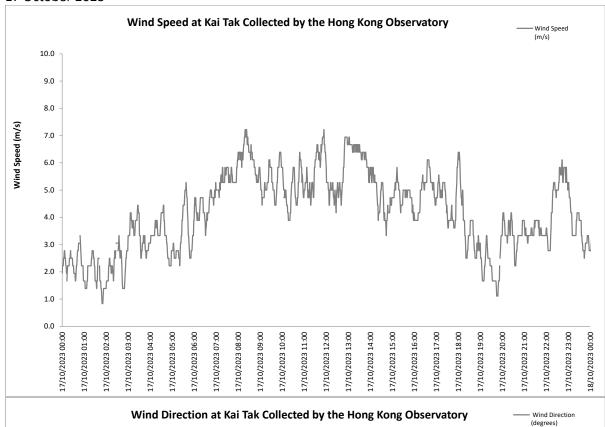
	2023											
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization											- Option	_
Loading/ Unloading of Materials												
Excavation											-	_
C&D Waste Disposal												
Concreting												
Lifting											- 17	
C&D Materials Internal Transportation											- 1/2	
Main Stadium Pre-cast Material Delivery											-	
Construction of Drainage Layer (PSG)												
Landscape Work											7	_
Baseline Water Sampling (PSG)	0											-

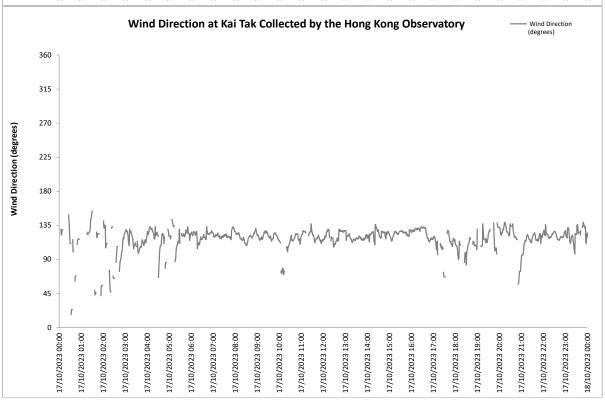
	2023											
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Loading/Unloading of Materials						Į.				1		
Excavation												
Concreting		,						,		N .		
Landscape Work											-	
C&D Waste Disposal											- Part	- 0

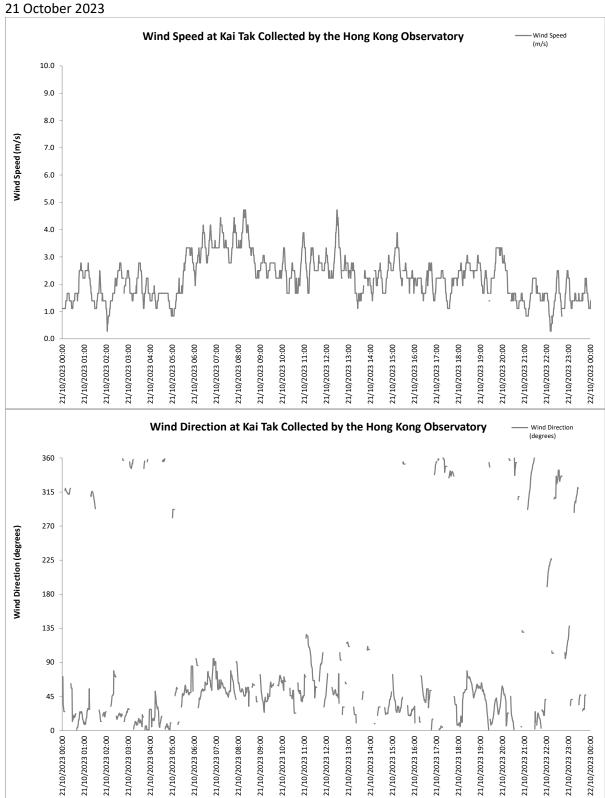
# **Appendix F. Wind Data**

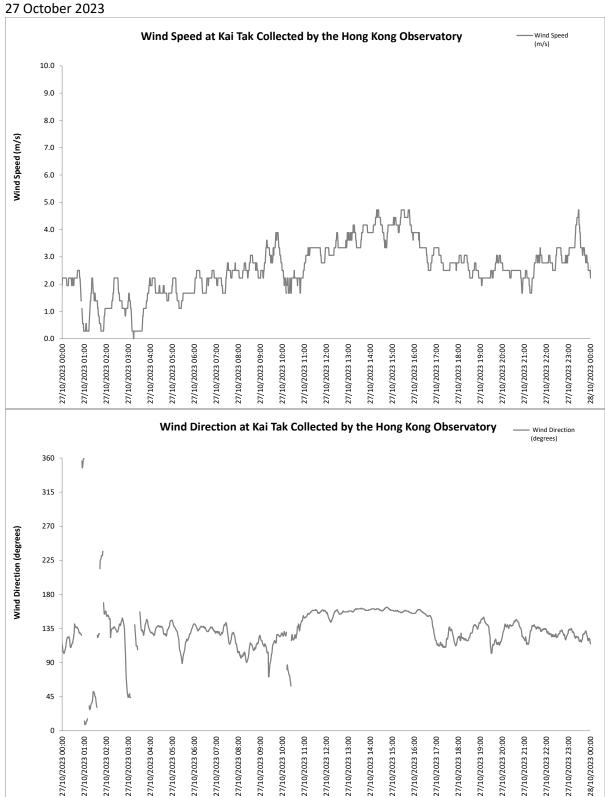


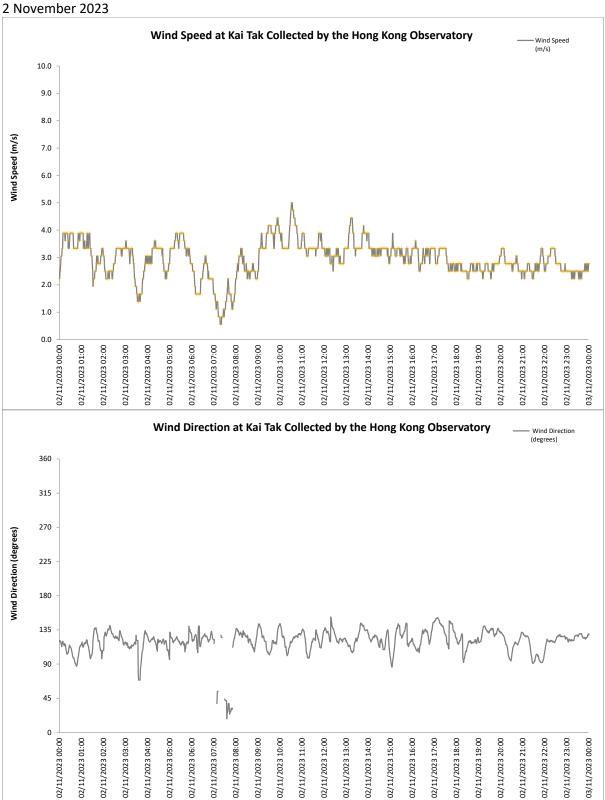




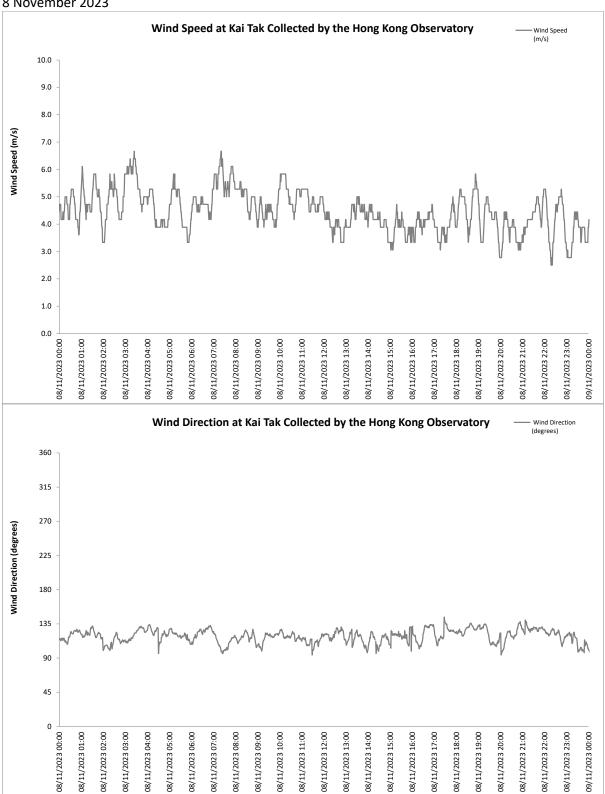




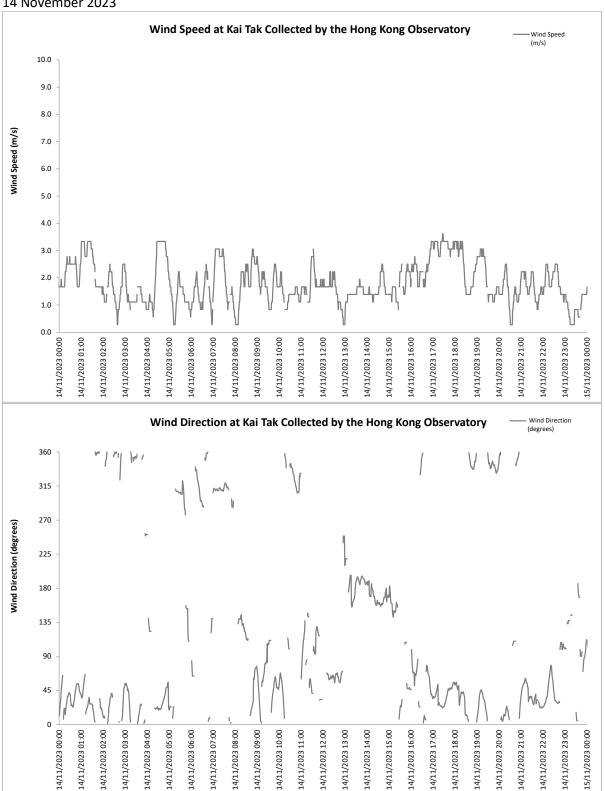


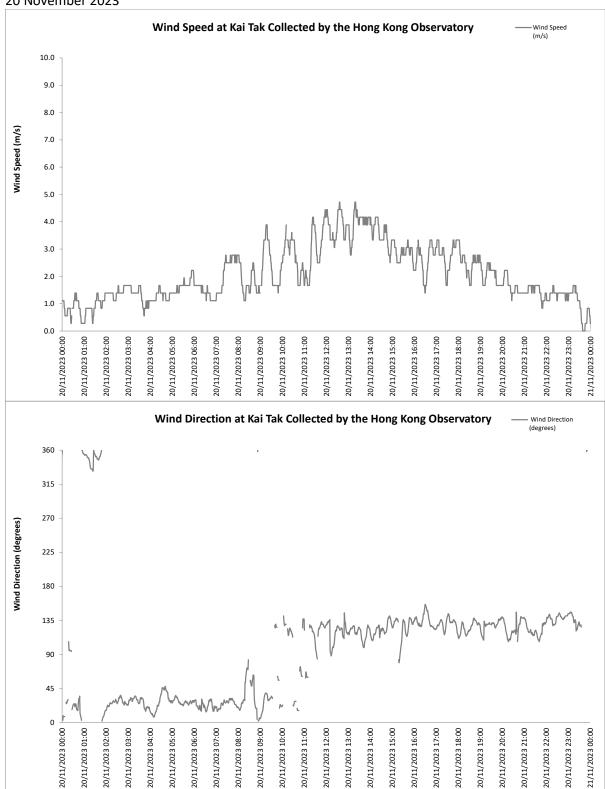


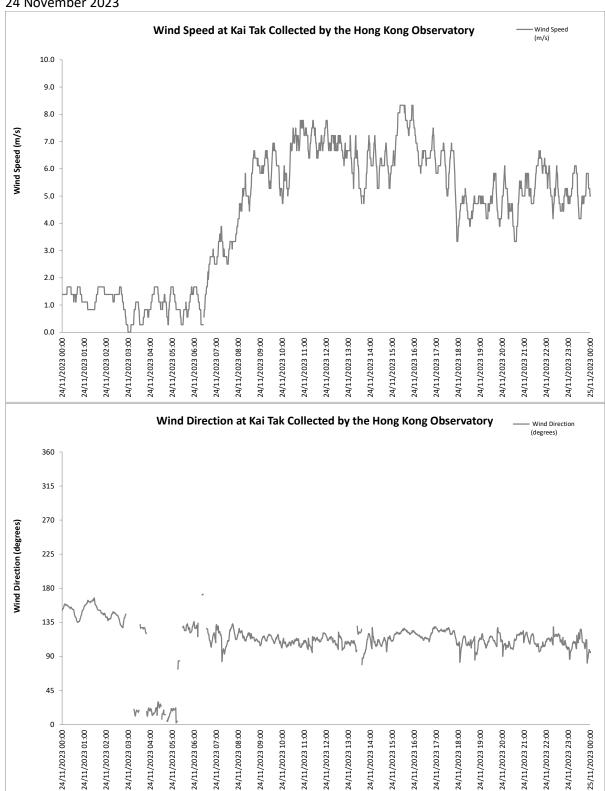
### 8 November 2023

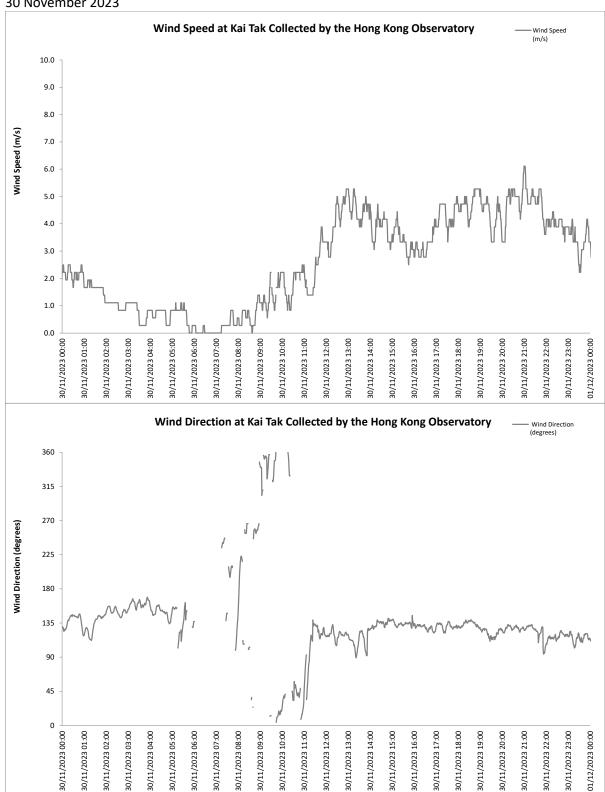


### 14 November 2023

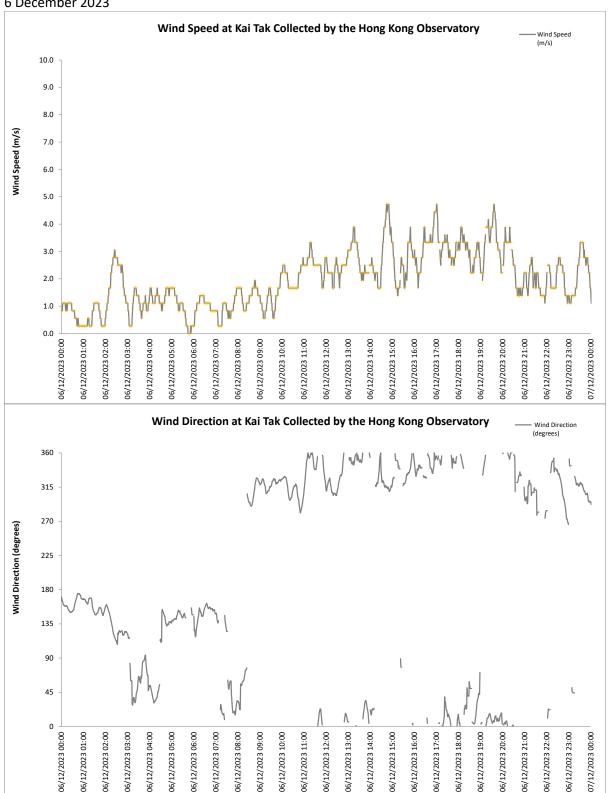




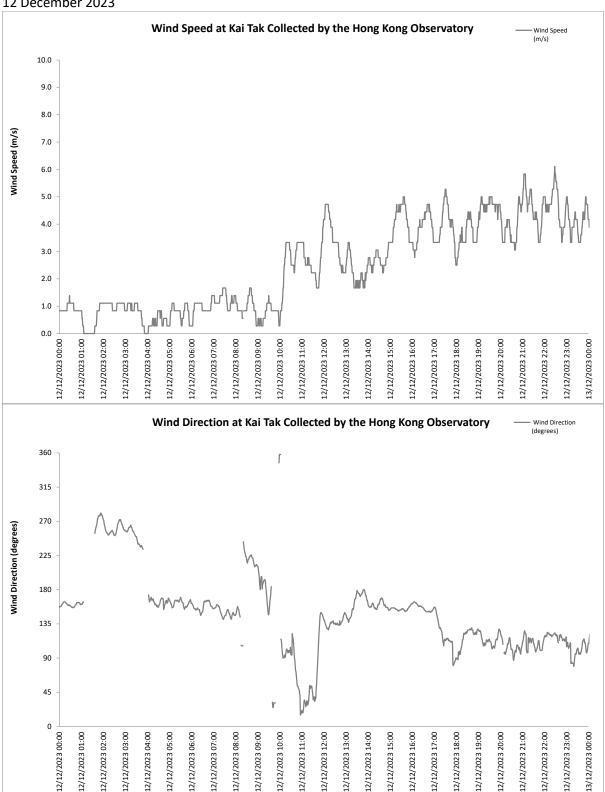




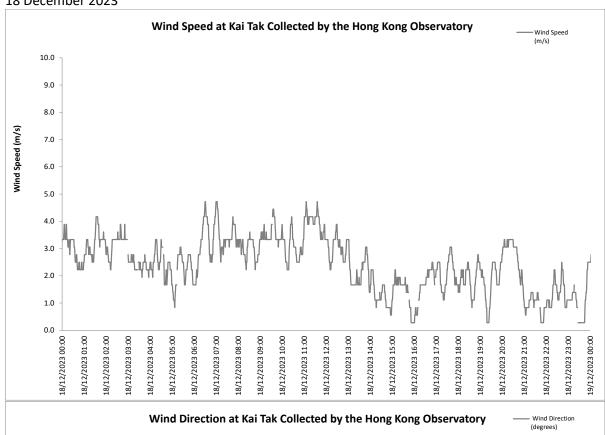
### 6 December 2023

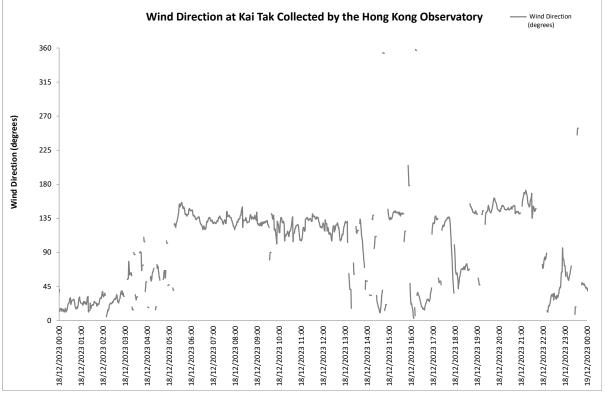


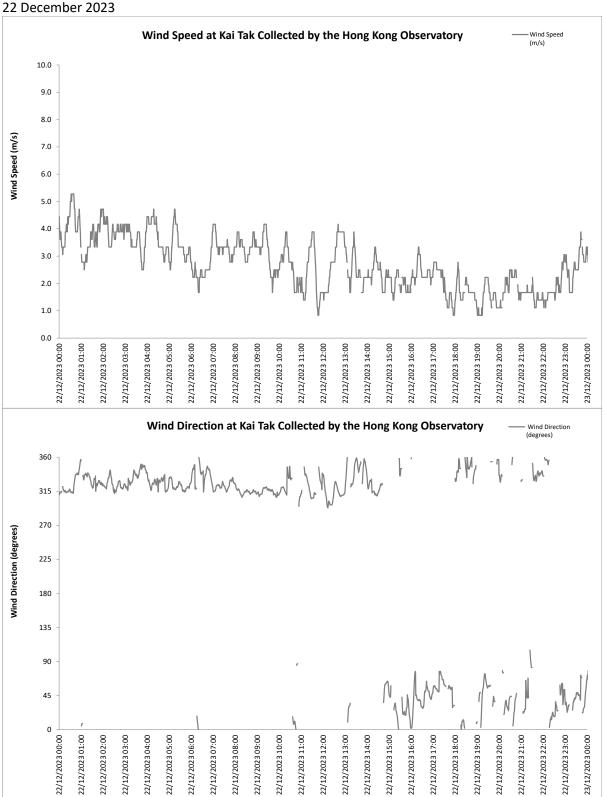
### 12 December 2023

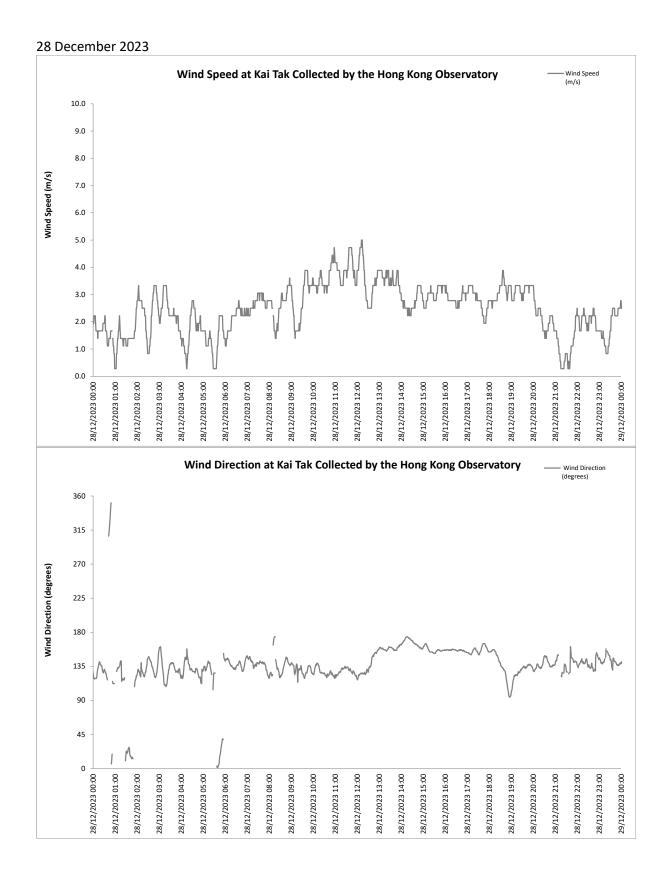


### 18 December 2023







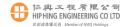


## **Appendix G. Waste Flow Table**

Project: Kai Tak Sport Park
Contract No.: HAB/ KTSP/ 01

Contract Title: Design, Construction and Operation of the Kai Tak Sports Park at Kai Tak, Kowloon City District, Hong Kong

Year of Record: 2019-2023



#### **Monthly Waste Flow Table**

Month	Total	Total		A	ctual Quantitie	s of Inert C&D	Materials Ge	nerated Month	nlv		Act	ual Quantiti	es of C&D M	laterials Ge	nerated Mor	nthly	Remarks
	Quantity	Quantity	Exc	cavated Mater		, , , ,		excavated Mat	,		Metals	Metals	Paper /	Plastics	Chemical	Other,	
	Generated	Generated (Excluded Excavated Material)	Disposed in Public Fill	Disposed in Sorting Facilities	Others (e.g Reused in the Contract / Other Projects)	Broken Concrete or Construction Waste Collected by Recycled Company	Reused in the Contract	Reused in other Projects	Disposed in Public Fill	Disposed in Sorting Facilities	(steel bar / metal strip) <sup>(1)</sup>	(aluminum can) <sup>(1)</sup>	cardboard packaging <sup>(1)</sup>	(1) & (4)	waste (wasted lubricant oil/ oil container)	e.g. general refuse	
	(in '000ka)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	
	a1	a2	b	b	b	C	d	e	f	g	h	i	i	k	1	m m	
2019	43517.88	8326.30	35191.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.07	0.00	2.05	7.92	2.00	8148.27	
2020	811029.24	6341.58	49326.08	0.00	755361.58	0.00	0.00	0.00	0.00	0.00	3170.12	0.47	10.10	20.71	2.20	3137.98	
Jan-21	78129.57	1315.84	4253.06	0.00	72560.67	0.00	0.00	0.00	0.00	0.00	393.38	0.05	2.68	1.96	0.00	917.77	
Feb-21	70013.03	912.17	10767.60	0.00	58333.26	0.00	0.00	0.00	0.00	0.00	386.46	0.07	1.24	0.64	0.00	523.76	
Mar-21	51743.64	1314.81	18740.08	0.00	31688.75	0.00	0.00	0.00	0.00	0.00	320.13	0.12	2.08	2.45	0.00	990.03	
Apr-21	16431.34	1411.19	0.00	0.00	15020.15	0.00	0.00	0.00	0.00	0.00	467.54	0.02	1.84	1.70	0.00	940.09	
May-21	39675.06	1610.42	0.00	0.00	38064.64	0.00	0.00	0.00	0.00	0.00	442.35	0.00	1.31	2.81	0.00	1163.95	
Jun-21	56589.31	1812.39	0.00	0.00	54776.92	0.00	0.00	0.00	0.00	0.00	353.07	0.02	1.10	1.37	0.00	1456.83	
Jul-21	18264.19	2544.22	0.00	0.00	15719.97	0.00	0.00	0.00	0.00	0.00	383.64	0.00	1.55	3.36	0.00	2155.67	
Aug-21	7959.53	2028.39	4150.75	0.00	1780.39	0.00	0.00	0.00	0.00	0.00	326.91	0.00	1.28	1.40	0.00	1698.80	
Sep-21	32389.58	2259.89	30129.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	269.75	0.00	1.99	2.68	0.00	1985.47	
Oct-21	34559.10	2034.74	17144.35	0.00	15380.01	0.00	0.00	0.00	0.00	0.00	289.21	0.00	1.04	2.83	0.00	1741.66	
Nov-21	34821.07	2353.58	6551.45	0.00	25916.04	0.00	0.00	0.00	0.00	0.00	164.09	0.00	1.27	3.80	0.60	2183.82	
Dec-21	10648.02	2282.17	8365.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.27	0.00	1.54	0.69	0.00	2154.67	
Jan-22	6238.85	2367.85	3871.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130.89	0.00	1.43	1.76	0.00	2233.77	
Feb-22	6654.84	1294.33	5360.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	158.11	0.00	0.51	0.00	0.00	1135.71	
Mar-22	27279.95	1820.78	25459.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162.33	0.00	0.81	0.85	0.00	1656.79	
Apr-22	15402.21	1792.21	13610.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.78	0.00	0.62	3.11	0.00	1751.70	
May-22	8425.54	2151.70	6273.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.12	0.00	0.61	1.47	0.00	2066.50	
Jun-22	8171.01	2700.44	5470.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	192.21	0.00	1.66	1.91	0.00	2504.66	
Jul-22	5804.34	2575.55	3228.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	238.36	0.00	1.56	4.87	0.00	2330.75	
Aug-22	11860.09	2557.97	9302.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	138.66	0.00	0.92	4.03	0.00	2414.36	
Sep-22	14721.29	2391.62	12329.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	155.67	0.00	0.52	5.72	0.00	2229.71	
Oct-22	12307.08	2428.20	9878.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.57	0.00	0.50	0.72	0.00	2411.40	
Nov-22	16034.69	2332.38	13702.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.73	0.00	1.07	1.24	0.00	2246.34	
Dec-22	21702.52	1944.12	19758.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.41	0.00	0.81	1.96	0.00	1926.94	
Jan-23	14065.32	1261.42	12803.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	1.54	0.00	1259.22	
Feb-23	17813.51	1729.85	16083.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	1.83	0.00	1726.59	
Mar-23	14767.87	2148.99	12618.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	3.68	0.00	2144.35	
Apr-23	13579.71	1411.83	12167.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	3.06	0.00	1407.97	
May-23	9704.79	1744.90	7959.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.05	0.00	0.32	4.02	0.00	1733.51	
Jun-23	8426.09	1558.40	6867.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.74	0.00	1.17	2.17	0.00	1544.32	
Jul-23	7550.66	1632.72	5917.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.05	0.00	1.46	2.62	0.00	1615.59	
Aug-23	9846.51	1561.03	8285.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	2.70	0.00	1557.90	
Sep-23	12162.88	1393.05	10769.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	1.63	0.00	1389.71	
Oct-23	13388.21	1474.11	11914.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	5.02	0.00	1468.09	
Nov-23	19026.41	2051.04	16975.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	204.20	0.00	0.20	6.40	0.00	1840.23	
Dec-23	18201.46	1789.64	16411.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.31	0.00	0.00	4.38	0.00	1769.95	
Total	1618906.38	82661.81	451642.19	0.00	1084602.38	0.00	0.00	0.00	0.00	0.00	8918.18	0.75	52.23	121.02	4.80	73564.83	

Total C&D waste generated

Total C&D waste generated (excluding excavated materials)

Total recycled C&D waste

% of recycled C&D waste for BEAM Plus MA10 or MA11

1618906.38 tonne 82661.81 tonne a1=b+c+d+e+f+g+h+i+j+k+l+m a2=c+d+e+f+g+h+i+j+k+l+m

9092.19 tonne 11.00 % a3=c+d+e+h+i+j+k a4=a3/a2 x 100%

Notes: (1) Metal, paper & plastic were collected by recycler.

- (2) The performance target of waste recycling are specified in the Contract.
- (3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.
- (5) Broken concrete for recycling into aggregates.
- (6) Excavated materials/waste will NOT be considered as part of construction waste. It should be excluded in the calculation.
- (7) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.
- (8)Disposal record for October 2023 and November 2023 have been updated according to the latest information from contractor in December 2023.
- (9)Recycling record for metals, papers and plastics have been updated according to the latest information from contractor in December 2023.

#### Project: Proposed Composite Development at NKIL 6607, Shing Kai Road, Kai Tak, Kowloon

### Company: Hip Hing Construction Co., Ltd. Monthly Summary Waste Flow Table

			Accumu	lated Quantities	of Inert C&D	Materials Gen			A	ccumulated Q	uantities of Nor	n-inert C&D W	astes Genera	ated Monthly
		Total	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(I)
Month	Total Quantities Generated	Quantities Generated (excluded excavated material)	Broken Concrete Recycled	Broken Concrete Diverted to Public Fill	Excavated Materials Reused in this Project	Excavated Materials Reused in other Projects	Excavated Materials Disposed as Public Fill	Mixed Wastes Diverted to Sorting Facility	Metals Recycled	Paper/ Cardboard Packaging Recycled	Timber/Wood Pallet Recycled	Plastics Recycled	Chemical Waste Collected	Others, e.g. General Refuse Disposed at Landfill
			(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)	(in'000 kg)
Aug-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
Sep-21	1550.68	0.00	0	0	0	1550.68	0.00	0.00	0.00	0.00	0	0	0	0.00
Oct-21	3691.90	28.13	0	0	0	3663.77	0.00	0.00	13.17	0.00	0	0	0	14.96
Nov-21	5447.65	68.57	0	0	0	5309.20	69.88	6.05	32.40	0.00	0	0	0	30.12
Dec-21	400.90	180.45	0	0	0	63.20	157.25	0.00	138.58	0.00	0	0	0	41.87
Jan-22	1454.58	288.36	0	0	0	493.40	672.82	27.52	245.57	0.00	0	0	0	15.27
Feb-22	241.23	207.42	0	0	0	0.00	33.81	4.65	177.65	0.05	0	0	0	25.07
Mar-22	1717.06	373.58	0	0	0	0.00	1343.48	89.56	265.79	0.00	0	0	0	18.23
Apr-22	1657.01	788.84	0	0	0	0.00	868.17	87.83	684.33	0.00	0	0	0	16.68
May-22	1260.80	124.46	0	0	0	0.00	1136.34	102.49	21.97	0.00	0	0	0	0.00
Jun-22	464.11	77.27	0	0	0	0.00	386.84	55.75	21.43	0.09	0	0	0	0.00
Jul-22	813.76	98.52	0	0	0	0.00	715.24	58.30	32.29	0.00	0	0	0	7.93
Aug-22	442.84	55.11	0	0	0	0.00	387.73	54.95	0.00	0.16	0	0	0	0.00
Sep-22	786.99	91.80	0	0	0	0.00	695.19	91.80	0.00	0.00	0	0	0	0.00
Oct-22	1428.67	157.88	0	0	0	0.00	1270.79	154.05	0.00	0.00	0	0	0	3.83
Nov-22	2134.86	174.01	0	0	0	0.00	1960.85	147.07	0.00	0.63	0	0	0	26.31
Dec-22	864.13	212.59	0	0	0	0.00	651.54	198.44	0.00	0.00	0	0	0	14.15
Jan-23	885.60	135.88	0	0	0	0.00	749.72	133.59	0.00	0.00	0	0	0	2.29
Feb-23	1286.59	225.50	0	0	0	0.00	1061.09	181.53	24.35	0.52	0	0	0	19.10
Mar-23	691.22	253.47	0	0	0	0.00	437.75	149.17	71.86	0.16	0	0	0	32.28
Apr-23	3744.20	56.11	0	0	0	0.00	3688.09	30.39	0.00	0.28	0	0	0	25.44
May-23	2344.73	127.50	0	0	0	0.00	2217.23	121.58	0.00	0.00	0	0	0	5.92
Jun-23	184.99	84.02	0	0	0	0.00	100.97	82.67	0.00	0.00	0	0	0	1.35
Jul-23	465.69	79.17	0	0	0	0.00	386.52	74.46	0.00	0.00	0	0	0	4.71
Aug-23	92.13	92.13	0	0	0	0.00	0.00	83.60	0.00	0.00	0	0	0	8.53
Sep-23	114.83	101.37	0	0	0	0.00	13.46	94.65	0.00	0.20	0	0	0	6.52
Oct-23	143.00	121.62	0	0	0	0.00	21.38	112.81	0.00	0.16	0	0	0	8.65
Nov-23	106.87	106.87	0	0	0	0.00	0.00	98.35	0.00	0.00	0	0	0	8.52
Dec-23	169.09	43.68	0	0	0	0.00	125.41	42.12	0.00	0.00	0	0	0	1.56
Total	34586.11	4354.31	0	0	0	11080.25	19026.14	2283.38	1729.39	2.24	0.00	0.00	0.00	337.73

Total C&D Waste generated 34586.11 Tons
Total C&D waste generated (Excluded excavated materials) 4354.31 Tons
Total C&D waste recycled 1731.64 Tons

Waste Recycling Rate =  $\frac{(a) + (g) + (h) + (i) + (j)}{(a) + (b) +$ 

Note:

For BEAM Plus certification scheme, excavated materials are excluded from the calculation of the waste reduction rate Record with <u>Underlined</u> indicated updated content

# **Appendix H. Environmental Licences and Permits**

Table H.1: Summary of Environmental Licences and Permits Status (KTSP)

Item No.	Type of Permit / Licence	Reference No.	Application Date	Valid from	Valid until	Remark
1	Environmenta I Permit under EIAO	EP-544/2017	21 Aug 2017	8 Sep 2017	N/A	Issued
2	Construction Dust Notification under APCO	441733	25 Jan 2019	29 Jan 2019	N/A	N/A
3	Construction Waste Disposal Account (Main)	7033182	12 Feb 2019	12 Feb 2019	N/A	N/A
4	Construction Waste Disposal Account (Vessel)	7033555	11 Jul 2022	10 Aug 2022	10 Nov 2022	Issued
5	Registration as a Chemical Waste Producer	WPN5213- 286-H3906- 02	29 Jan 2019	12 Feb 2019	N/A	N/A
6	Discharge Licence under WPCO	WT00034082 -2019	15 Feb 2019	26 Jun 2019	30 Jun 2024	Issued
7	Construction Noise Permit (Construction Works, Barging Point)	GW-RE0522- 23	27 Apr 2023	21 May 2023	20 Nov 2023	Superseded by GW- RE1442-23 on 21 Nov 2023
8	Construction Noise Permit (Special Truss Delivery Port)	GW-RE0668- 23	5 Jun 2023	6 Jul 2023	5 Oct 2023	Issued
9	Construction Noise Permit (Special Shing Kai Road)	GW-RE0770- 23	26 Jun 2023	1 Aug 2023	31 Oct 2023	Superseded by GW-1255- 23 on 1 Nov 2023
10	Construction Noise Permit (Construction Works, Northern Site)	GW-RE0782- 23	29 Jun 2023	30 Jul 2023	29 Oct 2023	Superseded by GW- RE1253-23 on 30 Oct 2023

Item No.	Type of Permit / Licence	Reference No.	Application Date	Valid from	Valid until	Remark
11	Construction Noise Permit (Construction Works, Southern Site)	GW-RE0903- 23	21 Jul 2023	24 Aug 2023	23 Nov 2023	Superseded by GW- RE1335-23 on 24 Nov 2024
12	Construction Noise Permit (Construction Works, Northern Site)	GW-RE1253- 23	28 Sep 2023	30 Oct 2023	29 Jan 2024	Issued
13	Construction Noise Permit (Special Shing Kai Road)	GW-RE1255- 23	3 Oct 2023	1 Nov 2023	31 Jan 2024	Issued
14	Construction Noise Permit (Construction Works, Southern Site)	GW-RE1335- 23	18 Oct 2023	24 Nov 2023	23 Mar 2024	Superseded by GW- RE1507-23 on 6 Dec 2023
15	Construction Noise Permit (Construction Works, Barging Point)	GW-RE1442- 23	3 Nov 2023	21 Nov 2023	20 May 2024	Issued
16	Construction Noise Permit (Construction Works, Southern Site)	GW-RE1507- 23	15 Nov 2023	6 Dec 2023	5 Apr 2024	Issued

Table H.2: Summary of Environmental Licences and Permits Status (H/O Development)

Item No.	Type of Permit / Licence	Reference No.	Application Date	Valid from	Valid until	Remark
1	Environmental Permit under EIAO	EP-544/2017	21 Aug 2017	8 Sep 2017	N/A	Issued
2	Construction Dust	458255	17 Jul 2020	17 Jul 2020	N/A	N/A
	Notification under APCO	470045	29 Jul 2021	29 Jul 2021	N/A	N/A
3	Construction Waste Disposal Account (Main)	7041267	29 Jul 2021	11 Aug 2021	N/A	Issued
4	Registration as a Chemical Waste Producer	WPN5211- 286-H1103- 23	29 Jul 2021	24 Aug 2021	N/A	Issued
5	Discharge Licence under WPCO	WT00039490 -2021	6 Aug 2021	9 Nov 2021	30 Nov 2026	Issued
6	Construction Noise Permit	GW-RE0494- 23	14 Apr 2023	2 Jun 2023	1 Nov 2023	Superseded by GW- RE1181-23 on 2 Nov 2023
7	Construction Noise Permit	GW-RE1181- 23	13 Sep 2023	2 Nov 2023	1 May 2024	Issued

# **Appendix I. Environmental Mitigation Measures Implementation Status**

#### Air Quality - Recommended Mitigation Measures

Air Quality Mitigation Measures during construction	Implem Sta	entation itus
	KTSP	H/O
Good housekeeping to minimize dust generation, e.g. by properly handling and storing dusty materials	✓	✓
<ul> <li>Store cement in shelter with 3 sides and the top covered by impervious materials if the stack exceeds 20 bags</li> </ul>	✓	✓
<ul> <li>Cement delivered in bulk should be stored in a closed silo fitted with an audible high level alarm which is interlocked with the material filling line and no overfilling is allowed</li> </ul>	N/A	N/A
<ul> <li>Loading, unloading, transfer, handling or storage of bulk cement should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with an effective fabric filter or equivalent air pollution control system</li> </ul>	✓	✓
<ul> <li>Dusty materials (e.g. debris) should be wetted by misting / water-spraying before any loading, unloading, transfer or transport operation</li> </ul>	Р	✓
<ul> <li>Any skip hoist for material transport should be fully enclosed by impervious sheeting</li> </ul>	✓	✓
<ul> <li>Surfaces where any pneumatic or power-driven drilling, cutting, polishing or other mechanical breaking operation takes place should be sprayed with water or a dust suppression chemical continuously</li> </ul>	Р	Р
<ul> <li>Any area that involves demolition activities should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after the activities to maintain the entire surface wet</li> </ul>	✓	✓
Excavation area should be minimized as far as possible	✓	✓
Stockpile of dusty materials should not be extended beyond the pedestrian barriers, fencing or traffic cones	✓	✓
<ul> <li>Excavated or stockpile of dusty material should be covered entirely by impervious sheeting or sprayed with water to maintain the entire surface wet, and then removed, backfilled or reinstated where practicable within 24 hours of the excavation or unloading</li> </ul>	Р	✓
<ul> <li>Dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads</li> </ul>	✓	✓
Properly fitted side and tail boards are necessary for any vehicle with open load area	✓	✓
<ul> <li>While transporting materials that potentially create dust (e.g. debris), materials should not be loaded higher than side and tail boards, and should be fully covered by tarpaulin or similar materials which extent at least 300 mm over the edges of the side and tail boards to prevent leakage.</li> </ul>	✓	✓
Limit the maximum vehicle speed within the site to 10km/hr	✓	✓
Haulage and delivery vehicles should be confined to designated roads	✓	✓
<ul><li>Every main haul road should either be</li><li>1.) paved with concrete and kept clear of dusty materials, or</li><li>2.) sprayed or watered to maintain the entire road surface wet</li></ul>	Р	Р
All on-site unpaved roads should be compacted and kept free of lose materials as possible	✓	✓
<ul> <li>Provide vehicle washing (e.g. wheel washing bay &amp; high pressure water jet where practicable) at every vehicle exit point for cleaning vehicle body and wheels</li> </ul>	✓	✓
The vehicle washing area and the road between washing area and site exit should be paved with concrete, bituminous or other hardcores	✓	✓
<ul> <li>The portion of any road leading only to construction site that is within 30m of a vehicle entrance or exit should be kept clear of dusty materials.</li> </ul>	✓	✓
<ul> <li>Dusty materials on every vehicle's body and wheels should be removed in washing area before leaving the site</li> </ul>	✓	✓

Regular maintenance of all plant equipment	✓	✓
Throttle down or switch off unused machines or machine in intermittent use	✓	✓
<ul> <li>If the site is adjacent to area where accessible to the public (e.g. road and service lane etc.), hoarding of not less than 2.4 m high from ground level should be erected along the adjoining the entire length of that portion of the site boundary, except for a site entrance or exit. The hoarding should be well maintained throughout the construction period.</li> </ul>	<b>√</b>	<b>√</b>
<ul> <li>Where a scaffolding is erected around the perimeter of a building under construction, effective dust screens, sheeting or netting should be provided to enclose the scaffolding from the ground floor level of the building, or a canopy should be provided from the first floor level up to the highest level of the scaffolding</li> </ul>	✓	N/A
<ul> <li>Exposed earth should be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shortcrete or other suitable surface stabiliser within six months after the last construction activity on the construction site or part of the construction site where the exposed earth lies</li> </ul>	✓	<b>√</b>
Carry out air quality monitoring throughout the construction period	✓	✓
Carry out weekly site inspection to audit the implementation of mitigation measures	✓	✓
<ul> <li>Regular watering once per hour on exposed worksites and haul road with an equivalent intensity of not less than 1.3L/m3 to achieve 91.7% dust removal efficiency.</li> </ul>	✓	✓
<ul> <li>Provision of electrical vehicle (EV) charging facilities in at least one-third of the car parking spaces for private cars. Provision of EV charging enabling facilities in all car parking spaces provided for private cars.</li> </ul>	✓	N/A
Non-Road Mobile Machinery (NRMMs)		
<ul> <li>All NRMMs operated on-site are approved or exempted (as the case may be) and affixed with the requisite approval/exemption labels under the Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation or are in the process of application for such approval/exemption during the relevant grace period.</li> </ul>	<b>√</b>	Р

#### **Noise - Recommended Mitigation Measures**

Noise Mitigation Measures during construction	Implementation Status	
	KTSP	H/O
Adopt good site practice, such as throttle down or switch off equipment unused or intermittently used between works	✓	✓
Regular maintenance of equipment to prevent noise emission due to impair	✓	✓
<ul> <li>Position mobile noisy equipment in locations away from NSRs and point the noise sources to directions away from NSRs</li> </ul>	✓	✓
Use silencer or muffler for equipment	✓	✓
Make good use structures for noise screening	✓	✓
<ul> <li>Use Quality Powered Mechanical Equipment (QPME) and quiet equipment which produces lower noise level.</li> </ul>	✓	✓
<ul> <li>Erect movable noise barrier of 3m height to shed large plant equipment (e.g. breaker, backhoe &amp; mobile crane) or hand-held items (e.g. poker, wood saw, power rammer &amp; compactor) near low-rise NSR. Where necessary, special design (e.g. with noise absorbing material or bend top) should be adopted. The barrier's length should be at least five times greater than its height, and the minimum surface density is 10 kg/m2. Alternatively, acoustic shed, enclosure or silencer (for generator, air compressor and concrete pump) or acoustic mat (for piling) can be adopted.</li> </ul>	✓	N/A
Carry out regular site inspection to audit the implementation of mitigation measures	✓	✓
Carry out noise monitoring throughout the construction period	✓	✓

#### Water Quality - Recommended Mitigation Measures

water Qt	ality Mitigation Measures during construction	Impleme Stat	
		KTSP	H/O
<ul> <li>Practice</li> </ul>	s outlined in ProPECC PN 1/94 Construction Site Drainage should be adopted.	✓	✓
	erimeter channels in the works areas to intercept runoff from boundary prior to the cement of any earthwork	✓	✓
To preve provided	ent storm runoff from washing across exposed soil surfaces, intercepting channels should be	✓	✓
of regula	channels are required to convey site runoff to sand/silt traps and oil interceptors. Provision r cleaning and maintenance to ensure the normal operation of these facilities throughout the tion period.	<b>√</b>	✓
	tical options for the diversion and realignment of drainage should comply with both ing and environmental requirements	✓	✓
	distances of 100 m should be maintained between the discharge points of construction site discharge with the existing WSD saltwater intake and EMSD cooling water intake.	✓	✓
operated maintair generate	wing good site measures should be adopted for the use of the existing barging facilities being by the MTR SCL Project: - All vessels should be sized so that adequate clearance is ed between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not do by turbulence from vessel movement or propeller wash.  Deer barges should be fitted with tight fitting seals to their bottom openings to prevent leakage al.	N/A	N/A
- Constr to be pre	action activities should not cause foam, oil, grease, scum, litter or other objectionable matter assent on the water within the site.		
	g of barges and hoppers should be controlled to prevent splashing of material into the ling water.		
-	or hoppers should not be filled to a level that will cause the overflow of materials or polluted ring loading or transportation. Whole construction site Contractor P WPCO, EIAO-TM Page		
	off and wastewater generated from the works areas should be treated so that it satisfies all the s listed in the TM-DSS.	✓	✓
• Reuse	and recycling of the treated effluent from construction site runoff.	✓	✓
	site audit should be carried out to check the implementation status of the recommended ality impact mitigation measures throughout construction period.	✓	✓
<ul> <li>The cor seasons</li> </ul>	struction programme should be properly planned to minimise soil excavation, if any, in rainy	✓	✓
<ul><li>Any exp</li></ul>	osed soil surfaces should be properly protected to minimise dust emission.	✓	✓
<ul><li>In areas</li></ul>	where a large amount of exposed soils exist, earth bunds or sand bags should be provided.	✓	✓
	stockpiles should be covered with tarpaulin or impervious sheets at all times.	✓	<b>√</b>
<ul><li>Exposed</li></ul>			
• The stoo	kpiles of materials should be placed at locations away from any stream courses so as to	✓	✓
The stoo avoid re		<b>√</b>	✓ ✓
<ul><li>The stoo avoid re</li><li>Final su</li><li>Haul roa</li></ul>	kpiles of materials should be placed at locations away from any stream courses so as to easing materials into the water bodies.		
<ul> <li>The stoo avoid re</li> <li>Final sul</li> <li>Haul roa stone or</li> <li>Wheel v</li> </ul>	kpiles of materials should be placed at locations away from any stream courses so as to easing materials into the water bodies.  faces of earthworks should be compacted and protected by permanent work.  ds should be paved with concrete and the temporary access roads protected using crushed	✓	✓
<ul> <li>The stor avoid re</li> <li>Final sur</li> <li>Haul roa stone or</li> <li>Wheel would no</li> <li>Good si</li> </ul>	kpiles of materials should be placed at locations away from any stream courses so as to easing materials into the water bodies.  faces of earthworks should be compacted and protected by permanent work.  ds should be paved with concrete and the temporary access roads protected using crushed gravel, wherever practicable.  vashing facilities should be provided at all site exits to ensure that earth, mud and debris	<b>√</b>	√ √
The stod avoid re Final sur Haul roa stone or Wheel would no Good si litter on	kpiles of materials should be placed at locations away from any stream courses so as to easing materials into the water bodies.  faces of earthworks should be compacted and protected by permanent work.  ds should be paved with concrete and the temporary access roads protected using crushed gravel, wherever practicable.  vashing facilities should be provided at all site exits to ensure that earth, mud and debris at be carried out of the works areas by vehicles.  te practices should be adopted to keep the site dry and tidy, such as clean the rubbish and	√ ✓	✓ ✓
The stod avoid re Final sui Haul roa stone or Wheel would no Good si litter on Adequa Provide	kpiles of materials should be placed at locations away from any stream courses so as to easing materials into the water bodies.  faces of earthworks should be compacted and protected by permanent work.  ds should be paved with concrete and the temporary access roads protected using crushed gravel, wherever practicable.  vashing facilities should be provided at all site exits to ensure that earth, mud and debris to be carried out of the works areas by vehicles.  the practices should be adopted to keep the site dry and tidy, such as clean the rubbish and he construction sites.  the temporary site drainage and pumping should be provided, if necessary.  sufficient temporary toilets in the works areas. The toilet facilities should be more than 30 m watercourse. A licensed waste collector should be deployed to clean the temporary toilets on	✓ ✓ ✓	✓ ✓ ✓

<ul> <li>Contractor must register as a chemical waste producer if chemical wastes would be 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.</li> </ul>	<b>√</b>	✓
<ul> <li>Any service shop and maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.</li> </ul>	<b>✓</b>	✓
Clean the construction sites on a regular basis.	✓	✓
<ul> <li>Oil interceptor in car parking area shall be designed and constructed according to Practice Note for Authorized Persons, Registered Structural Engineers and Registered Geotechnical Engineers, APP- 46 (PNAP 124)</li> </ul>	✓	N/A
<ul> <li>Provide two sequential storage tanks to contain surface water with residual fertilizers and pesticides and third holding tank for incidental rainstorm</li> </ul>	N/A	N/A
Sewerage and Sewage Treatment Implications		
<ul> <li>Implementation of Sewer No. 1 and Sewer No.2 as proposed in Sections 7.2.2 - 7.2.3 of the EIA Report</li> </ul>	✓	✓

### Waste Management – Recommended Mitigation Measures

Waste Management Mitigation Measures during construction	Impleme State	
	KTSP	H/O
<ul> <li>Inert C&amp;D materials (or public fills) will be used to form the ramps and other filling area as far as civil engineering design permits.</li> </ul>	✓	✓
<ul> <li>The contractor should formulate waste management measures on waste minimization, storage, handling and disposal in a Waste Management Plan as part of Environmental Management Plan.</li> </ul>	✓	✓
<ul> <li>Adopt good site practice as follows:</li> <li>Provide training to workers on site cleanliness, waste management (waste reduction, reuse and recycle) and chemical handling procedures</li> <li>Provide sufficient waste collection points and regular removal</li> <li>Cover waste materials with tarpaulin or in enclosure during transportation</li> <li>Maintain drainage systems, sumps and oil interceptors</li> <li>Sort out chemical waste for proper handling and treatment onsite or offsite</li> </ul>	Р	Р
<ul> <li>Adopt waste reduction measures as follows:</li> <li>Allocate area/containers for sorting, recovering and storing waste for reuse, recycle or disposal (e.g. demolition debris and excavated materials, general refuse like aluminium cans.) Remove waste from the Site for sorting once generated if no suitable space can be identified.</li> <li>Allocate area for proper storage of construction materials to prevent contamination</li> <li>Minimize wastage through careful planning and avoiding over-purchase of construction materials</li> </ul>	<b>~</b>	✓
<ul> <li>Store waste materials properly as follows:</li> <li>Avoid contamination by proper handling and storing waste</li> <li>Prevent erosion by covering waste</li> <li>Apply water spray on excavated materials</li> <li>Maintain and clean storage area regularly</li> <li>Sort and stockpile different materials at designated location to enhance reuse</li> </ul>	Р	<b>√</b>
<ul> <li>Apply for relevant waste disposal permits in accordance with the Waste Disposal Ordinance (Cap. 354), Waste Disposal (Charges for Disposal of Construction Waste) Regulation (Cap. 345) and the Land (Miscellaneous Provisions) Ordinance (Cap. 28), Dumping at Sea Ordinance (Cap. 466).</li> </ul>	✓	✓
<ul> <li>Hire licensed waste disposal contractors for waste collection and removal. Dispose waste at licensed waste disposal facilities.</li> </ul>	✓	✓
<ul> <li>Implement trip-ticket system for recording the amount of waste generated, recycled and disposed, including chemical wastes</li> </ul>	✓	✓
<ul> <li>Reduce water content in wet spoil generated from piling work by mixing with dry materials. Only dispose treated spoil with less than 25% dry density to Public Fill Reception Facilities</li> </ul>	✓	✓

Dianage dry wests or wests with less than 700/, water content by weight to landfill	<b>√</b>	✓
Dispose dry waste or waste with less than 70% water content by weight to landfill  Fillow the Code of Provide and the Provide Advanced Character of Characte		•
<ul> <li>Follow the Code of Practice on the Packaging, Labelling and Storage of Chemical Waste as follows:</li> <li>Store chemical wastes with suitable containers. Seal and maintain the container to avoid leakage or spillage during storage, handling and transport</li> </ul>	•	•
<ul> <li>Label chemical waste containers in both English and Chinese with instructions in accordance to Schedule 2 of the Waste Disposal (Chemical Waste) (General) Regulation</li> <li>The container capacity should be smaller than 450 litres unless agreed by the EPD</li> </ul>		
Comply with the requirement of the chemical storage area:	Р	✓
- Store only chemical waste and label clearly the chemical characters of the waste		
- Have at least 3 sides enclosed and protected from rainfall with cover - Provide sufficient ventilation		
- Provide sufficient ventilation - Have impermeable floor and has bunds to contain 110% of the capacity of the largest container or		
20% of the total volume of the stored waste in the area, whichever is larger  - Adequately spaced incompatible materials		
<ul> <li>Transfer used lubricants, waste oils and other chemicals to oil recycling companies, if possible, and empty oil drums for reuse or refill. No direct or indirect discharge is permitted</li> </ul>	✓	✓
<ul> <li>Hire licensed chemical waste disposal contractors for waste collection and removal. Dispose chemical waste at the approved Chemical Waste Treatment Centre at Tsing Yi or other licensed facility</li> </ul>	✓	✓
Hire reputable waste collector to separately collect and dispose general refuse from other wastes.  Cover the waste to prevent being blown away	✓	✓
<ul> <li>The hauling of C&amp;D materials shall follow established environmental mitigation measures as stated in Practice Note for Registered Contractors No. 17 "Control of Environmental Nuisance from Construction Sites" issued by the Buildings Department</li> </ul>	✓	✓
<ul> <li>Provide recycling bins for sorting out recyclables for collection by recycling companies. Non- recyclables should be removed to designated landfills every day by licensed collectors to prevent environmental and health nuisance.</li> </ul>	✓	✓
<ul> <li>Organize training and reminders to site staff on waste minimization through avoidance and reduction, reusing and recycling</li> </ul>	✓	✓
<ul> <li>Bentonite slurry which will not be reused shall be disposed of from the Site as soon as possible.</li> <li>Residual used dewatered bentonite slurry should be disposed to a public filling area and liquid bentonite slurry if mixed with inert fill material should be disposed to a public filling area.</li> </ul>	N/A	N/A
• If chemical wastes were to be produced at the construction site, the Contractor would be required to register with the EPD as a Chemical Waste Producer, and to follow the guidelines stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the waste such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor shall use a licensed collector to transport the chemical wastes.	<b>√</b>	<b>✓</b>
<ul> <li>The licensed collector shall deliver the waste to the Chemical Waste Treatment Centre at Tsing Yi, or other licensed facility, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation</li> </ul>		
Carry out weekly site inspection to check the implementation status of the recommended waste management measures.	✓	✓
<ul> <li>The barging of C&amp;DM for this Project shall use the existing Kai Tak Barging Facility (KTBF), or otherwise approved by the Director.</li> </ul>	N/A	N/A

#### **Ecology – Recommended Mitigation Measures**

Ecology Mitigation Measures during construction	Implementat Status	
	KTSP	H/O
Erection of hoarding, fencing or provision of clear demarcation of work zone	✓	✓
<ul> <li>Designate areas for placement of equipment, building materials and wastes away from drainage channels</li> </ul>	✓	✓

<ul> <li>Carry out weekly site inspection to check the implementation status and the effectiveness of the proposed mitigation measures</li> </ul>	✓	✓
andscape and Visual – Recommended Mitigation Measures		
Landscape and Visual Mitigation Measures during construction	Impleme Stat KTSP	
Construction Lighting Control		- H/U
<ul> <li>Construction Lighting Control</li> <li>- All security floodlights for construction sites should be equipped with adjustable shields, frosted diffusers and reflective covers, and be controlled to minimize light pollution and night-time glare to the visual sensitive receivers (VSRs).</li> </ul>	•	v
<ul> <li>Temporary Landscape Treatments</li> <li>Including vertical greening, pot planting and application of green roofing to site offices, Hydroseeding of site formation areas and short term greening of site boundaries and land not immediately developed.</li> </ul>	✓	N/A
Decoration of Hoarding - Erection of screen hoardings should be designed appropriately to be compatible with the existing urban context, either brightly and imaginatively or with visually unobtrusive design and colours where more appropriate.	✓	✓
All security floodlights for construction sites shall be equipped with adjustable shield, frosted diffusers and reflective covers, and be carefully controlled to minimize light pollution and night-time glare to nearby receivers	✓	N/A
Site inspection should be undertaken once every two weeks.	✓	✓
<ul> <li>Compensatory Tree Planting</li> <li>A new parkland area is created in the project development to be used for the implementation of compensatory tree planting to offset the net loss of key landscape resources. It is recommended that 340 trees be planted in this regard and a compensatory tree planting proposal outlining the locations of tree compensation will be submitted separately in seeking relevant government department's approval in accordance with DEVB TC No.7/2015.</li> </ul>	<b>√</b>	N/A

#### Other - Recommended Mitigation Measures

• Relevant environmental permits/licences should be posted at all vehicle entrances/exits.

#### Legend:

Implemented Not implemented Partially implemented Not applicable

N/A

# Appendix J. Statistics on Environmental Complaints, Notification of Summons and Successful Prosecutions

Table J.1: Statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Complaints	Notifications of Summons	Successful Prosecutions
This reporting period (Oct to Dec 2023)	2	0	0
From commencement date of construction to end of reporting month	33	0	0

# **Appendix K. Calibration Certificate**

# **ALS Technichem (HK) Pty Ltd**

#### **ALS Laboratory Group**

ANALYTICAL CHEMISTRY & TESTING SERVICES



#### SUB-CONTRACTING REPORT

CONTACT

: MR K.W. FAN

WORK ORDER

HK2247804

CLIENT

: ENVIROTECH SERVICES CO.

SUB-BATCH

: 1

**ADDRESS** 

: RM 712, 7/F, MY LOFT 9 HOI WING ROAD,

DATE RECEIVED: 30-NOV-2022

TUEN MUN, N.T., HK

DATE OF ISSUE : 9-DEC-2022

**PROJECT** 

NO. OF SAMPLES : 1

CLIENT ORDER

#### General Comments

- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition. The result(s) related only to the
- Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified.
- Calibration was subcontracted to and analysed by Action-United Environmental Services & Consulting.

#### Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

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

All pages of this report have been checked and approved for release.

ALS Technichem (HK) Pty Ltd Part of the ALS Laboratory Group WORK ORDER

: HK2247804

SUB-BATCH

CLIENT

: 1 : ENVIROTECH SERVICES CO.

: ---PROJECT



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.	
HK2247804-001	S/N: 235780	Equipments	30-Nov-2022	S/N: 235780	

#### **Equipment Verification Report (TSP)**

#### **Equipment Calibrated:**

Type:

Laser Dust monitor

Manufacturer:

Sibata LD - 3B

Serial No.

235780

**Equipment Ref:** 

NA

Job Order

HK2247804

#### Standard Equipment:

Standard Equipment:

Higher Volume Sampler (TSP)

Location & Location ID:

AUES office (calibration room)

Equipment Ref:

HVS 018

Last Calibration Date:

13 September 2022

#### **Equipment Verification Results:**

Verification Date:

6 December 2022

Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in ug/m³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
2hr01mins	09:37 ~ 11:38	17.1	1019.7	18.8	1451	12.0
2hr01mins	11:42 ~ 13:43	17.1	1019.7	20.7	1543	12.8
2hr01mins	13:48 ~ 15:49	17.1	1019.7	28.0	1605	13.3

#### Linear Regression of Y or X

Slope (K-factor):

1.8054 (µg/m<sup>3</sup>)/CPM

Correlation Coefficient (R)

0.9651

Date of Issue

7 December 2022

#### Remarks:

- 1. Strong Correlation (R>0.8)
- Factor 1.8054 (µg/m³)/CPM should be applied for TSP monitoring

\*If R<0.5, repair or re-verification is required for the equipment

Operator :

Fai So

Signature:

Date:

7 December 2022

10

y = 1.8054x - 0.3341

 $R^2 = 0.9315$ 

15

OC Reviewer

Ben Tam

Signature

Date

30 25

20

15

10

0 .

Date: 7 December 2022

# **ALS Technichem (HK) Pty Ltd**

#### **ALS Laboratory Group**





#### SUB-CONTRACTING REPORT

CONTACT

: MR MAGNUM FAN

WORK ORDER

HK2319585

CLIENT

ENVIROTECH SERVICES CO.

SUB-BATCH

**ADDRESS** 

: RM 712, 7/F, MY LOFT 9 HOI WING ROAD,

DATE RECEIVED: 18-MAY-2023

TUEN MUN, N.T., HK

DATE OF ISSUE : 24-MAY-2023

**PROJECT** 

NO. OF SAMPLES : 1 CLIENT ORDER

#### General Comments

- No sample is received in this Work Order. The report presents non-laboratory testing data only.
- Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified.

#### Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Position

Richard Fung

Managing Director

WORK ORDER

: HK2319585

SUB-BATCH

: 1

CLIENT

: ENVIROTECH SERVICES CO.

PROJECT :-



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2319585-001	Sibata (235786)	Equipments	04-May-2023	S/N: 235786



#### Envirotech Services Co.

Rm. 712, 7/F My Loft, My Loft, 9 Hoi Wing Road, Tuan Mun, H.K. Tel: 2560 8450 Fax: 2560 6553

#### **Equipment Verification Report (TSP)**

#### **Equipment Calibrated:**

Type:

Laser Dust Monitor

Manufacturer:

Sibata LD-3B

Serial No.:

235786

Equipment Ref.:

N/A

ALS Job Order:

HK2317739

Standard Equipment

Standard Equipment:

High Volume Sampler (TSP)

Location & Location ID:

Envirotech Room (Calibration Room)

Equipment Ref.:

HVS 8162

Last Calibration Date:

26-Apr-2023

#### **Equipment Verification Results:**

Verification Date:

4, 5 & 6 May 2023

Hour	Time	Mean Temp °C	Mean Pressure (hpa)	Concentration in µg/m <sup>3</sup> (Standard Equipment)	Total Count (Calibrated Equipment)	Count /Minute (Total Count/min)
1hr 00mins	0930-1030	24.2	1015.2	137	4431	74
1hr 00mins	1640-1740	28.5	1008.5	67	1870	31
1hr 00mins	1300-1400	29.2	1006.5	74	2410	40

#### Linear Regression of Y or X

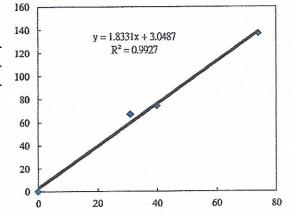
Slope (K-factor):

1.8331(µg/m³)/CPM

Correlation Coefficient (R):

Date of Issue:

0.9963 12-May-2023



#### Remarks:

- 1. Strong Correlation (>0.8)
- 2. Factor 1.8331 (µg/m³)/CPM should be applied for TSP monitoring

Operator:

P.F.Yeung

Signature

Date: 12 May 2023

QC Reviewer:

K.F.Ho

Signature

Date: 12 May 2023

<sup>\*</sup>If R<0.5, repair or verification is required for the equipment

## **ALS Technichem (HK) Pty Ltd**

#### **ALS Laboratory Group**

ANALYTICAL CHEMISTRY & TESTING SERVICES



#### SUB-CONTRACTING REPORT

CONTACT

: MR MAGNUM FAN

WORK ORDER

SUB-BATCH

HK2312358

CLIENT

: ENVIROTECH SERVICES CO.

**ADDRESS** 

: RM 712, 7/F, MY LOFT 9 HOI WING ROAD,

DATE RECEIVED: 31-MAR-2023

TUEN MUN, N.T., HK

DATE OF ISSUE : 11-APR-2023

NO. OF SAMPLES : 1

**PROJECT** 

CLIENT ORDER

#### General Comments

- Sample(s) was/ were submitted by client. Sample(s) arrived laboratory in ambient condition. The result(s) related only to the
- Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified.
- Calibration was subcontracted to and analysed by Envirotech Services Company

#### Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

WORK ORDER

: HK2312358

SUB-BATCH

CLIENT

: 1 : ENVIROTECH SERVICES CO.

PROJECT



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.	
HK2312358-001	Sibata (326285)	Equipments	18-Mar-2023	S/N: 326285	



#### Envirotech Services Co.

Rm. 712, 7/F My Loft, 9 Hoi Wing Road, Yuan Mun, H.K. Tel : 2560 8450 Fax : 2560 6553

#### **Equipment Verification Report (TSP)**

#### **Equipment Calibrated:**

Type:

Laser Dust Monitor

Manufacturer:

Sibata LD-3B

Serial No.:

326285

Equipment Ref.:

Job Order:

N/A

HK2311344

#### Standard Equipment

Standard Equipment:

High Volume Sampler (TSP)

Location & Location ID:

Envirotech Room (Calibration Room)

Equipment Ref.:

HVS 8162

Last Calibration Date:

28-Feb-2023

#### **Equipment Verification Results:**

Verification Date:

17 & 18 March 2023

Hour	Time	Mean Temp°C	Mean Pressure (hpa)	Concentration in µg/m <sup>3</sup> (Standard Equipment)	Total Count (Calibrated Equipment)	Count / Minute (Total Count/min)
1hr 00mins	1410-1510	24.2	1018.2	100	3910	65
1hr 00mins	0810-0910	22.2	1021.5	67	2218	37
1hr 00mins	1510-1610	25.0	1022.4	68	2350	39

#### Linear Regression of Y or X

Slope (K-factor):

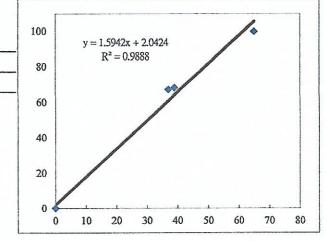
 $1.5942(\mu g/m^3)/CPM$ 

Correlation Coefficient (R):

0.9944

Date of Issue:

29-Mar-2023



#### Remarks:

- 1. Strong Correlation (>0.8)
- 2. Factor 1.5942 (µg/m³)/CPM should be applied for TSP monitoring

Operator:

P.F.Yeung

Signature

Date: 29 March 2023

QC Reviewer:

K.F.Ho

Signature

Date: 29 March 2023

<sup>\*</sup>If R<0.5, repair or verification is required for the equipment

# **ALS Technichem (HK) Pty Ltd**

## **ALS Laboratory Group**

ANALYTICAL CHEMISTRY & TESTING SERVICES



#### SUB-CONTRACTING REPORT

CONTACT

: MR MAGNUM FAN

TUEN MUN, N.T., HK

WORK ORDER

HK2321489

CLIENT

ENVIROTECH SERVICES CO.

ADDRESS

: RM 712, 7/F, MY LOFT 9 HOI WING ROAD,

SUB-BATCH

DATE RECEIVED : 2-JUN-2023

DATE OF ISSUE : 8-JUN-2023

NO. OF SAMPLES : 1 CLIENT ORDER

**PROJECT** 

#### General Comments

- No sample is received in this Work Order. The report presents non-laboratory testing data only.
- Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Result(s) of sample(s) is/are reported on as received basis, unless otherwise specified. The result(s) is/are related only to the item(s) tested.
- Calibration was subcontracted to Envirotech Services Company.

#### Signatories

This document has been signed by those names that appear on this report and are the authorised signatories

Signatories

Position

Richard Fung

Managing Director

WORK ORDER

: HK2321489

SUB-BATCH

CLIENT

: 1 : ENVIROTECH SERVICES CO.

PROJECT



ALS Lab	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.	
HK2321489-001	SIBATA (456668)	Equipments	25-May-2023	S/N: 456668	



#### Envirotech Services Co.

Rm. 712, 7/F My Loft, 9 Hoi Wing Road, Tuen Mun, H.K. Tel - 2580 8450 Fax : 2580 6553

#### **Equipment Verification Report (TSP)**

Type:

Laser Dust Monitor

Manufacturer:

Sibata LD-3B

Serial No.:

456668

Equipment Ref .:

N/A

ALS Job Order:

HK2320686

#### **Standard Equipment**

Standard Equipment:

High Volume Sampler (TSP)

Location & Location ID:

Envirotech Room (Calibration Room)

Equipment Ref .:

HVS 8162

Last Calibration Date:

26-Apr-2023

#### **Equipment Verification Results:**

Verification Date:

25, 26 & 27 May 2023

Hour	Time	Mean Temp <sup>o</sup> C	Mean Pressure (hpa)	Concentration in µg/m³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count /Minute (Total Count/min)
1hr 00mins	1620-1720	27.5	1011.2	57	2334	39
1hr 00mins	1030-1130	28.5	1013.6	55	2165	36
1hr 00mins	0915-1015	28.8	1011.1	50	1537	26

#### Linear Regression of Y or X

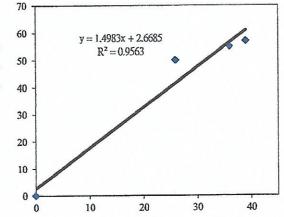
Slope (K-factor):

1.4983(µg/m<sup>3</sup>)/CPM

Correlation Coefficient (R):

Date of Issue:

0.9779 1-Jun-2023



#### Remarks:

- 1. Strong Correlation (>0.8)
- 2. Factor 1.4983 (µg/m³)/CPM should be applied for TSP monitoring

Operator:

P.F.Yeung

Signature

Date: 01 June 2023

QC Reviewer:

K.F.Ho

Signature

Date: 01 June 2023

<sup>\*</sup>If R<0.5, repair or verification is required for the equipment



## 輝創工程有限公司

Sun Creation Engineering Limited

Calibration & Testing Laboratory

# Certificate of Calibration 校正證書

Certificate No.: C230386

證書編號

Date of Receipt / 收件日期: 27 January 2023

ITEM TESTED / 送檢項目 (Job No. / 序引編號: IC23-0164)

Description / 儀器名稱

Precision Acoustic Calibrator

Manufacturer / 製造商

**LARSON DAVIS** 

Model No. / 型號

CAL200

Serial No. / 編號

10227

Supplied By / 委託者

Envirotech Services Co.

Room 712, 7/F, My Loft, 9 Hoi Wing Road, Tuen Mun,

New Territories, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度

 $(23 \pm 2)^{\circ}$ C

Relative Humidity / 相對濕度 :

 $(50 \pm 25)\%$ 

Line Voltage / 電壓 :

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期

28 January 2023

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.

The results are detailed in the subsequent page(s).

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

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- Agilent Technologies / Keysight Technologies
- Fluke Everett Service Center, USA

Tested By 測試

HT Wong

Assistant Engineer

Certified By

K C Lee Engineer Date of Issue

30 January 2023

核證

簽發日期

written approval of this laboratory. 本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。

Sun Creation Engineering Limited - Calibration & Testing Laboratory c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 輝創工程有限公司 - 校正及檢測實驗所

c/o 香港新界屯門興安里 -號四樓 Tel/電話: (852) 2927 2606

Fax/傳真: (852) 2744 8986

E-mail/電郵: callab(a) suncreation.com

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior

Page 1 of 2 Website/細址-www.suncreation.com



#### 輝創工程有限公司

#### Sun Creation Engineering Limited

Calibration & Testing Laboratory

# Certificate of Calibration

校正證書

Certificate No.: C230386

證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.

2. The results presented are the mean of 3 measurements at each calibration point.

3. Test equipment:

Equipment ID CL130 CL281 TST150A

<u>Description</u>

Universal Counter

Multifunction Acoustic Calibrator Measuring Amplifier Certificate No.

C223647 AV210017 C221750

4. Test procedure: MA100N.

Results:

5.1 Sound Level Accuracy

UUT	Measured Value	Uncertainty of Measured Value
Nominal Value	(dB)	(dB)
94 dB, 1 kHz	93.9	± 0.2
114 dB, 1 kHz	113.9	

5.2 Frequency Accuracy

deficy recuracy			
UUT Nominal Value	Measured Value	Uncertainty of Measured Value	
(kHz)	(kHz)	(Hz)	
1	1.000	± 1	

Remark: The uncertainties are for a confidence probability of not less than 95 %.

Note:

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration is traceable to the National Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。

Sun Creation Engineering Limited – Calibration & Testing Laboratory
c/o 4F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong
輝創工程有限公司 - 校正及檢測實驗所
c/o 香港新界屯門與安里一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com

# Certificate of Calibration

for

Description:

Sound Level Meter

Manufacturer:

**RION** 

Type No.:

NL-52 (Serial No.: 00131627)

Microphone:

UC-59 (Serial No.: 04870)

Preamplifier:

NH-25 (Serial No.: 10403)

Submitted by:

Customer:

Envirotech Services Co.

Address:

Rm.113, 1/F., My Loft, 9 Hoi Wing Road,

Tuen Mun, Hong Kong

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

**☑** Within (31.5Hz – 8kHz)

☐ 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: 07 June 2023

Date of calibration: 08 June 2023

Date of NEXT calibration: 07 June 2024

Calibrated by:

Calibration Technician

Certified by:

Mr. Ng Yan Wa Laboratory Manager

Date of issue: 08 June 2023

Certificate No.: APJ23-029-CC001

(A+A) \*L)? 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:

22.5°C

Air Pressure:

1006 hPa

Relative Humidity:

64.5 %

#### 3. Calibration Equipment:

Type

Serial No.

Calibration Report Number

Traceable to

**Multifunction Calibrator** 

B&K 4226

2288467

AV220061

HOKLAS

#### 4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. Wo	Freq. Weighting Time We		Level, dB	Frequency, Hz	dB	Specification, dB	
30-130	dBA	SPL	Fast	94	1000	94.0	±0.4	

#### Linearity

Setting of Unit-under-test (UUT)				App	lied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting		Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
			Fast	94		94.0	Ref
30-130	dBA	SPL		104	1000	104.0	±0.3
				114		114.0	±0.3

#### Time Weighting

Setting of Unit-under-test (UUT)				Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. Weighting Ti		Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB	
		an.	Fast	0.4	1000	94.0	Ref	
30-130	dBA SF	SPL	Slow	94	1000	94.0	±0.3	

Certificate No.: APJ23-029-CC001



E-mail: inquiry@aa-lab.com

Page 2 of 4

Homenage: http://www.aa-lab.com

#### Frequency Response

#### Linear Response

Sett	ing of Unit-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting	Freq. Weighting   Time Weighting   Lev		Frequency, Hz	dB	Specification, dB
				31.5	93.9	±2.0
	11			63	93.9	±1.5
		Fast	94	125	94.0	±1.5
				250	94.0	±1.4
30-130	dB SPL			500	94.0	±1.4
	1 1 1			1000	94.0	Ref.
				2000	93.9	±1.6
				4000	94.0	±1.6
				8000	92.2	+2.1; -3.1

#### A-weighting

Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. Weighting		Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	54.4	-39.4 ±2.0
		=		63	67.7	-26.2 ±1.5	
			Fast	94	125	77.9	-16.1 ±1.5
					250	85.3	$-8.6 \pm 1.4$
30-130	dBA	IBA SPL			500	90.7	-3.2 ±1.4
					1000	94.0	Ref
					2000	95.1	+1.2 ±1.6
					4000	95.0	+1.0 ±1.6
1, ", ", 1					8000	91.2	-1.1+2.1; -3.1

#### C-weighting

Setti	Setting of Unit-under-test (UUT)			Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. Weighting		Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	90.8	-3.0 ±2.0
				63	93.1	-0.8 ±1.5	
			Fast	94	125	93.8	-0.2 ±1.5
					250	93.9	-0.0 ±1.4
30-130	dBC	SPL			500	94.0	$-0.0 \pm 1.4$
					1000	94.0	Ref
= = =					2000	93.7	-0.2 ±1.6
					4000	93.2	$-0.8 \pm 1.6$
					8000	89.3	-3.0 +2.1: -3.1

Certificate No.: APJ23-029-CC001



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Homepage: http://www.aa-lab.com



#### 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	± 0.05
	63 Hz	± 0.05
	125 Hz	± 0.05
	250 Hz	± 0.05
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.05
	8000 Hz	± 0.10
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.

TO AR TESTING LABORATION (A+A) \*L

E-mail: inquiry@aa-lab.com

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Homenage: http://www.aa-lab.com

# **Appendix L. Complaint Investigation Report**



#### **Complaint Investigation Report**

RECEIPT OF COM	PLAINT						Ref: COM_003	2			
Date:	2 Novem	ber 2023									
Time:	17:44										
From:	Public co	ublic complaint referred by EPD									
Via:	email by	email by contractor representative									
Contact no.:	-										
COMPLAINANT											
Name:	-				Address:	-					
Contact no.:	-										
DETAILS OF COM	IPLAINT										
Date:	26 Octobe	r 2023 (dat	e of complain	int letter)							
Time:	-										
Parameter:*	<del>Dust</del>	Noise	Water	Other (spe	<del>ecify)</del> :						
Description:											

# - Please ensure the work fulfill the relevant environmental legislations and their subsidiary regulations. INVESTIGATION RESULT & RESPONSE

ET, IEC and SOR notified on: 2 November 2023 Investigation conducted on: 3 November 2023

Result of investigation:

Complaint investigation was carried out with the contractor at site area near Muk Tai Street on 3 November 2023, the results of investigation were summarized as following:

- Complaint of noise nuisance from the Construction site of The Kai Tak Sports Park at Kai Tak Development Area, Kowloon.

According to the contractor information, there was no night time work at site area near Muk Tai Street during the complaint period. All construction works carried out on site have been strictly followed the Construction Noise Permit requirement. The CNP for the construction works at northern site (site area closest to the Muk Tai Street) effective in October 2023 is attached for information. (Photos 5a and 5b).

ET and contractor carried out site inspections at Kai Tak Sports Park on 3 November 2023. (Photo 1) Noise mitigation measures recommended in EIA's Environmental Mitigation Implementation Schedule were generally implemented during the time of inspection.

Further enhancement had been carried out to prevent possible environmental nuisance included:

- 1. Subcontractors had been reminded to switch off all powered mechanical equipment every day after finish working during subcontractor meetings. (Photo 2)
- 2. The latest Construction Noise Permit has been provided to subcontractor for their perusal. (Photo 3)
- 3. Technician night shift team will patrol the north site area every day to ensure all unnecessary construction equipment are off. (Photo 4a, 4b and 4c)

In conclusion, construction noise mitigation measures at the Kai Tak Sports Park have been implemented and maintained. All construction works carried out have been fulfilling the relevant environmental legislations and their subsidiary regulations during the concerned period.

#### RECOMMENDATIONS / MITIGATION MEASURES / ACTIONS

Environmental mitigation measures have been maintained as follow:

- 1. All subcontractors had been reminded to switch off all powered mechanical equipment every day after finish working during subcontractor meetings. (Photo 2).
- 2. The latest Construction Noise Permit has been provided to subcontractor for their perusal. (Photo 3).
- 3. Technician night shift team will patrol the north site area every day to ensure all unnecessary construction equipment are off. (Photo 4a, 4b and 4c)
- 4. Implementation of construction noise mitigation measures recommended in EIA's Environmental Mitigation Implementation Schedule.

Prepared by: Sunny Chan Title: Environmental Team Leader

Signature: Date: 8 November 2023

#### **Attachment:**

#### 1. Photo Records of Environmental Measure Implemented

#### **Photo Record:**



Photo 1: Photo of site inspection on 3 November 2023. (site area close to the Muk Tak Street)

# Environmental Measure Implemented:

**Photo 2:** All subcontractors had been reminded to switch off all powered mechanical equipment every day after finish working during subcontractor meetings.



#### 備忘錄

致 : 各分利商 日 期 : 24/10/2023 由 : 鎖律克 工程編號: KT201901

地 盤: 啟德體育園項目 檔案編號: S28271/KT201901-Y03/WKC/SYY

#### 有關北區建築噪音許可證更新事宜

環境保護署已於 2023 年 10 月 16 日更新北區建築噪音許可證,並於 2023 年 10 月 30 日晚 7 時正起生效,有效至 2024 年 01 月 29 日晚上 12 時正。現特意提醒 責司必須嚴格 遵守有關要求,尤其注意必須遵守機動設備之組合以及許可建築工程所包括之範圍。 環 境保護署表示為進一步降低建築工程對啟德區居民造成滋擾,是次更新之北區建築噪音許 可證規限使用機動設備之時間將會作出以下變動:

- 按建築噪音許可證之要求,在公眾假日(包括星期日)時,認可之機動設備起動時間將會改由早上9點開始至晚上11點。
- 公眾假日以外的日子,認可之機動設備起動時間維持不變(即由下午7點至晚上11點)。

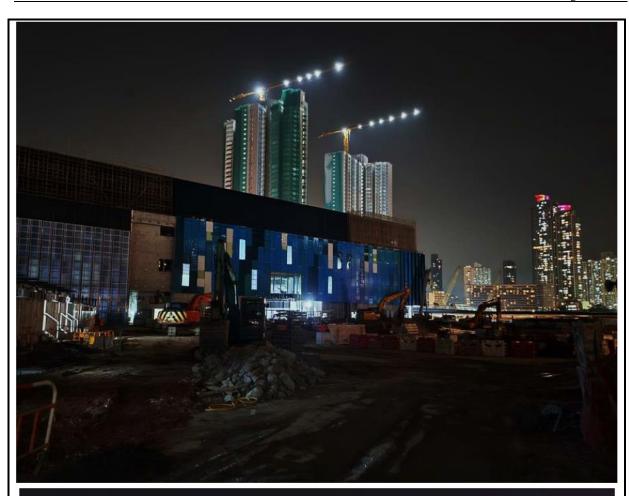
我司以隨本函附上最新建築噪音許可證以供參考,請 費司務必了解許可證之要求, 並提醒所有工地人員切實遵守《噪音管制條例》,並確保進行的工序、所使用機動設備顯 形、數量及其使用位置符合建築噪音許可證內的條款。根據分判合約,在分判合約有效期 間。政府所修定之新法例及分判合約所遺漏並已實行之法例,分判商亦須一律遵守。如有 違反相關條例而導致總承建商遭受檢控或導致任何損失,一切費用及罰款將由分判商承擔。 如我司發現費司有違規情況,將不作另外警告而嚴懲不懈,敬希注意。

協與工程有限公司

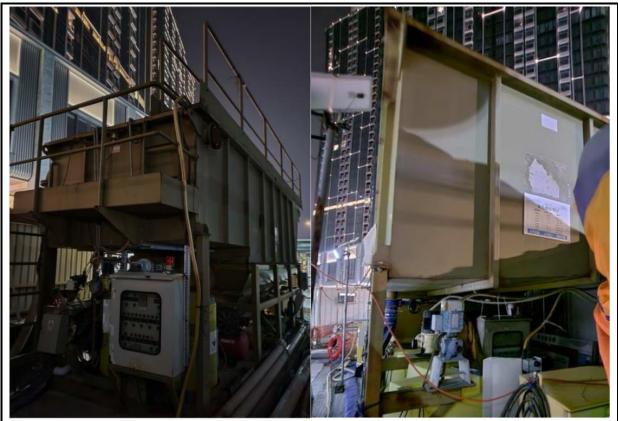
鐘偉克 助理合約經理

附件:北區建築噪音許可證 (GW-RE1253-23)

**Photo 3:** The latest Construction Noise Permit has been provided to subcontractor for their perusal.







**Photo 4a, 4b and 4c:** Technician night shift team will patrol the north site area every day to ensure all unnecessary construction equipment are off.



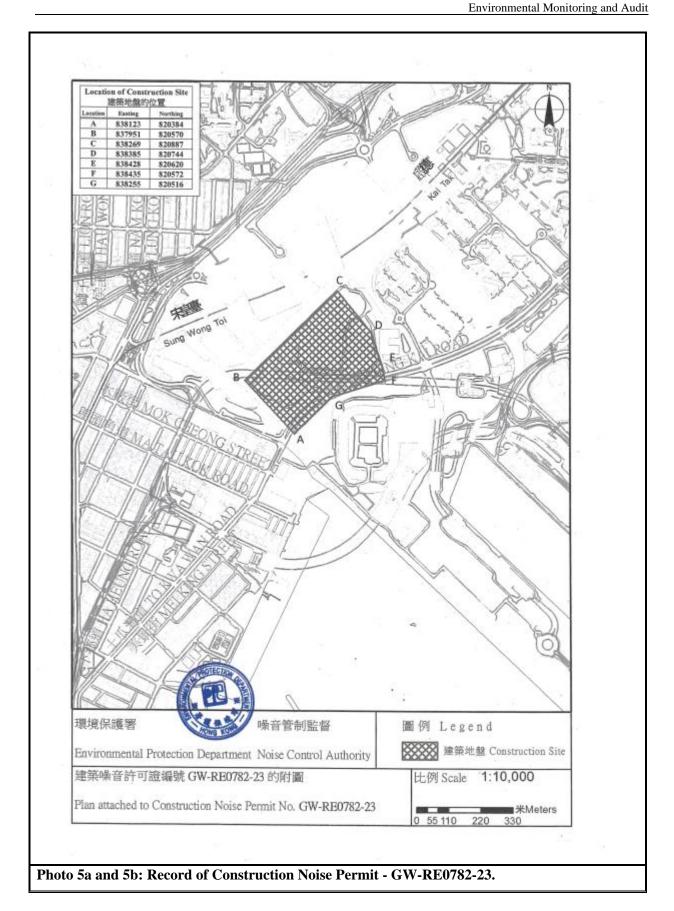
#### FORM 3 NOISE CONTROL ORDINANCE (Chapter 400) SECTION 8(9)

[reg.5(a)]

CONSTRUCTION NOISE PERMIT FOR THE USE OF POWERED

N211	RUCTION NOISE PERMIT N	O. GW-RE0782-23			
н	P HING ENGINEERING COMPA	ANY LIMITED			-
ered n	nechanical equipment for the purpos construction work, subject to the co	ordance with section 8 of the Noise 0 e of carrying out construction work nditions set out below. The carrying ag cancelled and in a prosecution for a	other than percussive out of construction	e piling and/or the carrying	out of
		CONDITIONS			
Const	truction site where the powered mecha	anical equipment and/or prescribed co	nstruction work may	be employed :	
Full a	address: Construction site of Kai T	ak Sports Park (North), Kai Tak, l			
			L	ot No.:	
Powe	RT/WHOLE of the site falls * WITHI red Mechanical Equipment Items of powered mechanical equipme	N/OUTSIDE a designated area.	boundary :	* * *	
. [	1		-	· · · · · · · · · · · · · · · · · · ·	-
	Identification code of item of powered mechanical equipment (if applicable)	, , , , , , , , , , , , , , , , , , ,	on of item of canical equipment	No. oj	funits
		Refer to attached sheet			
ь. °V	alidity of the construction noise perm	it for the use of the powered mechani	cal equipment:		
	Date and time of commencement :	30 July 2023	is.	0000 hours	
	Days and hours: 0000-2400 hours	on general holiday (including Sunday	y), 0000-0700 hours	and 1900-2400 hours on any	y day n
	being a general holiday [but note	condition 3.d.1. below for the oper	rating hours within	which the use of the abo	we list
		owed].			-
	powered mechanical equipment is all			2400 haves	
	powered mechanical equipment is all This part of the permit expires on :	29 October 2023	at	2400 hours	
c.	This part of the permit expires on :  One photograph, endorsed by the Arpermit is required to be kept on the or	29 October 2023  athority, of each item of powered meanstruction site and made available for of the powered mechanical equipment	chanical equipment of	described in this construction	on nois
c. d.	This part of the permit expires on :  One photograph, endorsed by the Arpermit is required to be kept on the co	athority, of each item of powered me onstruction site and made available for	chanical equipment of	described in this construction	on nois
c. d.	This part of the permit expires on :  One photograph, endorsed by the Arpermit is required to be kept on the co	athority, of each item of powered me onstruction site and made available for	chanical equipment of	described in this construction	on nois
c. d.	This part of the permit expires on :  One photograph, endorsed by the Arpermit is required to be kept on the co	athority, of each item of powered me onstruction site and made available for	chanical equipment of	described in this construction	on nois
c.	This part of the permit expires on :  One photograph, endorsed by the Arpermit is required to be kept on the co	athority, of each item of powered me onstruction site and made available for	chanical equipment of	described in this construction	on nois







#### **Complaint Investigation Report**

RECEIPT OF COM	PLAINT						Ref: COM	_0033			
Date:	30 Nover	nber 2023	1								
Time:	14:57	14:57									
From:	Public co	Public complaint referred by CSTB									
Via:	email by CSTB representative										
Contact no.:	-										
COMPLAINANT											
Name:	-				Address:	-					
Contact no.:	-										
DETAILS OF COM	PLAINT										
Date:	N/A										
Time:	-										
Parameter:*	Dust	Noise	Water	Other (spe	<del>ecify)</del> :						
Description: -Complaint of noise			-				-				

#### **INVESTIGATION RESULT & RESPONSE**

ET, IEC and SOR notified on: 30 November 2023 Investigation conducted on: 1 December 2023

Result of investigation:

Complaint investigation was carried out with the contractor at site area near Muk Tai Street on 1 December 2023, the results of investigation were summarized as following:

According to the information from contractor, the demolition work of temporary site office conducted at Kai Tak Sports Park near Muk Tai Street was nearly completed. All construction works carried out on site have been strictly following the relevant environmental legislation requirement.

ET and contractor carried out regular site inspections at Kai Tak Sports Park on 1 December 2023. (Photo 1a and 1b) Noise mitigation measures recommended in EIA's Environmental Mitigation Implementation Schedule were generally implemented during the time of inspection. The complaint has been replied by CSTB on 11 December 2023.

 $Regular\ mitigation\ measure\ had\ been\ implemented\ to\ prevent\ possible\ environmental\ nuisance\ included:$ 

- 1. Regular site inspection to ensure all construction work comply with environmental legislation requirement.
- 2. Regular noise monitoring implemented near Kai Tak Sport Park site area throughout demolition work to ensure compliance of relevant environmental regulation. (Photo 2a and 2b)

In conclusion, construction noise mitigation measures at the Kai Tak Sports Park have been implemented and maintained. All construction works carried out have been fulfilling the relevant environmental legislations and their subsidiary regulations during the concerned period.

#### RECOMMENDATIONS / MITIGATION MEASURES / ACTIONS

Environmental mitigation measures have been maintained as follow:

- 1. Regular site inspection to ensure all construction work comply with environmental legislation requirement.
- 2. Regular noise monitoring implemented near Kai Tak Sport Park site area throughout demolition work to ensure compliance of relevant environmental regulation. (Photo 2a and 2b)
- 3. Implementation of construction noise mitigation measures recommended in EIA's Environmental Mitigation Implementation Schedule.

Prepared by: Sunny Chan Title: Environmental Team Leader

Signature: Date: 28 December 2023

#### **Attachment:**

#### 1. Photo Records of Environmental Measure Implemented

#### **Photo Record:**





**Photo 1a and 1b:** Regular site inspection with contractor on 1 December 2023.



**Photo 2a and 2b:** Regular noise monitoring implemented near Kai Tak Sport Park site area throughout demolition work to ensure compliance of relevant environmental regulation.