MOTT MACDONALD

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

Quarterly EM&A Report (Oct 2021 – Dec 2021)

Jan 2022

Home Affairs Bureau

Home Affairs 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 2021 – Dec 2021)

Jan 2022

Mott MacDonald Hong Kong Limited
registered in Hong Kong no. 236497

Home Affairs Bureau

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. 11 (October to December 2021)
Date of Report:	January 2022
Date received by IEC:	26 January 2022

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

Independent Environmental Checker

Date: 27 January 2022

Our ref: 0500384_IEC Verification Cert_KTSP_Quarterly EM&A Rpt No.11.docx

Home Affairs Bureau
The Government of the Hong Kong Special Administrative Region

MOTT MACDONALD

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 2021 – Dec 2021)
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ETL Certification

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

Sunny Chan

Mr Sunny Chan
Environmental Team Leader Date: 27 January 2022

Contents

Executive Summary 1

1 Project Information 2
1.1 Project Organisation 2
1.2 Works Area and Construction Programme 2
1.3 Construction Works undertaken during the Reporting Period 3

2 Summary of EM&A Requirement 4
2.1 EM&A Requirement 4
2.2 Air Quality Monitoring Parameters, Frequency and Duration 4
2.3 Air Quality Monitoring Locations 4
2.4 Action and Limit Levels for Air Quality Monitoring 4
2.5 Wind Data 5
2.6 Noise Monitoring Parameters, Frequency and Duration 5
2.7 Noise Monitoring Locations 5
2.8 Action and Limit Levels for Noise Monitoring 6

3 Summary of Environmental Status 7
3.1 Construction Works undertaken during the Reporting Period 7
3.2 Implementation Status of Environmental Mitigation Measures 7
3.3 Monitoring Results 7
3.4 Solid and Liquid Waste Management Status 8
3.5 Summary of Non-compliance Status 9

4 Comments, Recommendations and Conclusion 11
4.1 Comments 11
4.2 Recommendations 11
4.3 Conclusions 12

Figures

Figure 2.1: Location of Air Quality Monitoring Stations
Figure 2.2: Location of Noise Monitoring Stations

Appendices

Appendix A. Project Organization for Environmental Works
Appendix B. Location of Works Areas
Appendix C. Construction Programme
Appendix D. Event and Action Plan

Appendix E. Monitoring Data and Graphical Plots (Air Quality and Noise)
Appendix F. Wind Data
Appendix G. Waste Flow Table
Appendix H. Environmental Licences and Permits
Appendix I. Environmental Mitigation Measures Implementation Status
Appendix J. Statistics on Environmental Complaints, Notification of Summons and Successful Prosecutions
Appendix K Calibration Certificate
Appendix L Complaint Investigation Report

Tables

Table 1.1: Contact Information of Key Personnel 2
Table 1.2: Construction Works undertaken during the Reporting Period 3
Table 2.1: Air Quality Monitoring Parameters, Frequency and Duration 4
Table 2.2: Construction Dust Monitoring Locations 4
Table 2.3: Action and Limit Levels for 1-hour TSP 5
Table 2.4: Noise Monitoring Parameters, Frequency and Duration 5
Table 2.5: Construction Noise Monitoring Locations 6
Table 2.6: Action and Limit Level for Construction Noise 6
Table 3.1: Construction Works undertaken during the Reporting Period 7
Table 3.2: Summary of Site Inspection and Landscape Audit during the Reporting Period 7
Table 3.3: Summary of 1-hour TSP Monitoring Results during the Reporting Period 7
Table 3.4: Summary of Construction Noise Monitoring Results during the Reporting Period 8
Table 3.5: Comparison of Estimated Amount and Actual Amount of Waste Generated during the Reporting Period 8
Table 3.6: Summary of Complaints during the reporting period 9
Table D.1: Event and Action Plan for Construction Air Quality (Action Level)
Table D.2: Event and Action Plan for Construction Air Quality (Limit Level)
Table D.3: Event and Action Plan for Construction Noise
Table H.1: Summary of Environmental Licences and Permits Status (KTSP)
Table H.2: Summary of Environmental Licences and Permits Status (H/O Development)
Table J.1: Statistics on Environmental Complaints, Notifications of Summons and Successful Prosecutions

Executive Summary

This is the 11th 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 2021 to 31 December 2021 (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, AMS2	5, 11, 16, 22 28 Oct 2021 3, 9, 15, 19, 25 Nov 2021 1, 7, 13, 17, 23, 29 Dec 2021
Noise impact monitoring ($L_{eq\ (30\ min)}$)	NMS1, NMS2	5, 11, 22, 28 Oct 2021 3, 9, 15, 25 Nov 2021 1, 7, 13, 23, 29 Dec 2021
Weekly environmental site inspections	Kai Tak Sports Park Project Site	6, 15, 20, 26 Oct 2021 3, 10, 17, 23 Nov 2021 1, 8, 15, 22, 28 Dec 2021
Bi-weekly landscape and visual site inspections	Kai Tak Sports Park Project Site	6, 20 Oct 2021 3, 17 Nov 2021 8, 22 Dec 2021

Breaches of Action and Limit Levels

Air Quality

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

Noise

Two noise related complaints were received during the reporting period. Two Action Levels for Noise were triggered during the reporting period.

No exceedance of Limit Level of noise at NMS1 and NMS2 was recorded during the reporting period.

Complaint Log

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

Notifications of Summons and Successful Prosecutions

There were no notifications of summons or prosecutions received during 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 (Mott MacDonald Hong Kong Limited)	Environmental Team Leader	Sunny Chan	2828 5962	2827 1823
	Deputy Environmental Team Leader	Henry Leung (till 4 Nov 2021)	2828 5876	2827 1823
		Ken Wong (from 5 Nov 2021)	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 Park Limited)	Assistant Contract Manager	Eric Chung	3552 5003	2845 9295
	Environmental Officer	Gary Yim	3552 5013	3552 5099
Hotel and Office Development				
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	Ian Ku	6099 9686	-
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 2021	November 2021	December 2021
KTSP		
• Rebar fixing; • Mobilization; • Concreting; • Excavation; and • Main Stadium truss delivery.	• Rebar fixing; • Mobilization and lifting; • Concreting; • Excavation; and • Main Stadium truss delivery.	• Rebar fixing; • Mobilization and lifting; • Concreting; • Excavation; and • Main Stadium truss delivery.
H/O Development		
• Excavation; and • Concreting.	• Excavation; and • Concreting.	• Excavation; and • Concreting.

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 are identified for impact monitoring. AMS1 and AMS2 were set up at the proposed locations for impact monitoring during the reporting period. AMS3, AMS4 and AMS5 are planned residential use and were currently not available for impact monitoring.

Table 2.2 describes the impact air quality monitoring stations and **Figure 2.1** shows their locations.

Table 2.2: Construction Dust Monitoring Locations

Monitoring Station	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
AMS3	Kai Tak Area 2B Site 4 (2B4) (residential use)	Planned Air Sensitive Receiver
AMS4	Kai Tak Area 1K Site 3 (1K3) (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 locations AMS1 and AMS2 were set up at the proposed locations for impact monitoring.

Permission on setting up and carrying out impact monitoring works at AMS3, AMS4 and AMS5 will be sought once each respective development is completed and occupied.

2.4 Action and Limit Levels for Air Quality Monitoring

The Action and Limit Levels for 1-hr TSP are provided in **Table 2.3**.

Table 2.3: Action and Limit Levels for 1-hour TSP

Monitoring Station	Action Level, µg/m^3	Limit Level, µg/m^3
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

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

Table 2.4: 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). L_{eq}, L_{10} and L_{90} would be recorded.	At least once per week

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. NMS1 and NMS2 were set up at the proposed locations for impact monitoring during the reporting period. NMS1A, NMS2A, NMS3, NMS4 and NMS5 are planned residential use and were currently not available for impact monitoring.

Table 2.5 describes the details of the monitoring stations and **Figure 2.2** shows the locations of noise monitoring stations.

Table 2.5: Construction Noise Monitoring Locations

Monitoring Station	Location Description	Status
NMS1	Hong Kong Society for the Blind Workshop, Roof Floor	Existing Noise Sensitive Receiver
NMS2	Sky Tower, Podium of Tower 7	Existing Noise Sensitive Receiver
NMS1A	Sung Wong Toi Road Public Housing Site	Planned Noise Sensitive Receiver
NMS2A	Sung Wong Toi Road CDA Site (mixed use)	Planned Noise Sensitive Receiver
NMS3	Kai Tak Area 2B Site 4 (2B4) (residential use)	Planned Noise Sensitive Receiver
NMS4	Kai Tak Area 1K Site 3 (1K3) (residential use)	Planned Noise Sensitive Receiver
NMS5	Kai Tak Area 1L Site 3 (1L3) (residential use)	Planned Noise Sensitive Receiver

Action and Limit Levels for Noise Monitoring

The Action and Limit Levels for construction noise are defined in **Table 2.6**

Table 2.6: Action and Limit Level for Construction Noise

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

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 2021	November 2021	December 2021
KTSP		
• Rebar fixing; • Mobilization; • Concreting; • Excavation; and • Main Stadium truss delivery.	• Rebar fixing; • Mobilization and lifting; • Concreting; • Excavation; and • Main Stadium truss delivery.	• Rebar fixing; • Mobilization and lifting; • Concreting; • Excavation; and • Main Stadium truss delivery.
H/O Development		
• Excavation; and • Concreting.	• Excavation; and • Concreting.	• Excavation; and • Concreting.

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	6, 15, 20, 26 Oct 2021 3, 10, 17, 23 Nov 2021 1, 8, 15, 22, 28 Dec 2021
Bi-weekly landscape and visual site inspections	Kai Tak Sports Park Project Site	6, 20 Oct 2021 3, 17 Nov 2021 8, 22 Dec 2021

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 and AMS2 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, $\mu g/m^3$	Min, $\mu g/m^3$	Max, $\mu g/m^3$	Action Level, $\mu g/m^3$	Limit Level, $\mu g/m^3$
AMS1	51	24	103	283	500
AMS2	50	25	99	280	500

There was no Action and Limit Level exceedance of 1-hr TSP level recorded at station AMS1 and AMS2 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

	Measured Noise Level $L_{eq\ (30\ mins)}$, dB(A)			
Monitoring Station	Average	Min	Max	Limit Level
NMS1	69	68	70	75
NMS2	69	67	71	75

No noise exceedances were recorded at stations NMS1 and NMS2 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 (m^3)	Actual Amount during Reporting Period (000kg)	Actual Amount during Reporting Period* (m^3)
Inert C&D materials (or public fills) to be disposed of	447,464	32,289	24,838
Non-inert C&D materials (or C&D waste) to be disposed of	68,110	6,849	8,561
Total C&D material of the Project	515,574	39,138	33,399

*Note:
Assumed Inert C&D waste density = 1,300 kg/m^3
Assumed Non-inert C&D waste density = 800 kg/m^3

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 and AMS2 during the reporting period.

Noise

Two noise related complaints were received during the reporting period. Two Action Levels for Noise were triggered during the reporting period.

No exceedance of Limit Level of noise at NMS1 and NMS2 was recorded during the reporting period.

Complaints

There were two complaints received in relation to the environmental impact during the reporting period. Summary of complaints during the reporting period is 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
1 Nov 2021	31 Oct 2021	- Complaint of noise nuisance arising from the truss delivery operation in nighttime affecting the residents of the Grand Waterfront. - Please ensure the works fulfill the relevant environmental legislation and conditions stipulated in the valid construction noise permit. - Please take necessary measures to minimize the environmental nuisance arising from the construction site.	1. Noise barrier not less than 2m had been provided on site between the truss delivery working area and the Grand Waterfront according to the CNP requirement. 2. Noise insulating fabric implemented on moving trailer during nighttime truss delivery work. 3.The truss delivery works have been scheduled in the daytime as much as practicable to minimise the noise nuisance at nighttime. 4.Advance notification of nighttime truss delivery work has been issued to nearby residential according to the CNP requirement. 5.Pre work briefing has been provided to ensure the compliance of CNP requirement to minimise potential noise nuisance during the truss delivery.	8 Nov 2021
19 Nov 2021	12 Nov 2021	- Complaint of noise nuisance arising from the truss delivery operation in late night on 12/11/2021. - Please ensure the works fulfill the relevant environmental legislation and conditions stipulated	1. Noise barrier not less than 2m had been provided on site between the truss delivery working area and nearby residential area according to the CNP requirement. 2. Noise insulating fabric implemented on moving	23 Nov 2021

Date of Notification from EPD	Date of Complaint	Description of Complaint	Recommendations / Actions	Close-Out Date / Status
		in the valid construction noise permit. - Please take necessary measures to minimize the environmental nuisance arising from the construction site.	trailer during nighttime truss delivery work. 3.The truss delivery works have been scheduled in the daytime as much as practicable to minimise the noise nuisance at nighttime. 4.Advance notification of nighttime truss delivery work has been issued to nearby residential according to the CNP requirement. 5.Pre work briefing has been provided to ensure the compliance of CNP requirement to minimise potential noise nuisance during the truss delivery.	

Detail of complaint investigation is shown in **Appendix L**.

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 **Appendix 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 2021

KTSP

- The contractor was reminded to provide water spraying to maintain wet surface.
- The contractor was reminded to clear the construction waste regularly.
- The contractor was reminded to display a new NRMM label for the generator.
- The contractor was reminded to provide drip tray for the chemical container on site.
- The contractor was reminded to provide covering for the stockpile on site.
- The container was reminded to clear the general refuse regularly.

H/O Development

- The contractor was reminded to fix the leakage at the site hoarding.
- The contractor was reminded to provided water spraying to maintain wet surface.
- The contractor was reminded to dispose of the general refuse properly.

November 2021

KTSP

- The contractor was reminded to provide drip tray for the chemical container.
- The contractor was reminded to provide water spraying to maintain wet surface.
- The contractor was reminded to provide covering for the stockpile on site.
- The contractor was reminded to clear the construction waste regularly.
- The contractor was reminded to keep the drip tray clear from construction materials.
- The contractor was reminded to display new NRMM label for the generator.

H/O Development

- The contractor was reminded to provide water spraying to maintain wet surface.
- The contractor was reminded to provide drip tray for the chemical containers.

December 2021

KTSP

- The contractor was reminded to clear the general refuse and properly dispose the general refuse in designated rubbish bin.
- The contractor was reminded to provide water spraying to maintain wet surface.
- The contractor was reminded to provide covering for the stockpile on site.
- The contractor was reminded to clear the cement from the drip tray.
- The contractor was reminded to provide new NRMM label for the generator.
- The contractor was reminded to provide drip trays for the chemical containers.
- The contractor was reminded to provide proper container for storage of diesel.
- The contractor was reminded to dispose of general refuse properly and separate from C&D waste.

H/O Development

- The contractor was reminded to clear the general refuse.
- The contractor was reminded to clear the drip trays regularly to prevent overflow.
- The contractor was reminded to provide drip trays for the chemical containers.

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 11th Quarterly EM&A Report for the Project summarises findings of the EM&A works during the reporting period from 1 October 2021 to 31 December 2021. (the “reporting period”).

Breaches of Action and Limit Levels

Air Quality

No Action and Limit Level exceedances of 1-hour TSP level was recorded during the reporting period.

Noise

Two noise related complaints were received during the reporting period. Two Action Levels for Noise were triggered during the reporting period.

No exceedance of Limit Level of noise at NMS1 and NMS2 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.

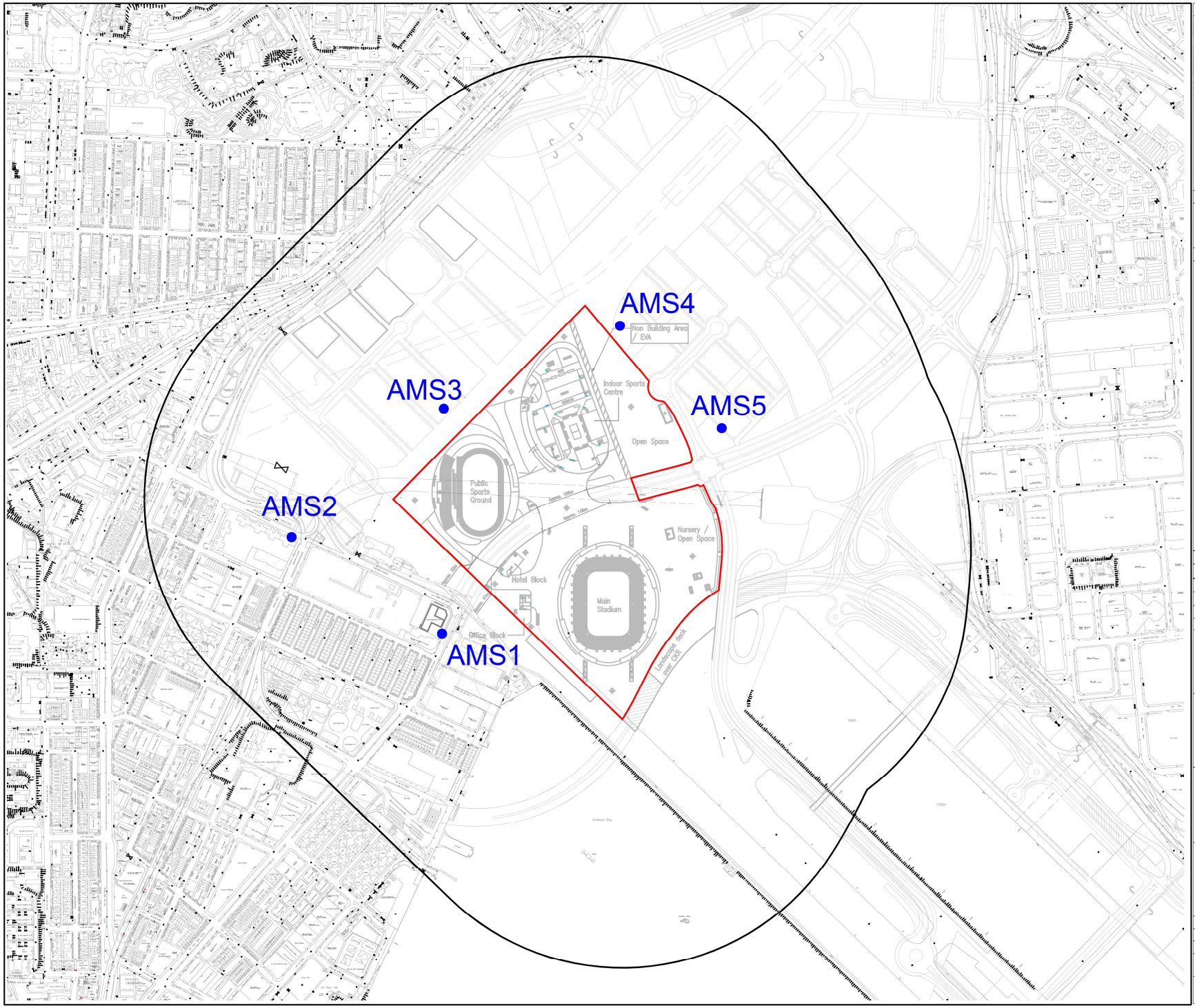
Complaints

There were two complaints received in relation to the environmental impact during the reporting period. Follow up actions have been taken and investigation reports were shown in **Appendix L.**

Notifications of Summons and Successful Prosecutions

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

Figures



Key Plan:

Notes:

1. ALL LEVELS ARE METRES TO PRINCIPAL DATUM (PD) UNLESS NOTED OTHERWISE.
2. ALL CO-ORDINATES REFER TO HONG KONG (1980) METRIC GRID CO-ORDINATES SYSTEM.
3. PIPE AND BOX CULVERT SIZES ARE SHOWN IN MILLIMETERS

Key to symbols:

LEGEND:

- Project Site
- 500m from Site Boundary
- AMS1 Air Monitoring Station 1

Rev	Date	Drawn	Description	Ch'k'd	App'd

MOTT MACDONALD
3/F Mapletree Bay Point
348 Kwun Tong Road
Kwun Tong, Kowloon
Hong Kong
T +852 2828 5757
F +852 2827 1823
W mottmac.com

Client

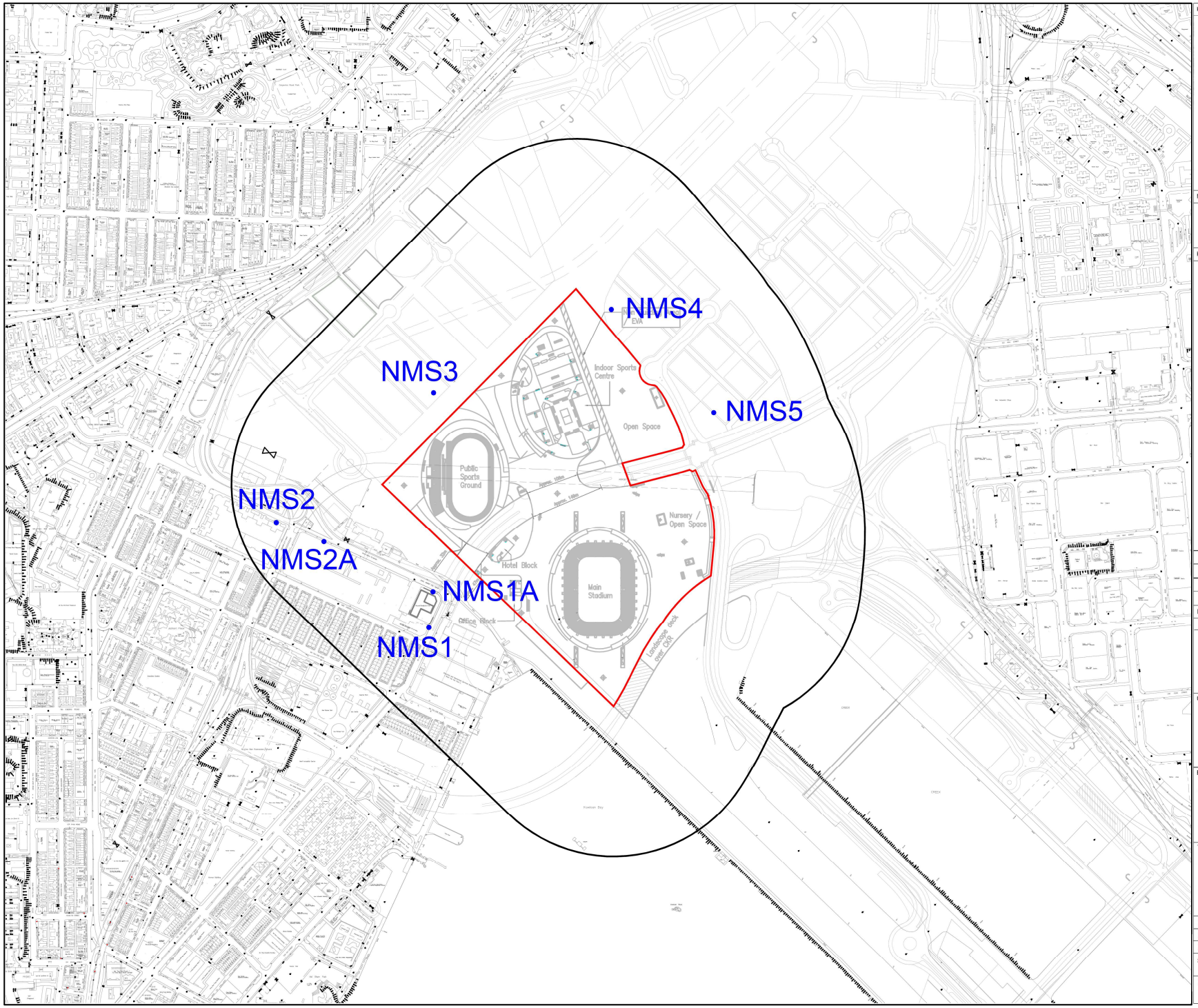
Project

Title

Figure 2.1
Location of Air Quality Monitoring Stations

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

Drawing Number



Key Plan:

Notes:

1. ALL LEVELS ARE METRES TO PRINCIPAL DATUM (PD) UNLESS NOTED OTHERWISE.
2. ALL CO-ORDINATES REFER TO HONG KONG 1980 METRIC GRID CO-ORDINATES SYSTEM.
3. PIPE AND BOX CULVERT SIZES ARE SHOWN IN MILLIMETERS

Key to symbols:

LEGEND:

Project Site

300m from Site Boundary

NMS1 Construction Noise Monitoring Station 1

Rev	Date	Drawn	Description	Ch'k'd	App'd

MOTT MACDONALD

3/F Mapletree Bay Point
348 Kwun Tong Road
Kwun Tong, Kowloon
Hong Kong
T +852 2828 5757
F +852 2827 1823
W mottmac.com

Client

Project

Title

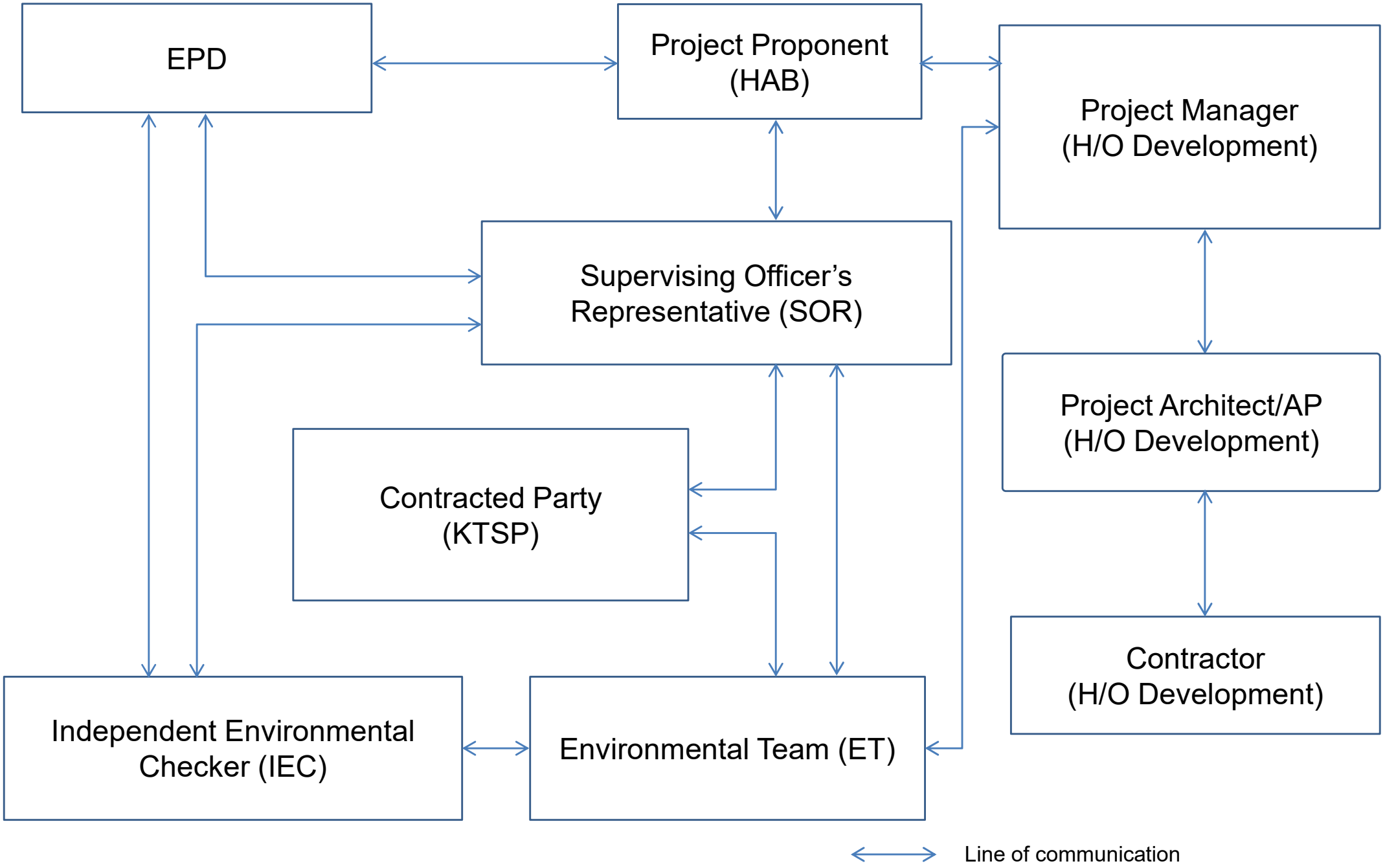
Figure 2.2
Location of Noise Monitoring Stations

Designed			Eng check		
Drawn			Coordination		
Dwg check			Approved		
Scale at A3		Status		Rev	

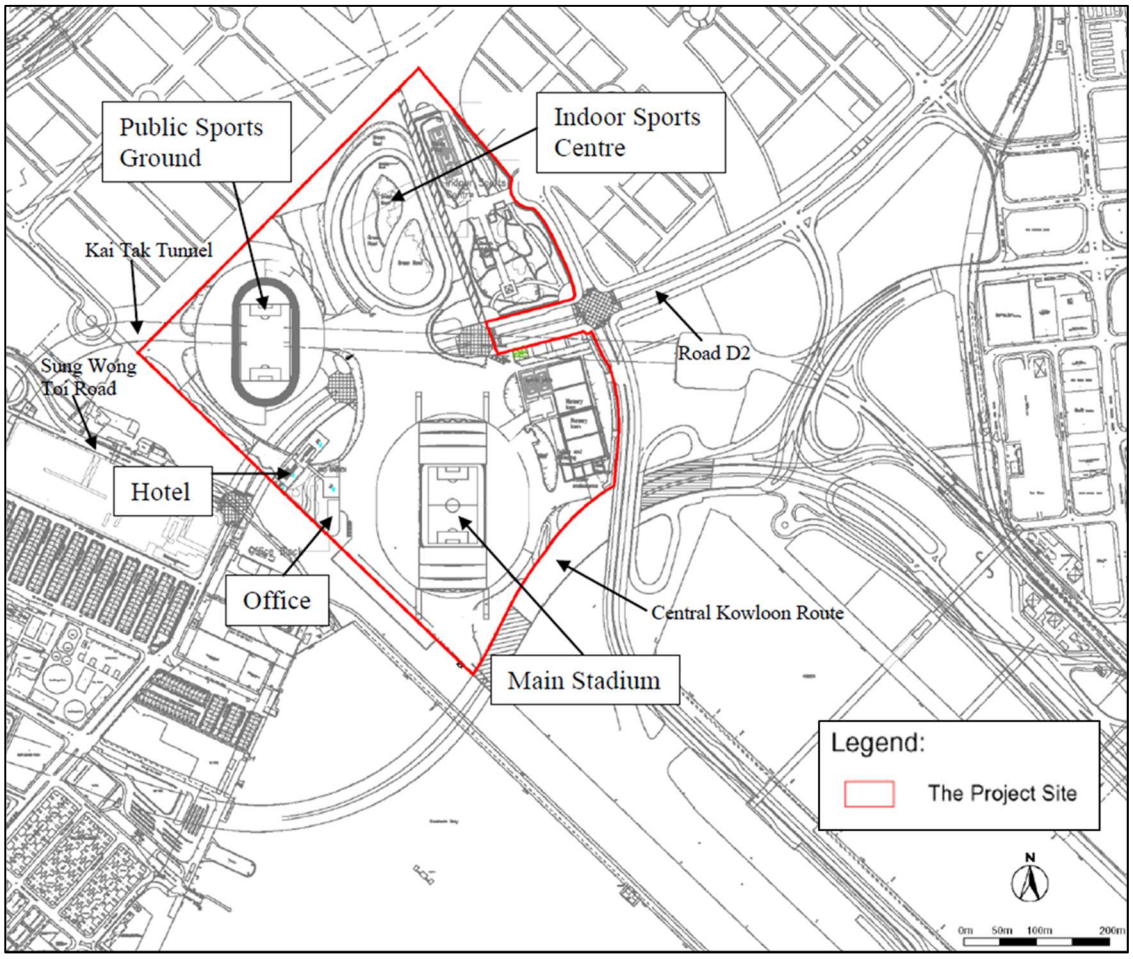
Drawing Number

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 2021 to Jan 2022)

Kai Tak Sports Park

	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Plants Mobilization												
C&D Waste Disposal (By vessel)												
Rebar Fixing												
Loading/ Unloading of Materials												
Excavation												
C&D Waste Disposal												
Concreting												
Lifting												
C&D Materials Internal Transportation												
Main Stadium Truss Delivery												

Hotel and Office Development

	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Loading/Unloading of Materials												
Excavation												
Concreting												
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	Contracted Party
Action Level				
Exceedance for one sample	1. Inform IEC, SOR and Contracted Party; 2. Identify source, investigate the causes of exceedance and propose remedial measures; 3. Repeat measurement to confirm finding.	1. Check monitoring data submitted by ET; 2. Check Contracted Party's working method.	1. Notify Contracted Party.	1. Rectify any unacceptable practice; 2. 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	ET	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

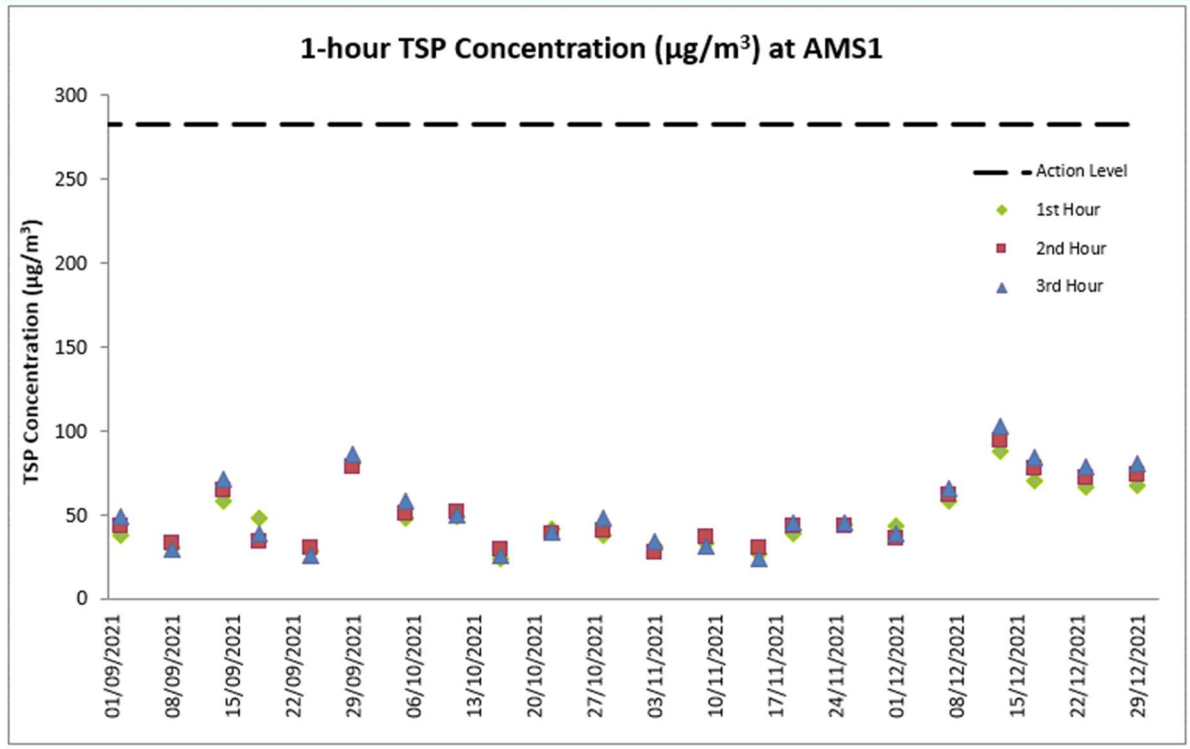
Event	Action			
	ET	IEC	ET	Contracted Party
Action Level	1. Notify IEC, SOR and Contracted Party of exceedance; 2. Identify source; 3. Investigate the causes of exceedance and propose remedial measures; 4. Report the results of investigation to the IEC, SOR and Contracted Party; 5. Discuss with the IEC, 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	1. Submit noise mitigation proposals to SOR with copy to ET and IEC; 2. 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

Date	Start Time	Finish Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hour TSP ($\mu g/m^3$)
5-Oct-21	9:06	10:06	Sunny	4.7	65	48
5-Oct-21	10:06	11:06	Sunny	4.4	53	51
5-Oct-21	11:06	12:06	Sunny	4.7	49	59
11-Oct-21	10:01	11:01	Sunny	3.9	337	49
11-Oct-21	11:01	12:01	Sunny	5.8	347	52
11-Oct-21	12:01	13:01	Sunny	4.2	variable	50
16-Oct-21	9:05	10:05	Sunny	1.1	323	24
16-Oct-21	10:05	11:05	Sunny	1.7	34	30
16-Oct-21	11:05	12:05	Sunny	1.7	356	26
22-Oct-21	9:25	10:25	Cloudy	3.9	297	42
22-Oct-21	10:25	11:25	Cloudy	3.6	300	39
22-Oct-21	11:25	12:25	Cloudy	3.9	297	40
28-Oct-21	9:05	10:05	Fine	3.3	87	38
28-Oct-21	10:05	11:05	Fine	4.4	102	41
28-Oct-21	11:05	12:05	Fine	4.7	100	48
3-Nov-21	9:08	10:08	Fine	4.7	93	32
3-Nov-21	10:08	11:08	Fine	3.3	109	28
3-Nov-21	11:08	12:08	Fine	4.7	84	35
9-Nov-21	9:07	10:07	Cloudy	1.4	325	34
9-Nov-21	10:07	11:07	Cloudy	1.4	242	37
9-Nov-21	11:07	12:07	Cloudy	1.1	192	32
15-Nov-21	9:15	10:15	Sunny	4.4	96	27
15-Nov-21	10:15	11:15	Sunny	3.9	105	31
15-Nov-21	11:15	12:15	Sunny	2.2	94	24
19-Nov-21	9:06	10:06	Cloudy	3.1	85	39
19-Nov-21	10:06	11:06	Cloudy	3.3	95	44
19-Nov-21	11:06	12:06	Cloudy	2.8	108	46
25-Nov-21	10:00	11:00	Fine	1.4	287	45
25-Nov-21	11:00	12:00	Fine	1.1	214	44
25-Nov-21	12:00	13:00	Fine	1.7	215	46
1-Dec-21	9:16	10:16	Sunny	3.9	40	44
1-Dec-21	10:16	11:16	Sunny	1.7	variable	36
1-Dec-21	11:16	12:16	Sunny	2.8	320	39
7-Dec-21	9:06	10:06	Sunny	2.8	44	59
7-Dec-21	10:06	11:06	Sunny	3.3	31	62
7-Dec-21	11:06	12:06	Sunny	3.3	63	66
13-Dec-21	9:55	10:55	Fine	2.2	325	88
13-Dec-21	10:55	11:55	Fine	1.7	variable	95
13-Dec-21	11:55	12:55	Fine	3.3	90	103
17-Dec-21	9:06	10:06	Cloudy	1.9	24	71
17-Dec-21	10:06	11:06	Cloudy	2.5	40	78
17-Dec-21	11:06	12:06	Cloudy	1.7	18	85
23-Dec-21	9:06	10:06	Cloudy	3.9	101	67
23-Dec-21	10:06	11:06	Cloudy	4.4	103	73
23-Dec-21	11:06	12:06	Cloudy	3.9	93	79
29-Dec-21	9:10	10:10	Cloudy	2.5	335	68
29-Dec-21	10:10	11:10	Cloudy	4.7	22	74
29-Dec-21	11:10	12:10	Cloudy	1.4	variable	81

Graphical Presentation for 1-hour TSP Monitoring at AMS1



Kai Tak Sports Park

	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Plants Mobilization												
C&D Waste Disposal (By vessel)												
Rebar Fixing												
Loading/ Unloading of Materials												
Excavation												
C&D Waste Disposal												
Concreting												
Lifting												
C&D Materials Internal Transportation												
Main Stadium Truss Delivery												
Pre-cast Delivery												

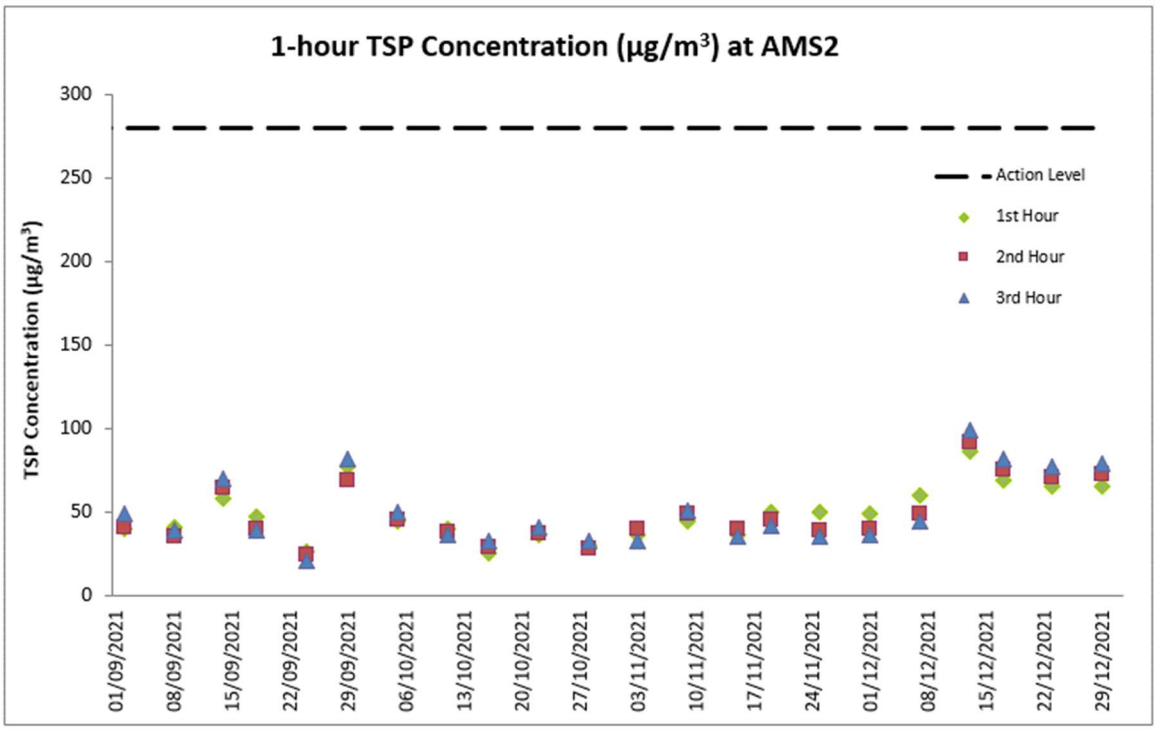
Hotel and Office Development

	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Loading/Unloading of Materials												
Excavation												
Concreting												
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 ($\mu g/m^3$)
5-Oct-21	8:18	9:18	Sunny	4.7	92	44
5-Oct-21	9:18	10:18	Sunny	5.0	65	45
5-Oct-21	10:18	11:18	Sunny	4.2	79	50
11-Oct-21	9:07	10:07	Sunny	5.3	357	40
11-Oct-21	10:07	11:07	Sunny	4.7	343	38
11-Oct-21	11:07	12:07	Sunny	6.1	346	36
16-Oct-21	8:45	9:45	Sunny	0.3	314	25
16-Oct-21	9:45	10:45	Sunny	2.5	39	29
16-Oct-21	10:45	11:45	Sunny	3.3	336	33
22-Oct-21	8:40	9:40	Cloudy	2.2	326	36
22-Oct-21	9:40	10:40	Cloudy	4.2	310	37
22-Oct-21	10:40	11:40	Cloudy	3.9	296	41
28-Oct-21	8:17	9:17	Fine	3.3	115	30
28-Oct-21	9:17	10:17	Fine	3.3	104	28
28-Oct-21	10:17	11:17	Fine	5.0	100	33
3-Nov-21	8:23	9:23	Fine	5.3	100	36
3-Nov-21	9:23	10:23	Fine	5.3	101	40
3-Nov-21	10:23	11:23	Fine	5.3	108	33
9-Nov-21	9:07	10:07	Cloudy	1.4	325	44
9-Nov-21	10:07	11:07	Cloudy	1.4	242	49
9-Nov-21	11:07	12:07	Cloudy	1.1	192	51
15-Nov-21	8:27	9:27	Sunny	2.2	2	36
15-Nov-21	9:27	10:27	Sunny	4.7	102	40
15-Nov-21	10:27	11:27	Sunny	3.3	37	35
19-Nov-21	8:40	9:40	Sunny	3.1	97	50
19-Nov-21	9:40	10:40	Sunny	3.3	106	45
19-Nov-21	10:40	11:40	Sunny	3.1	81	42
25-Nov-21	9:04	10:04	Fine	1.1	246	50
25-Nov-21	10:04	11:04	Fine	0.8	variable	39
25-Nov-21	11:04	12:04	Fine	1.1	220	35
1-Dec-21	8:25	9:25	Sunny	2.5	335	49
1-Dec-21	9:25	10:25	Sunny	4.7	22	40
1-Dec-21	10:25	11:25	Sunny	1.4	variable	36
7-Dec-21	8:18	9:18	Sunny	3.3	294	60
7-Dec-21	9:18	10:18	Sunny	1.4	variable	49
7-Dec-21	10:18	11:18	Sunny	3.1	40	44
13-Dec-21	9:06	10:06	Fine	1.7	288	86
13-Dec-21	10:06	11:06	Fine	2.8	29	92
13-Dec-21	11:06	12:06	Fine	1.7	341	99
17-Dec-21	8:40	9:40	Cloudy	2.8	1	69
17-Dec-21	9:40	10:40	Cloudy	2.2	3	75
17-Dec-21	10:40	11:40	Cloudy	3.1	22	82
23-Dec-21	8:18	9:18	Cloudy	3.6	92	65
23-Dec-21	9:18	10:18	Cloudy	5.3	96	71
23-Dec-21	10:18	11:18	Cloudy	5.0	80	77
29-Dec-21	8:22	9:22	Cloudy	0.0	variable	65
29-Dec-21	9:22	10:22	Cloudy	0.3	260	73
29-Dec-21	10:22	11:22	Cloudy	1.1	111	79

Graphical Presentation for 1-hour TSP Monitoring at AMS2



Kai Tak Sports Park

	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Plants Mobilization												
C&D Waste Disposal (By vessel)												
Rebar Fixing												
Loading/ Unloading of Materials												
Excavation												
C&D Waste Disposal												
Concreting												
Lifting												
C&D Materials Internal Transportation												
Main Stadium Truss Delivery												
Pre-cast Delivery												

Hotel and Office Development

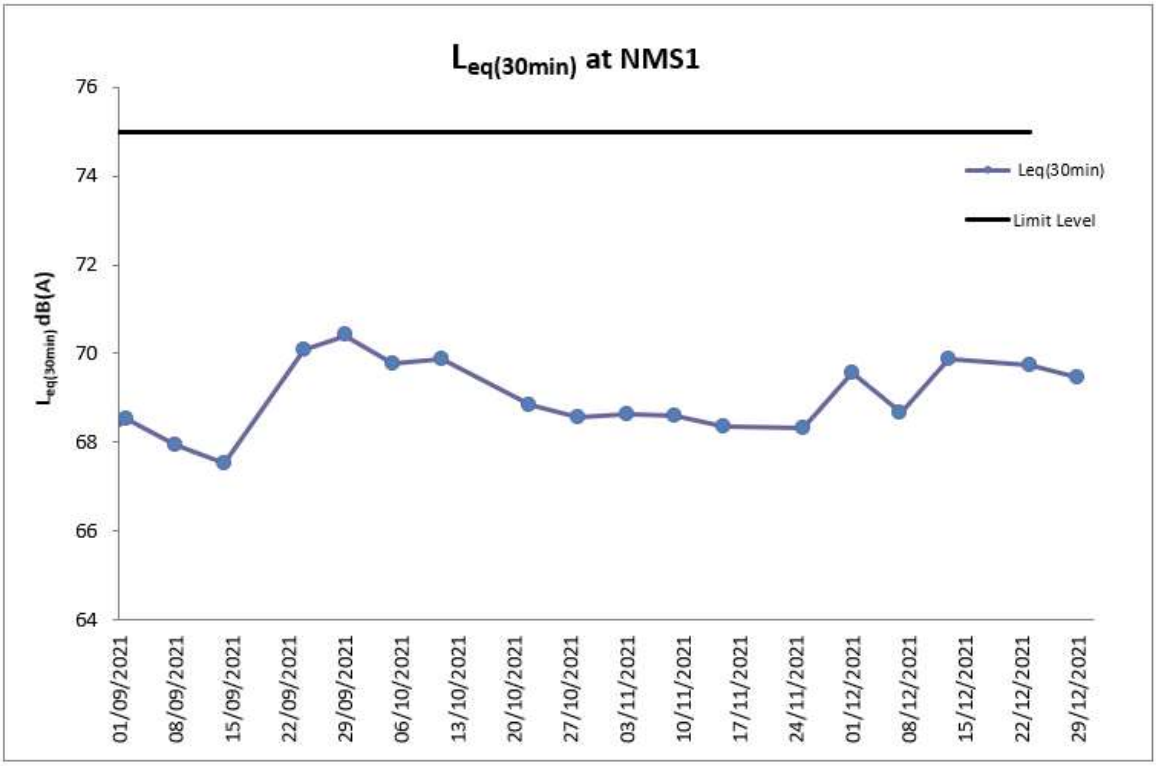
	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Loading/Unloading of Materials												
Excavation												
Concreting												
C&D Waste Disposal												

Data for Noise Monitoring at Station NMS1

Date	Time	Weather	$L_{eq(5min)}$	L_{10}	L_{90}	Measured $L_{eq(30min)}$
5-Oct-21	9:08	Fine	69.6	71.0	67.4	69.8
5-Oct-21	9:13	Fine	69.1	71.2	67.6	
5-Oct-21	9:18	Fine	70.1	72.3	68.5	
5-Oct-21	9:23	Fine	70.4	72.6	68.5	
5-Oct-21	9:28	Fine	69.5	71.7	67.2	
5-Oct-21	9:33	Fine	69.8	71.7	67.9	
11-Oct-21	9:59	Sunny	69.1	72.3	64.3	69.9
11-Oct-21	10:04	Sunny	69.3	72.1	64.8	
11-Oct-21	10:09	Sunny	69.7	72.8	64.8	
11-Oct-21	10:14	Sunny	71.2	72.0	64.0	
11-Oct-21	10:19	Sunny	69.7	73.2	63.0	
11-Oct-21	10:24	Sunny	70.0	73.2	63.8	
22-Oct-21	9:27	Cloudy	68.2	70.7	66.7	68.8
22-Oct-21	9:32	Cloudy	67.6	69.0	65.5	
22-Oct-21	9:37	Cloudy	68.6	70.1	66.4	
22-Oct-21	9:42	Cloudy	69.2	71.5	67.6	
22-Oct-21	9:47	Cloudy	69.2	71.3	67.1	
22-Oct-21	9:52	Cloudy	69.8	71.6	67.9	
28-Oct-21	9:07	Fine	68.0	70.1	66.7	68.6
28-Oct-21	9:12	Fine	69.6	71.4	67.2	
28-Oct-21	9:17	Fine	67.3	69.4	65.2	
28-Oct-21	9:22	Fine	67.5	69.1	65.9	
28-Oct-21	9:27	Fine	68.5	70.7	66.6	
28-Oct-21	9:32	Fine	69.9	71.6	67.2	
3-Nov-21	9:10	Fine	69.9	71.0	67.7	68.6
3-Nov-21	9:15	Fine	68.1	70.2	66.4	
3-Nov-21	9:20	Fine	68.3	70.5	66.8	
3-Nov-21	9:25	Fine	67.2	69.4	65.7	
3-Nov-21	9:30	Fine	69.5	71.6	67.4	
3-Nov-21	9:35	Fine	68.2	70.7	66.6	
9-Nov-21	9:09	Cloudy	68.2	70.8	66.0	68.6
9-Nov-21	9:14	Cloudy	69.1	71.7	67.5	
9-Nov-21	9:19	Cloudy	69.1	71.2	67.7	
9-Nov-21	9:24	Cloudy	68.3	70.6	66.4	
9-Nov-21	9:29	Cloudy	68.2	70.5	66.9	
9-Nov-21	9:34	Cloudy	68.6	71.4	67.6	
15-Nov-21	9:07	Sunny	67.9	69.0	65.7	68.4
15-Nov-21	9:12	Sunny	68.1	70.6	66.2	
15-Nov-21	9:17	Sunny	68.1	70.3	66.8	
15-Nov-21	9:22	Sunny	67.4	69.2	65.5	
15-Nov-21	9:27	Sunny	68.7	70.6	66.5	
15-Nov-21	9:32	Sunny	69.6	71.7	67.8	
25-Nov-21	9:57	Fine	68.2	71.3	63.2	68.3
25-Nov-21	10:02	Fine	69.4	72.5	64.5	
25-Nov-21	10:07	Fine	68.8	71.4	64.9	
25-Nov-21	10:12	Fine	68.8	72.1	64.7	
25-Nov-21	10:17	Fine	66.8	69.8	64.9	
25-Nov-21	10:22	Fine	67.5	70.3	64.6	

Date	Time	Weather	$L_{eq(5min)}$	L_{10}	L_{90}	Measured $L_{eq(30min)}$
1-Dec-21	9:18	Sunny	68.0	70.8	66.0	69.6
1-Dec-21	9:23	Sunny	69.6	71.7	67.9	
1-Dec-21	9:28	Sunny	69.4	71.1	67.2	
1-Dec-21	9:33	Sunny	70.2	72.4	68.1	
1-Dec-21	9:38	Sunny	70.3	72.4	68.5	
1-Dec-21	9:43	Sunny	69.5	71.6	67.3	
7-Dec-21	9:08	Sunny	67.9	69.2	65.6	68.7
7-Dec-21	9:13	Sunny	68.8	70.0	66.7	
7-Dec-21	9:18	Sunny	68.1	70.2	66.9	
7-Dec-21	9:23	Sunny	69.2	71.0	67.4	
7-Dec-21	9:28	Sunny	68.3	70.4	66.1	
7-Dec-21	9:33	Sunny	69.5	71.6	67.3	
13-Dec-21	9:58	Fine	70.9	74.5	65.0	69.9
13-Dec-21	10:03	Fine	69.9	73.3	64.1	
13-Dec-21	10:08	Fine	69.9	72.3	65.4	
13-Dec-21	10:13	Fine	70.0	72.9	65.5	
13-Dec-21	10:18	Fine	69.1	71.9	64.9	
13-Dec-21	10:23	Fine	69.3	72.1	64.0	
23-Dec-21	9:08	Cloudy	69.9	71.0	66.2	69.7
23-Dec-21	9:13	Cloudy	68.1	70.8	65.7	
23-Dec-21	9:18	Cloudy	70.4	72.2	67.1	
23-Dec-21	9:23	Cloudy	70.3	72.4	67.5	
23-Dec-21	9:28	Cloudy	69.6	71.5	66.4	
23-Dec-21	9:33	Cloudy	69.7	71.2	66.6	
29-Dec-21	9:12	Cloudy	69.2	71.8	66.4	69.5
29-Dec-21	9:17	Cloudy	68.7	70.6	65.5	
29-Dec-21	9:22	Cloudy	70.9	72.4	66.5	
29-Dec-21	9:27	Cloudy	68.7	70.2	65.3	
29-Dec-21	9:32	Cloudy	69.2	71.4	66.0	
29-Dec-21	9:37	Cloudy	69.6	71.1	66.7	

Graphical Presentation for Noise Monitoring at NMS1



Kai Tak Sports Park

	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Plants Mobilization												
C&D Waste Disposal (By vessel)												
Rebar Fixing												
Loading/ Unloading of Materials												
Excavation												
C&D Waste Disposal												
Concreting												
Lifting												
C&D Materials Internal Transportation												
Main Stadium Truss Delivery												
Pre-cast Delivery												

Hotel and Office Development

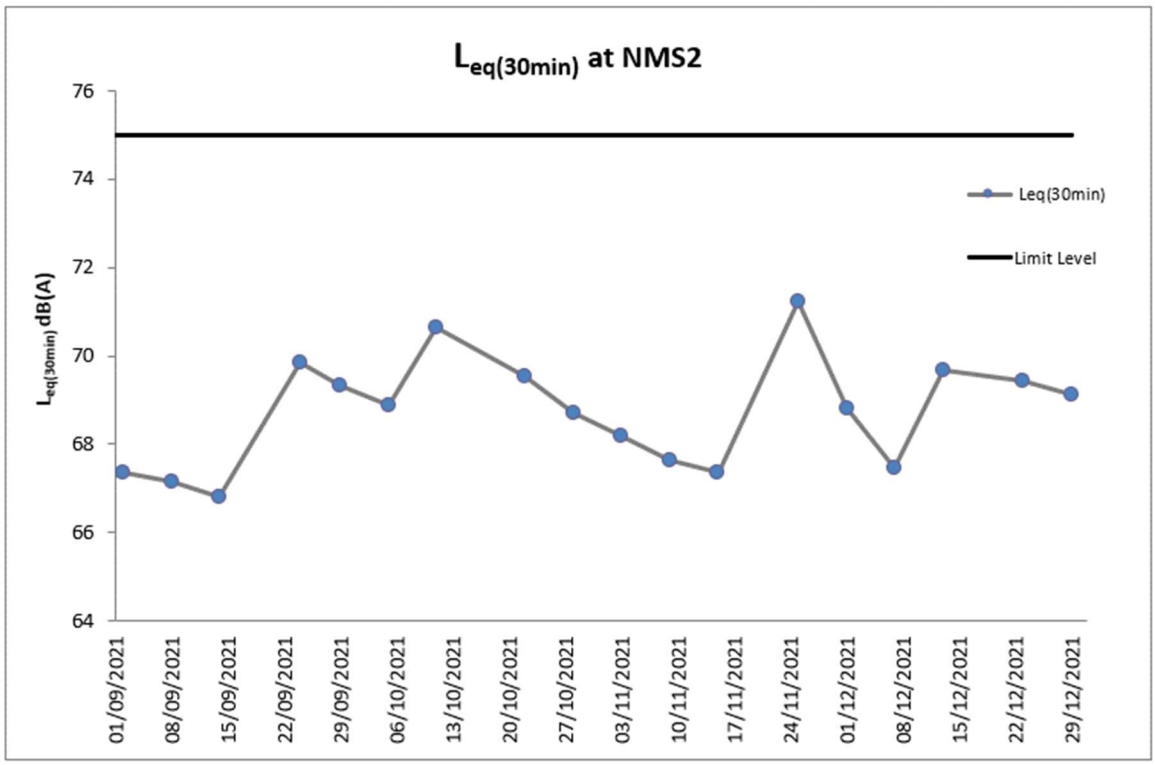
	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Loading/Unloading of Materials												
Excavation												
Concreting												
C&D Waste Disposal												

Data for Noise Monitoring at Station NMS2

Date	Time	Weather	$L_{eq(5min)}$	L_{10}	L_{90}	Measured $L_{eq(30min)}$
5-Oct-21	8:21	Sunny	68.0	70.2	66.5	68.9
5-Oct-21	8:26	Sunny	69.4	71.1	67.9	
5-Oct-21	8:31	Sunny	69.2	71.6	67.4	
5-Oct-21	8:36	Sunny	68.5	70.3	66.8	
5-Oct-21	8:41	Sunny	68.3	70.6	66.9	
5-Oct-21	8:46	Sunny	69.7	71.5	67.2	
11-Oct-21	9:09	Sunny	70.3	72.6	67.5	70.6
11-Oct-21	9:14	Sunny	71.5	73.5	67.3	
11-Oct-21	9:19	Sunny	70.7	72.9	66.7	
11-Oct-21	9:24	Sunny	69.9	72.6	66.3	
11-Oct-21	9:29	Sunny	71.4	74.0	67.1	
11-Oct-21	9:34	Sunny	69.6	71.6	66.7	
22-Oct-21	8:43	Cloudy	69.1	71.0	67.8	69.5
22-Oct-21	8:48	Cloudy	70.1	72.9	68.7	
22-Oct-21	8:53	Cloudy	68.1	70.2	66.6	
22-Oct-21	8:58	Cloudy	69.3	71.4	67.6	
22-Oct-21	9:03	Cloudy	70.5	72.4	68.4	
22-Oct-21	9:08	Cloudy	69.7	72.2	68.6	
28-Oct-21	8:20	Fine	68.1	70.6	65.0	68.7
28-Oct-21	8:25	Fine	67.2	69.1	64.4	
28-Oct-21	8:30	Fine	67.2	69.3	64.4	
28-Oct-21	8:35	Fine	69.4	71.5	66.6	
28-Oct-21	8:40	Fine	69.6	71.5	66.7	
28-Oct-21	8:45	Fine	69.9	71.8	66.7	
3-Nov-21	8:25	Fine	67.0	69.3	65.5	68.2
3-Nov-21	8:30	Fine	68.4	70.1	66.6	
3-Nov-21	8:35	Fine	67.2	69.2	65.7	
3-Nov-21	8:40	Fine	69.1	71.3	67.6	
3-Nov-21	8:45	Fine	68.4	70.5	66.8	
3-Nov-21	8:50	Fine	68.7	70.6	66.9	
9-Nov-21	8:22	Cloudy	68.6	70.4	65.2	67.6
9-Nov-21	8:27	Cloudy	67.5	69.2	64.3	
9-Nov-21	8:32	Cloudy	67.1	69.6	64.8	
9-Nov-21	8:37	Cloudy	66.7	68.1	65.5	
9-Nov-21	8:42	Cloudy	68.0	70.2	66.1	
9-Nov-21	8:47	Cloudy	67.6	68.8	64.9	
15-Nov-21	8:30	Sunny	67.2	69.0	65.4	67.3
15-Nov-21	8:35	Sunny	67.1	69.2	65.3	
15-Nov-21	8:40	Sunny	66.1	68.3	64.4	
15-Nov-21	8:45	Sunny	68.6	70.5	66.8	
15-Nov-21	8:50	Sunny	67.6	69.7	65.2	
15-Nov-21	8:55	Sunny	67.1	69.9	65.7	
25-Nov-21	9:07	Fine	72.7	76.8	66.5	71.2
25-Nov-21	9:12	Fine	70.6	72.5	65.7	
25-Nov-21	9:17	Fine	70.8	73.4	65.2	
25-Nov-21	9:22	Fine	70.3	72.6	66.4	
25-Nov-21	9:27	Fine	70.4	73.1	65.1	
25-Nov-21	9:32	Fine	72.0	74.0	65.6	

Date	Time	Weather	$L_{eq(5min)}$	L_{10}	L_{90}	Measured $L_{eq(30min)}$
1-Dec-21	8:28	Sunny	67.5	69.4	65.0	68.8
1-Dec-21	8:33	Sunny	68.6	70.1	66.8	
1-Dec-21	8:38	Sunny	69.2	71.3	67.1	
1-Dec-21	8:43	Sunny	69.0	71.4	67.5	
1-Dec-21	8:48	Sunny	68.6	70.7	66.8	
1-Dec-21	8:53	Sunny	69.6	71.9	67.5	
7-Dec-21	8:22	Sunny	67.2	69.0	65.4	67.5
7-Dec-21	8:27	Sunny	66.1	68.2	64.6	
7-Dec-21	8:32	Sunny	66.7	68.3	64.1	
7-Dec-21	8:37	Sunny	67.4	69.3	65.5	
7-Dec-21	8:42	Sunny	68.8	70.7	66.4	
7-Dec-21	8:47	Sunny	68.0	70.7	66.9	
13-Dec-21	9:08	Fine	69.3	71.4	66.4	69.7
13-Dec-21	9:13	Fine	69.7	72.2	65.5	
13-Dec-21	9:18	Fine	69.7	72.6	65.4	
13-Dec-21	9:23	Fine	70.4	72.6	67.2	
13-Dec-21	9:28	Fine	69.4	71.7	65.7	
13-Dec-21	9:33	Fine	69.5	71.5	66.6	
23-Dec-21	8:21	Cloudy	68.7	70.8	65.0	69.4
23-Dec-21	8:26	Cloudy	69.9	71.1	66.2	
23-Dec-21	8:31	Cloudy	68.2	70.3	65.1	
23-Dec-21	8:36	Cloudy	69.4	71.5	66.6	
23-Dec-21	8:41	Cloudy	70.4	72.5	67.6	
23-Dec-21	8:46	Cloudy	69.6	71.6	66.2	
29-Dec-21	8:25	Cloudy	67.9	69.8	64.2	69.1
29-Dec-21	8:30	Cloudy	68.7	70.1	65.4	
29-Dec-21	8:35	Cloudy	68.6	70.5	65.3	
29-Dec-21	8:40	Cloudy	69.3	71.4	66.1	
29-Dec-21	8:45	Cloudy	69.6	71.0	66.4	
29-Dec-21	8:50	Cloudy	70.2	72.1	66.9	

Graphical Presentation for Noise Monitoring at NMS2



Kai Tak Sports Park

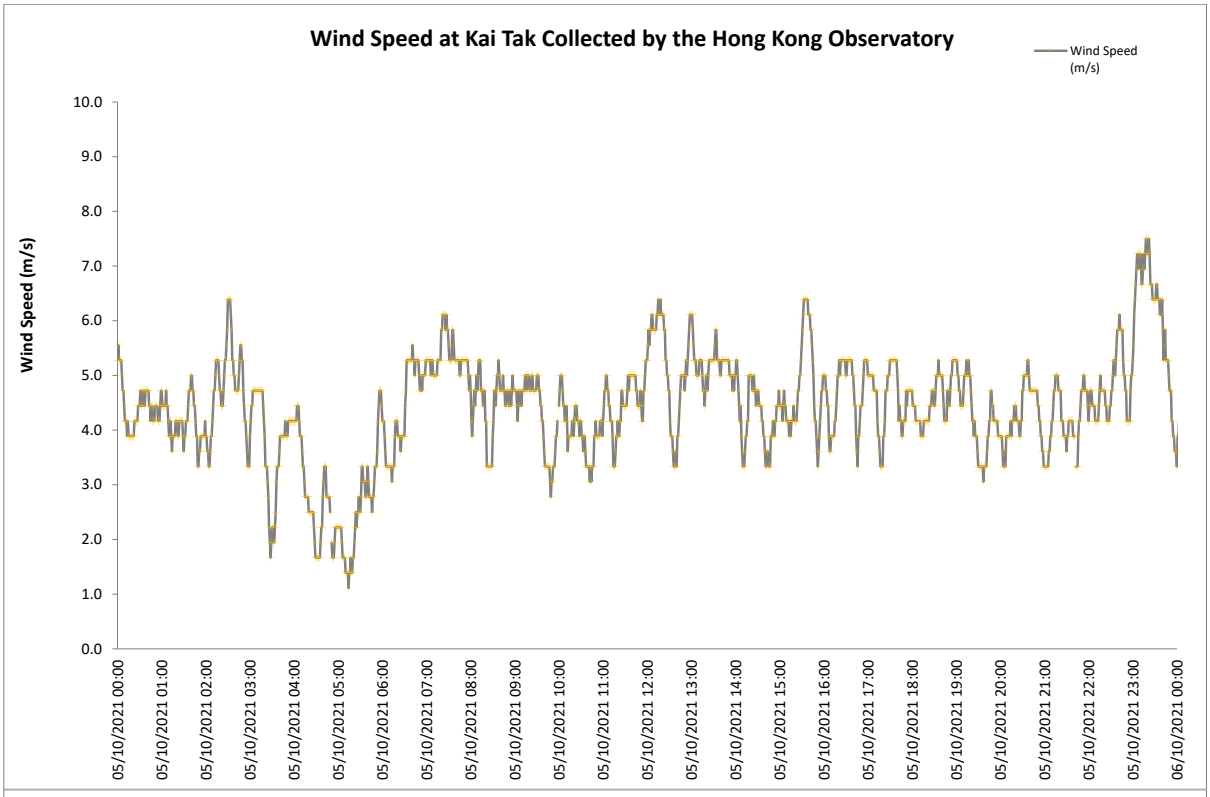
	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Plants Mobilization												
C&D Waste Disposal (By vessel)												
Rebar Fixing												
Loading/ Unloading of Materials												
Excavation												
C&D Waste Disposal												
Concreting												
Lifting												
C&D Materials Internal Transportation												
Main Stadium Truss Delivery												
Pre-cast Delivery												

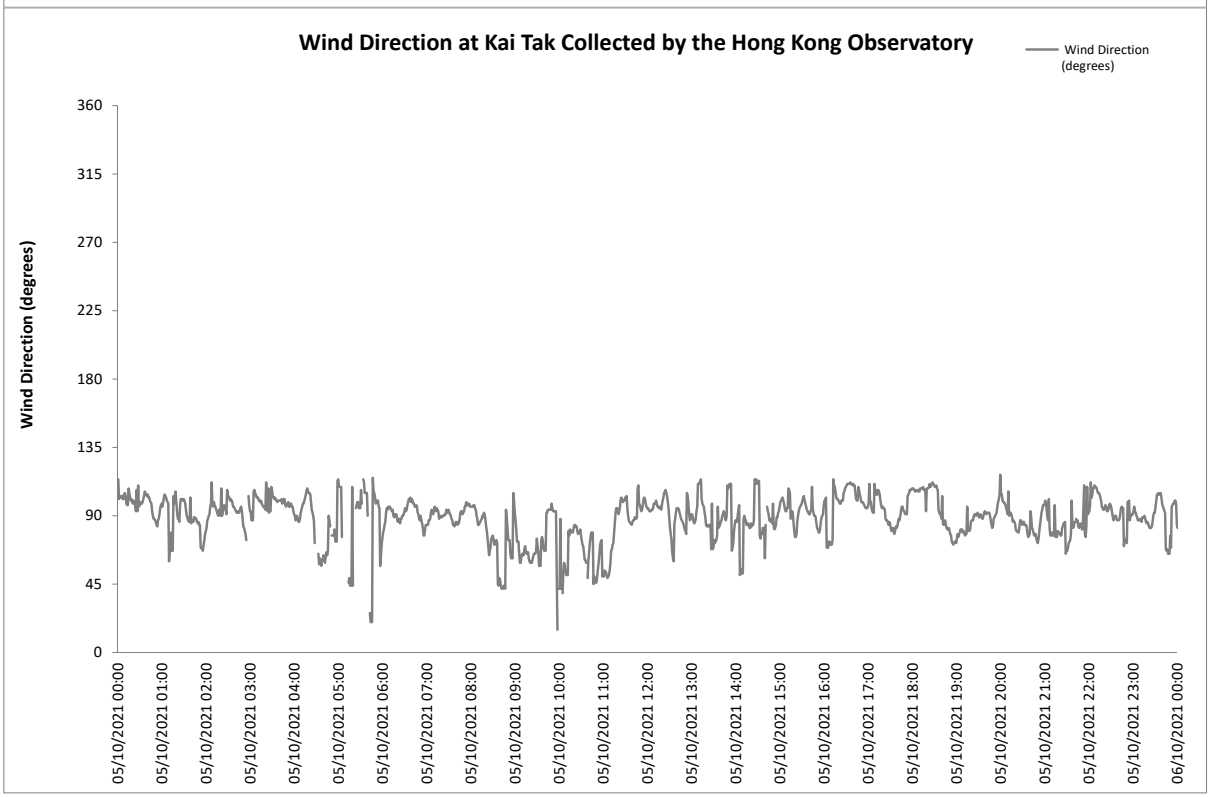
Hotel and Office Development

	2021						2022					
Construction Activities	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Loading/Unloading of Materials												
Excavation												
Concreting												
C&D Waste Disposal												

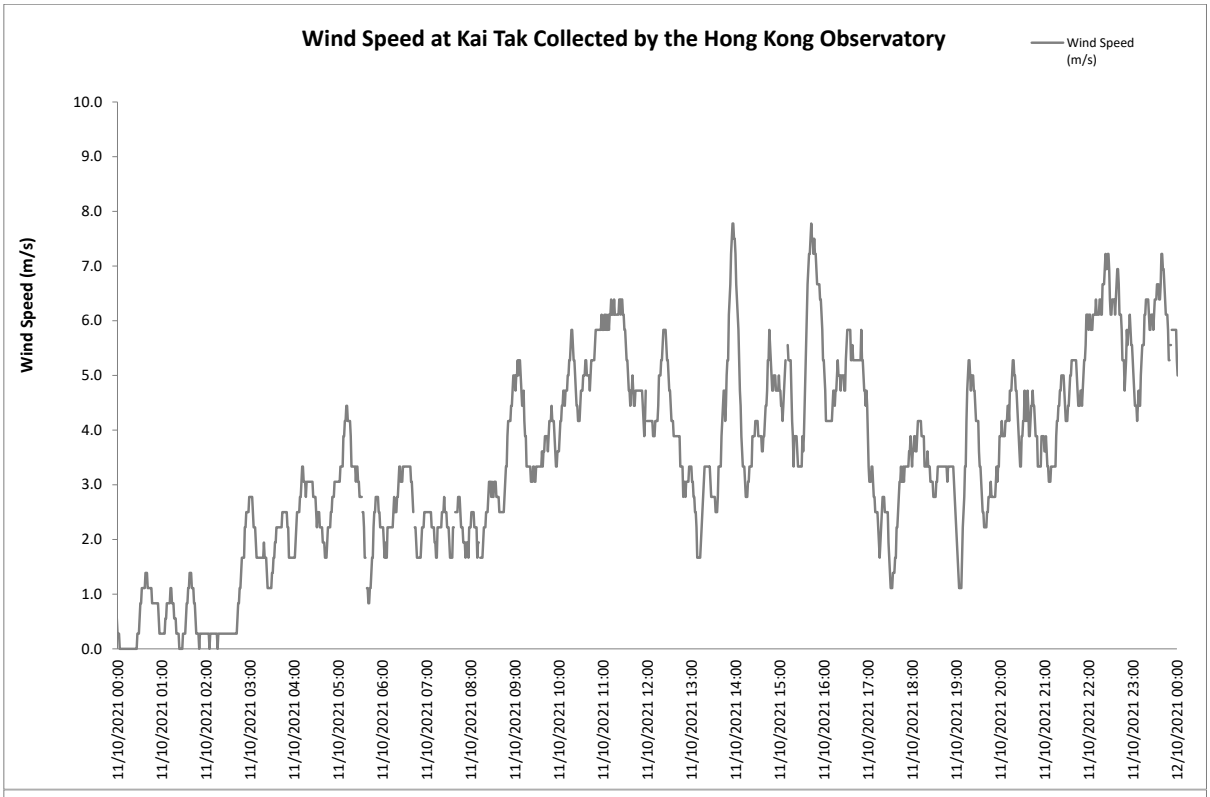
Appendix F. Wind Data

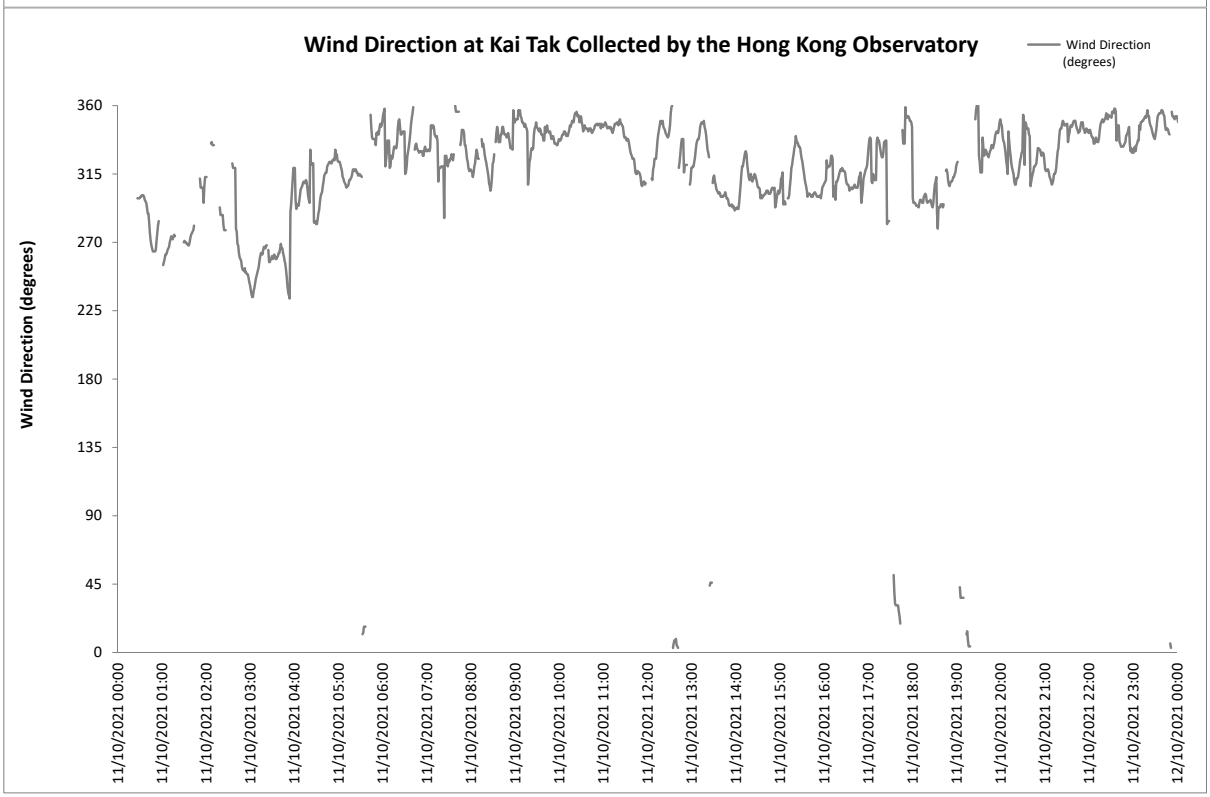
5 October 2021



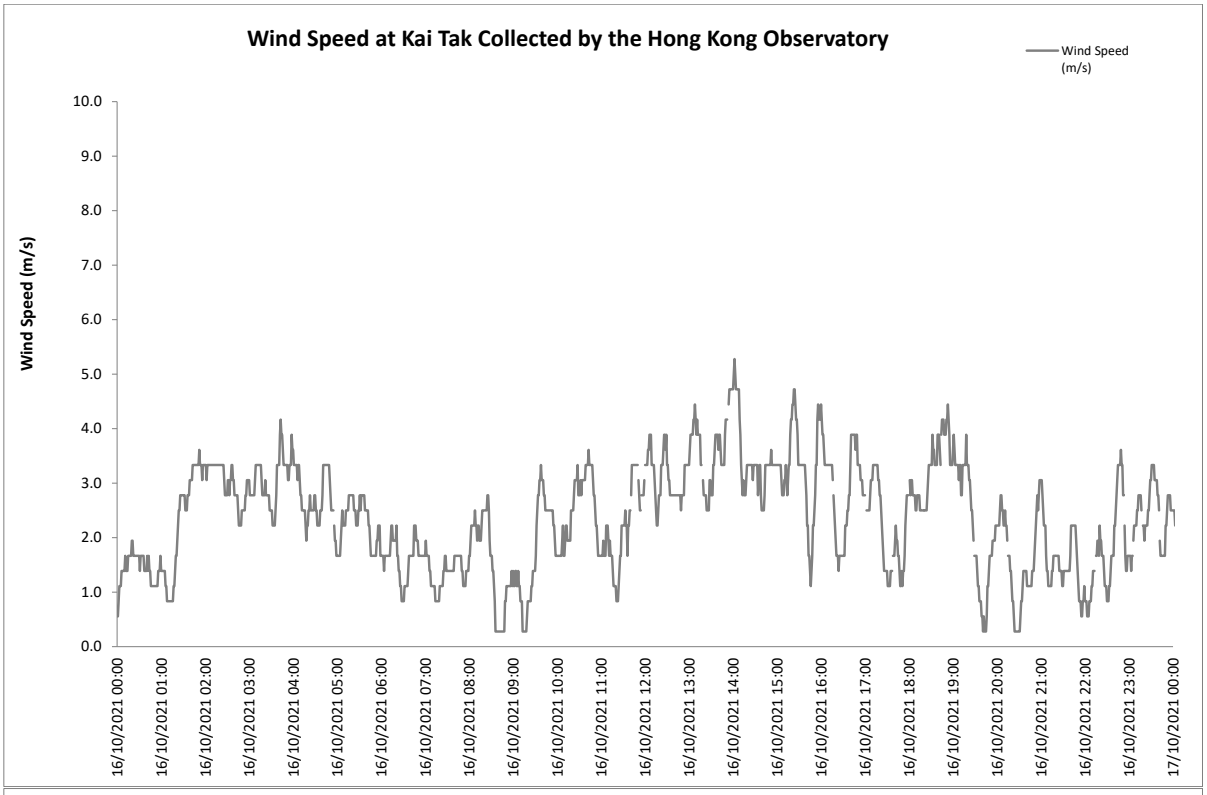


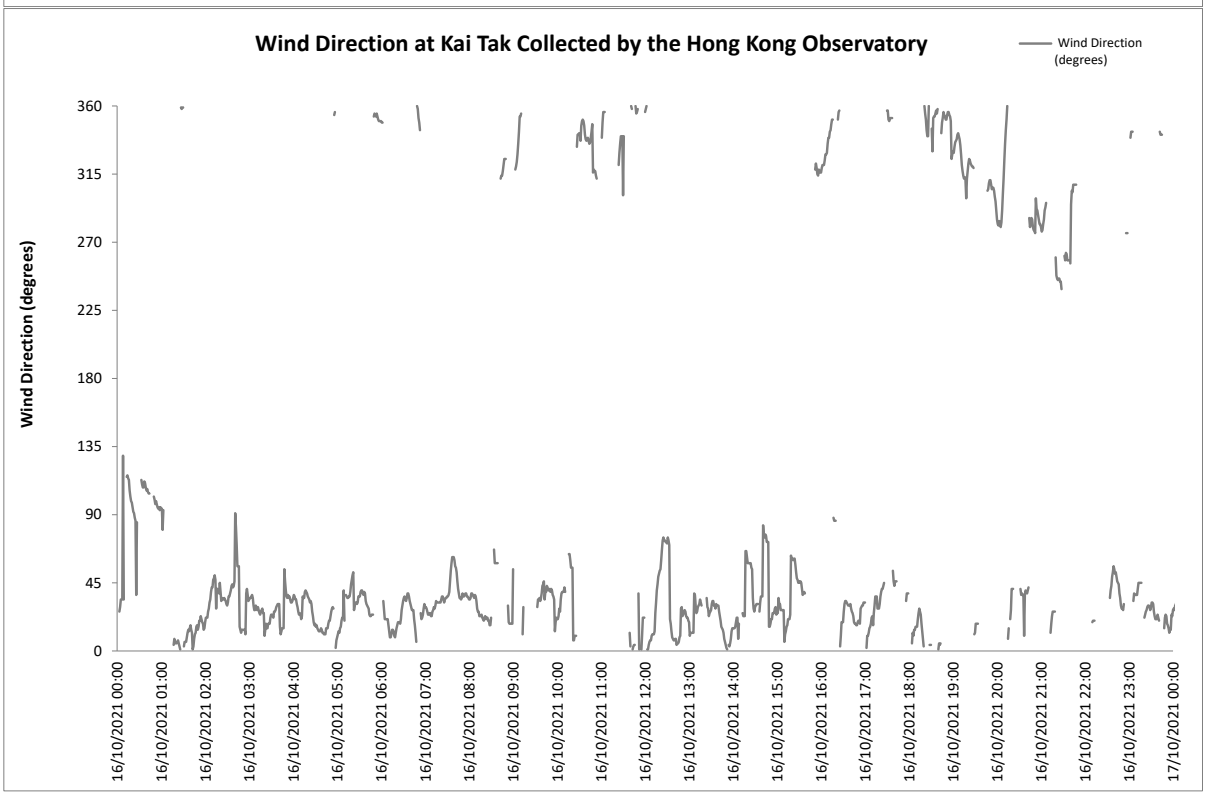
11 October 2021



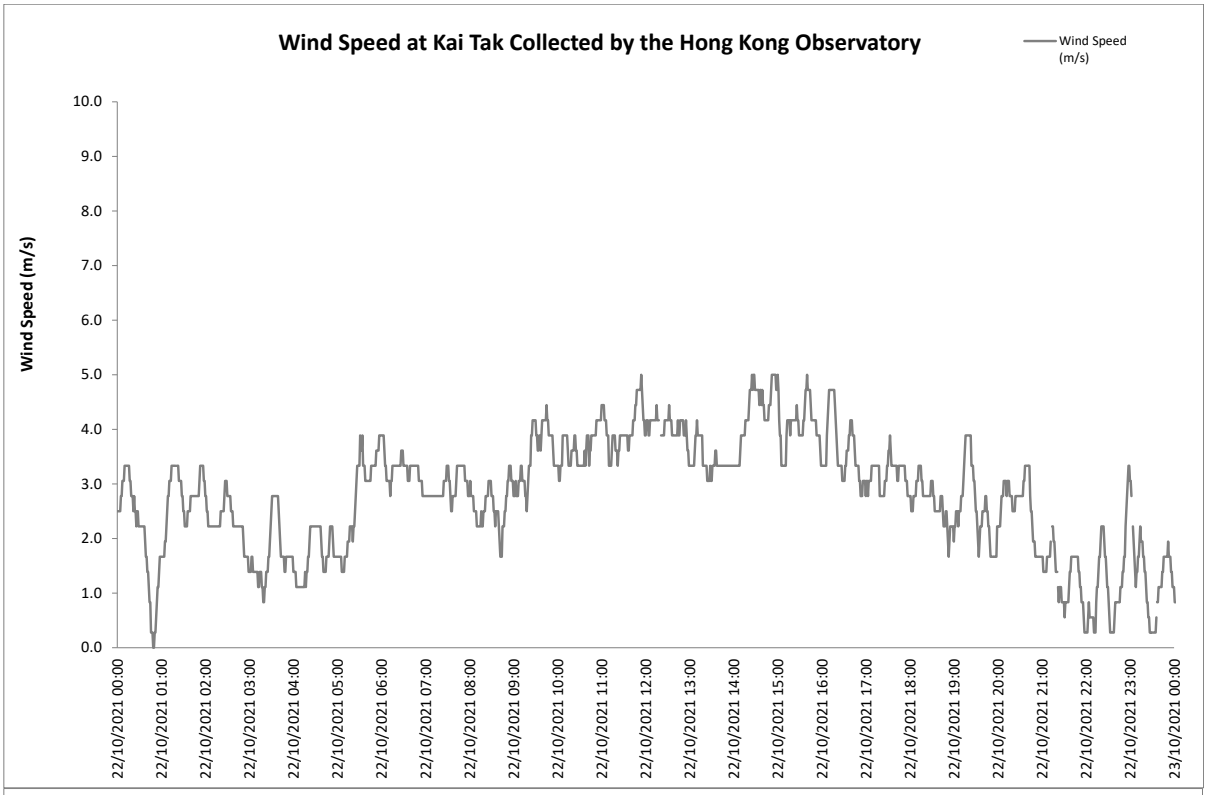


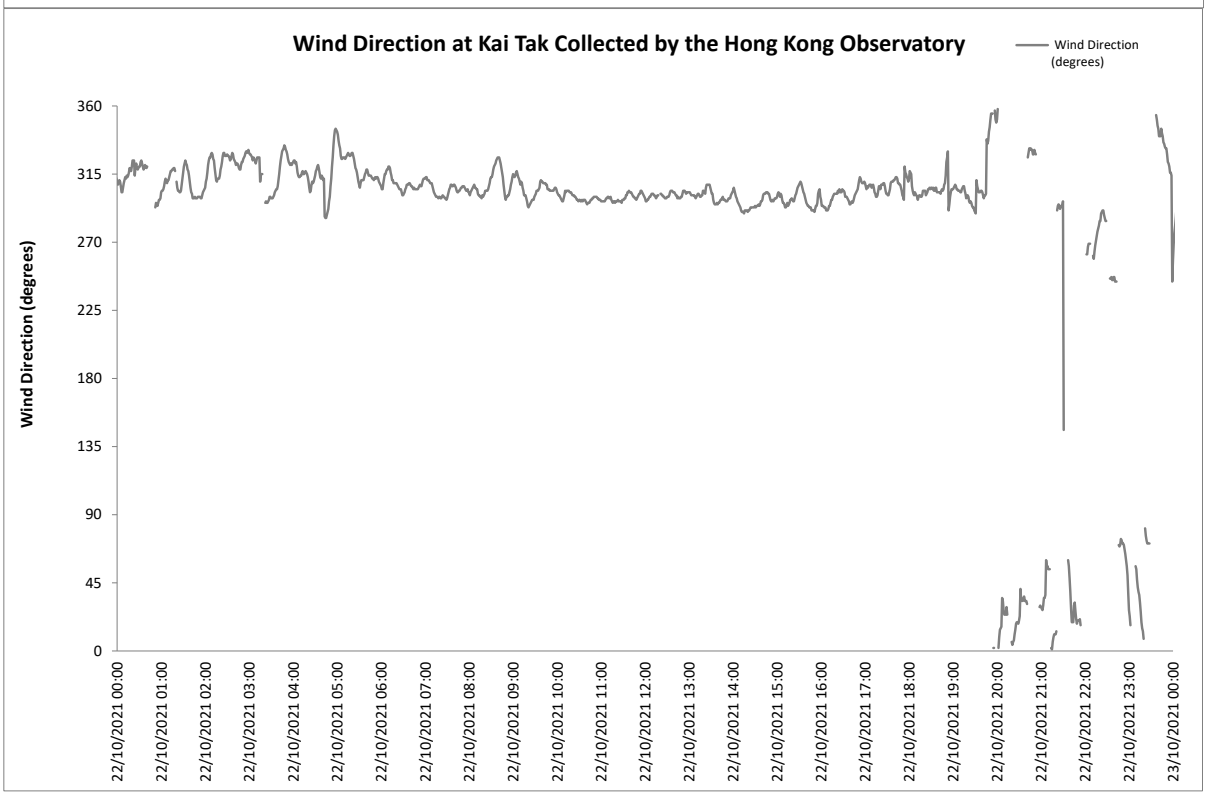
16 October 2021



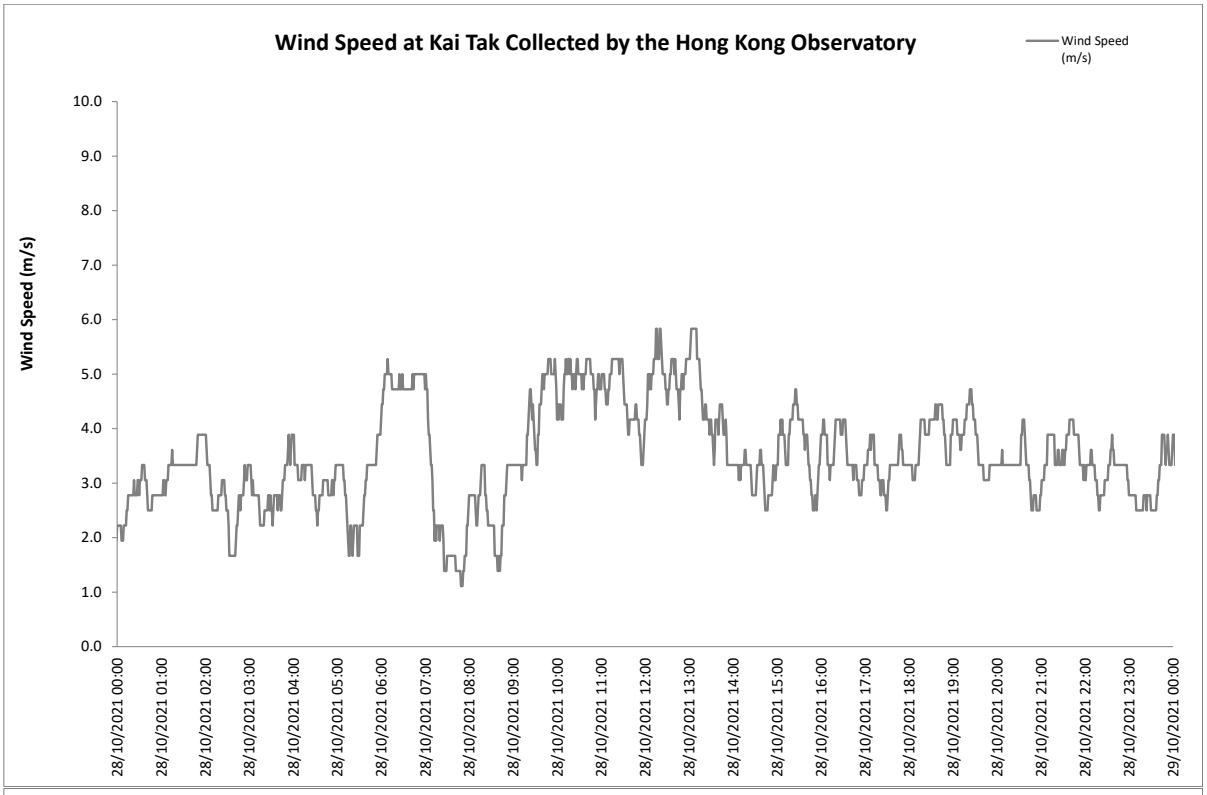


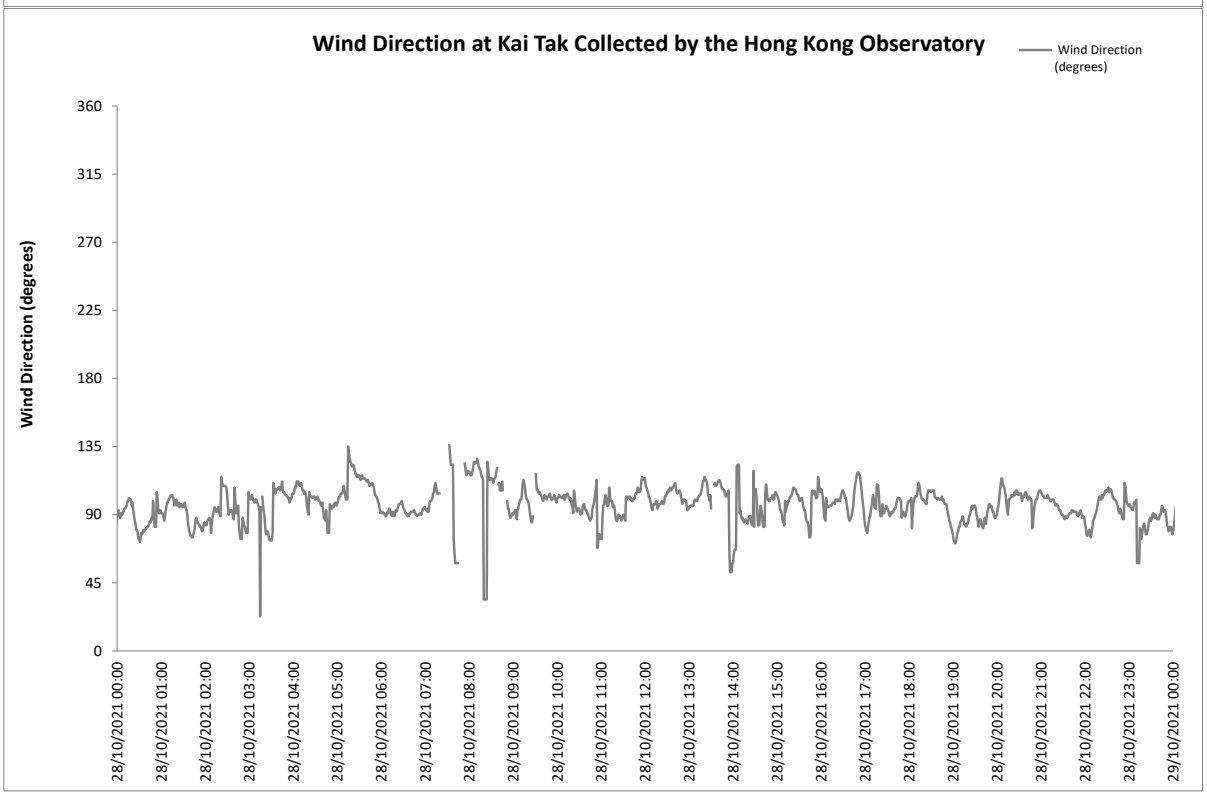
22 October 2021



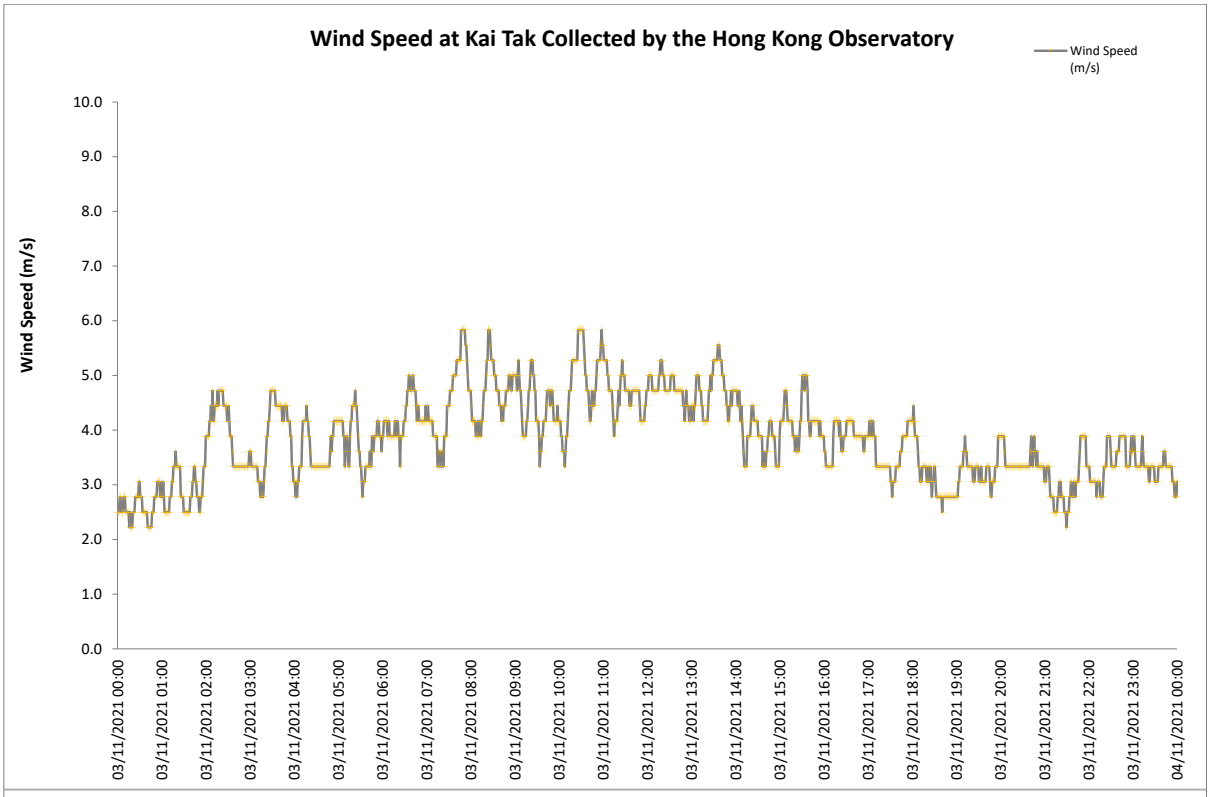


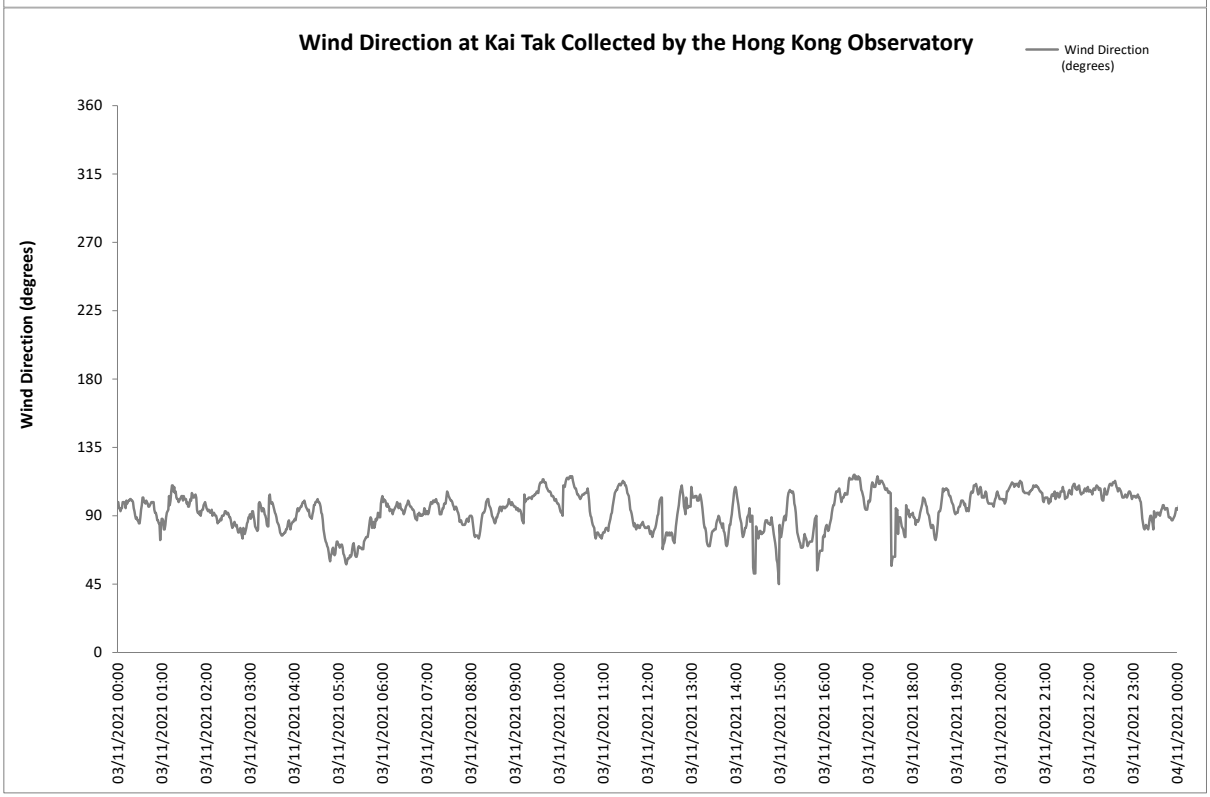
28 October 2021



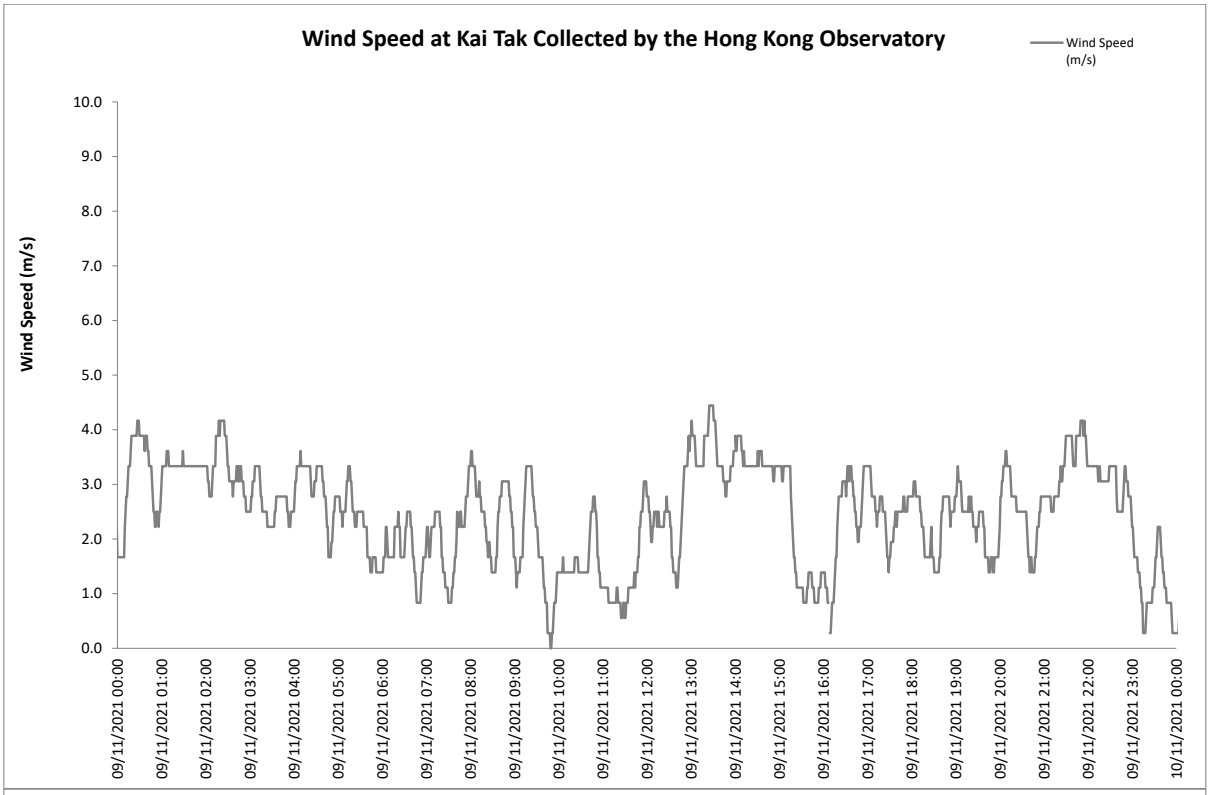


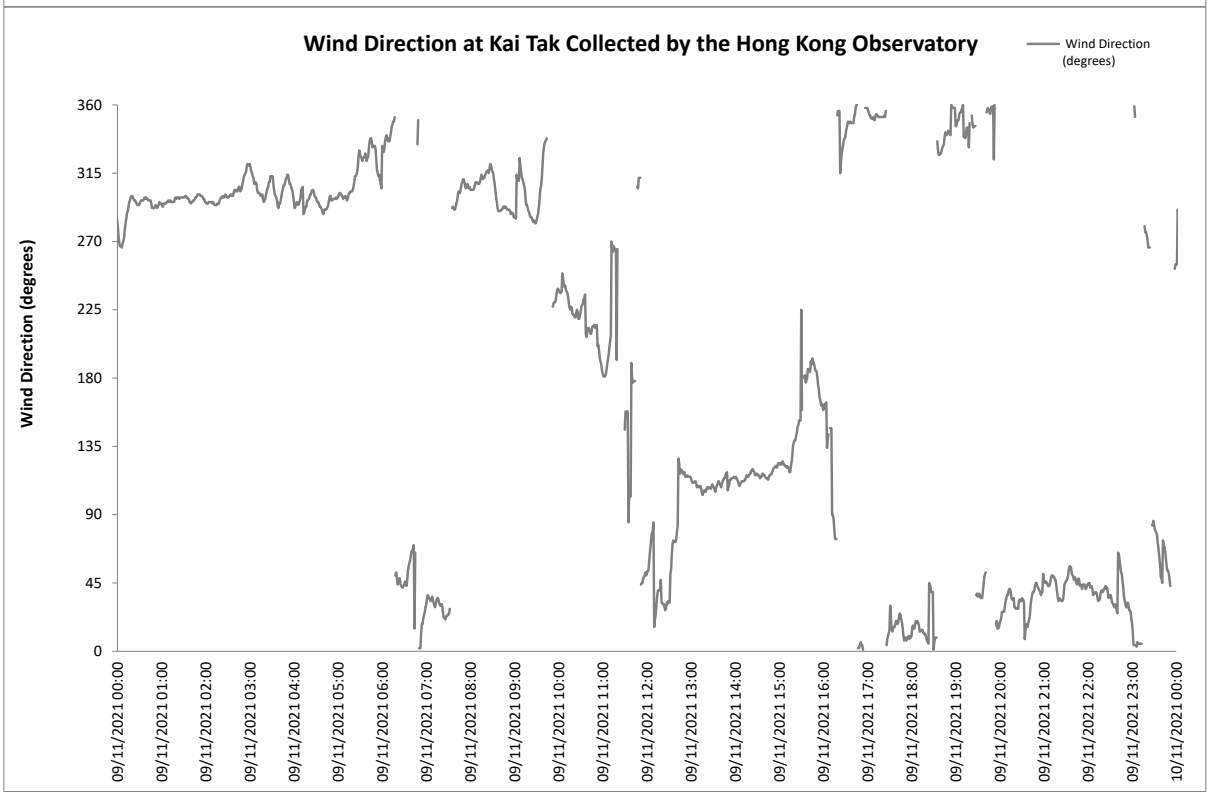
3 November 2021



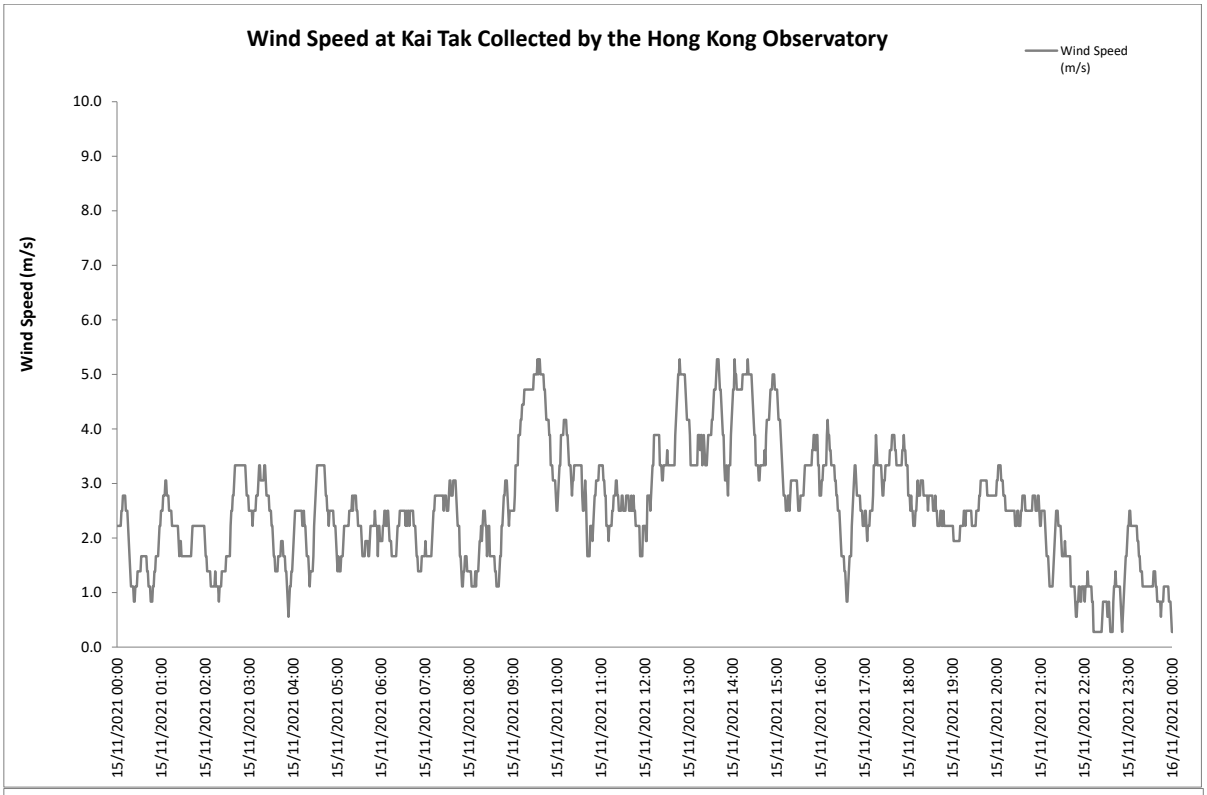


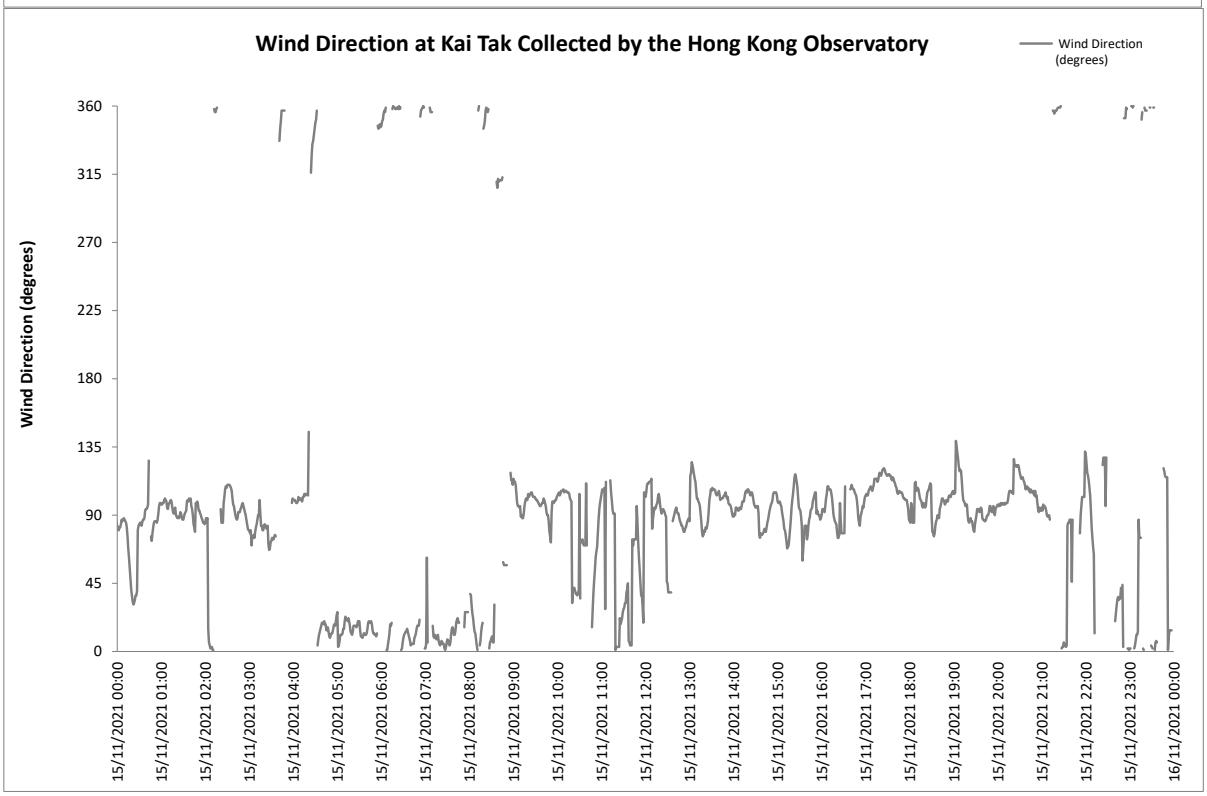
9 November 2021



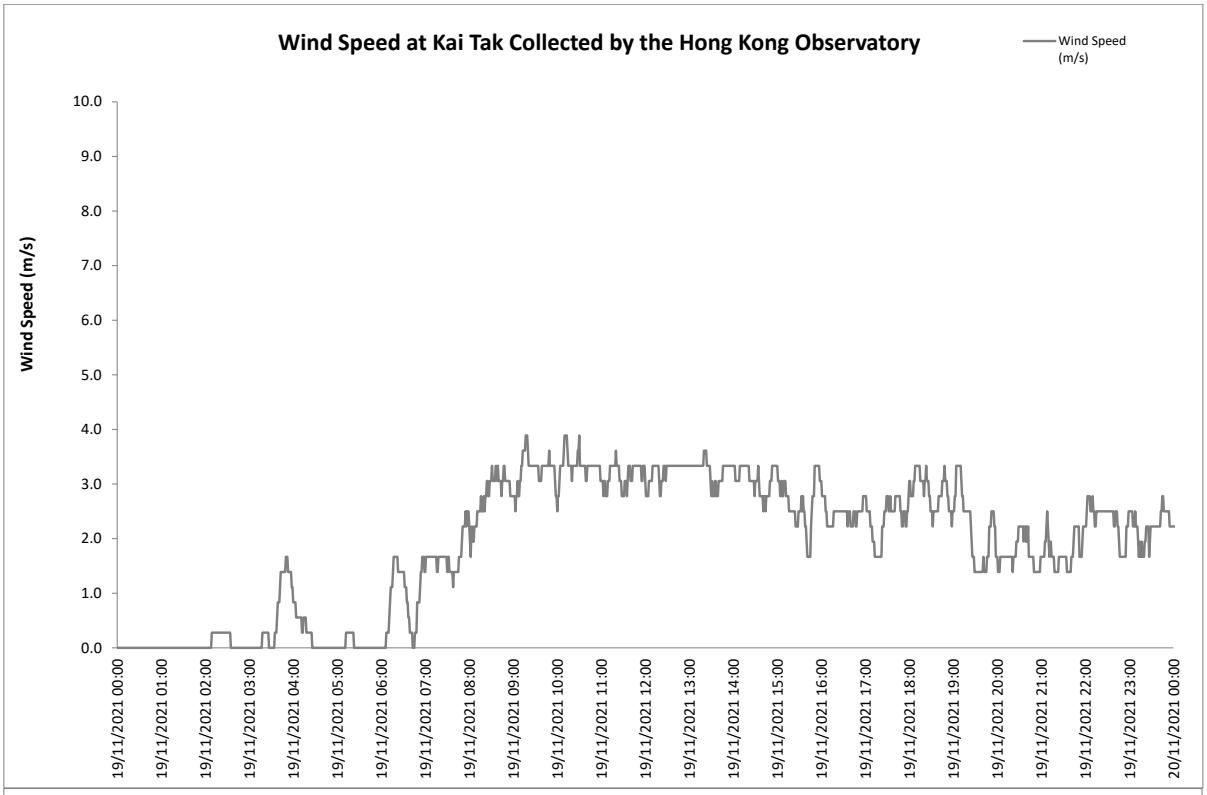


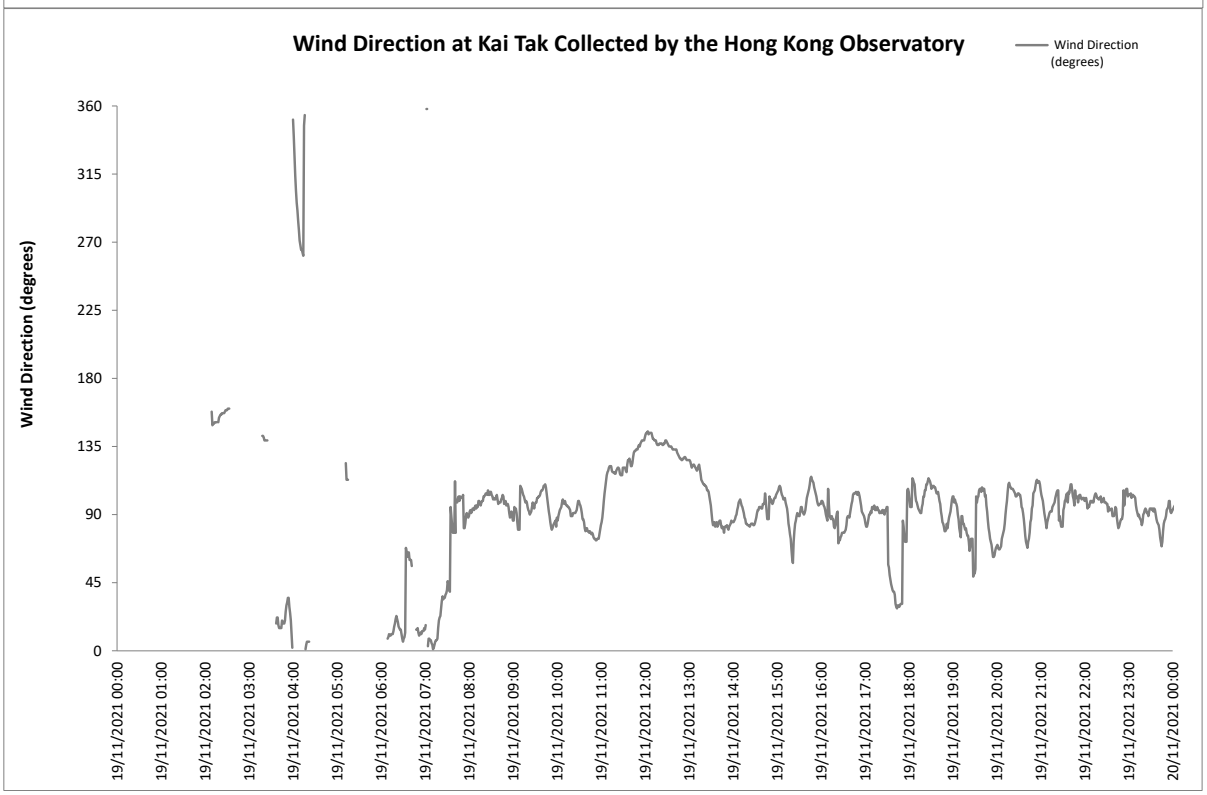
15 November 2021



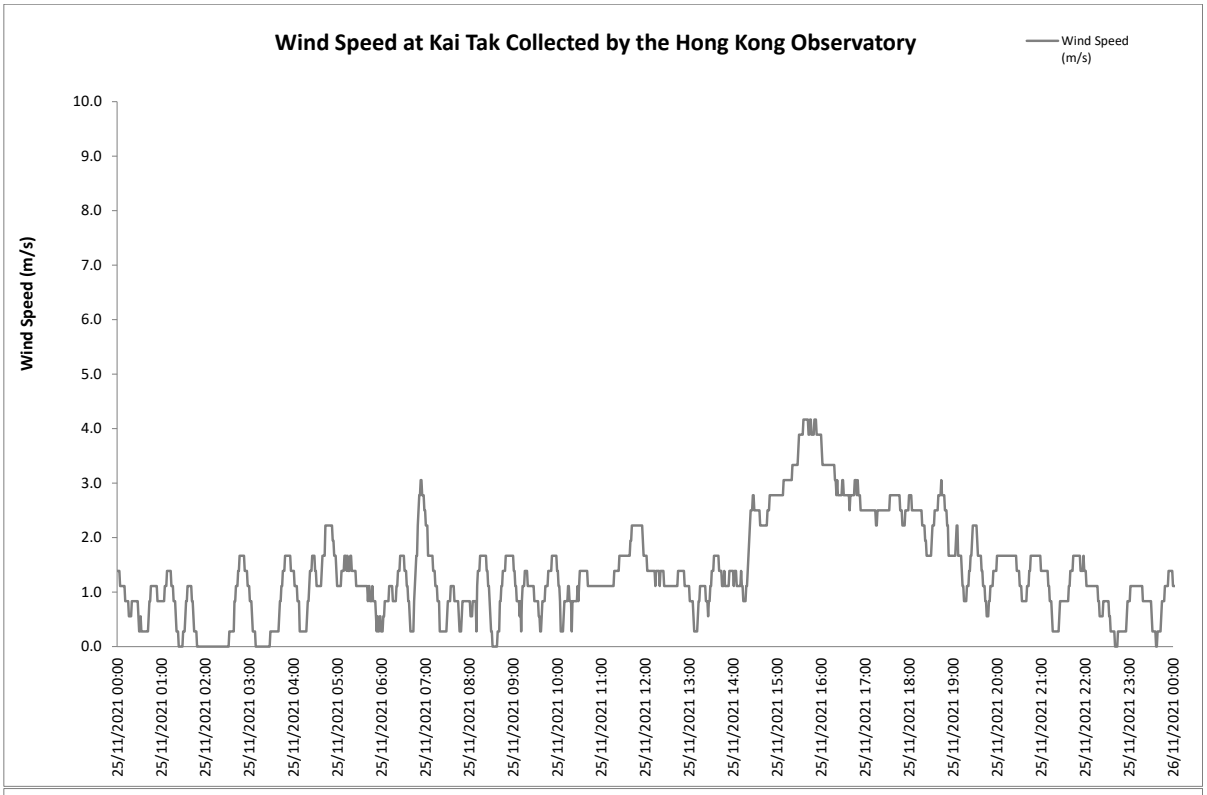


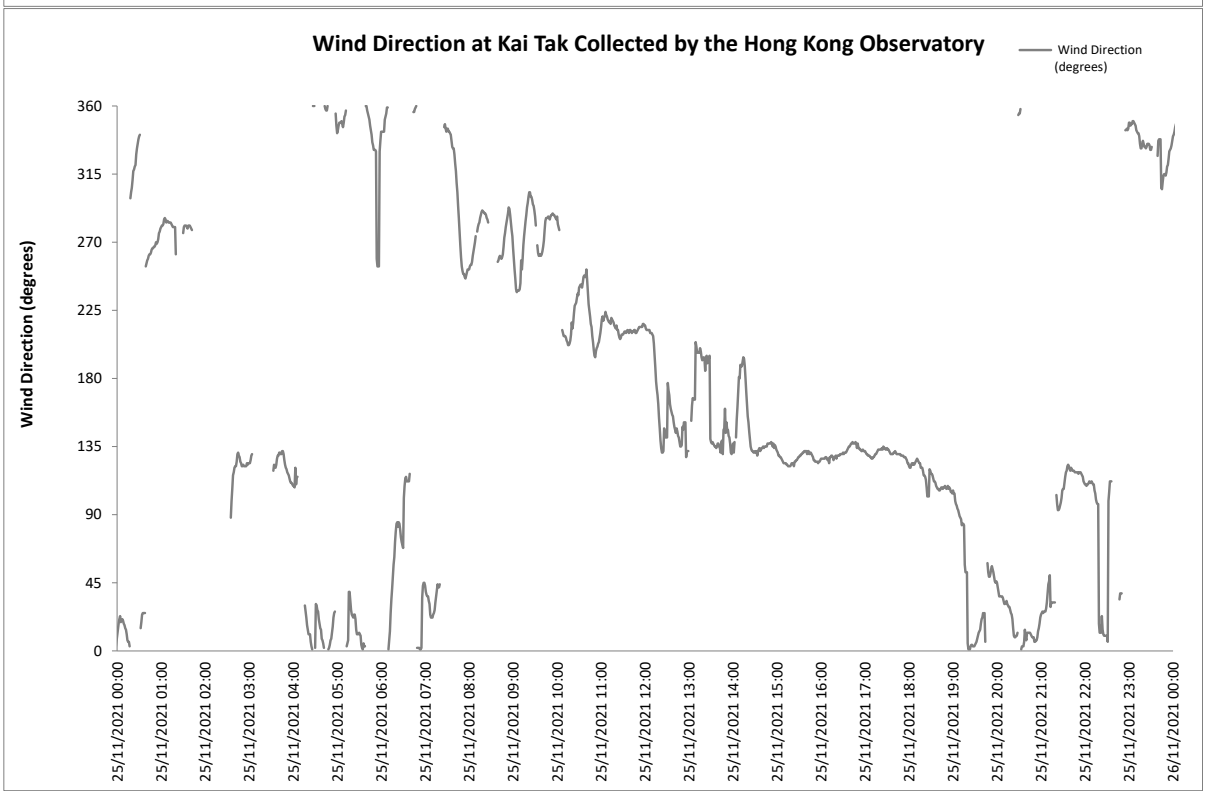
19 November 2021



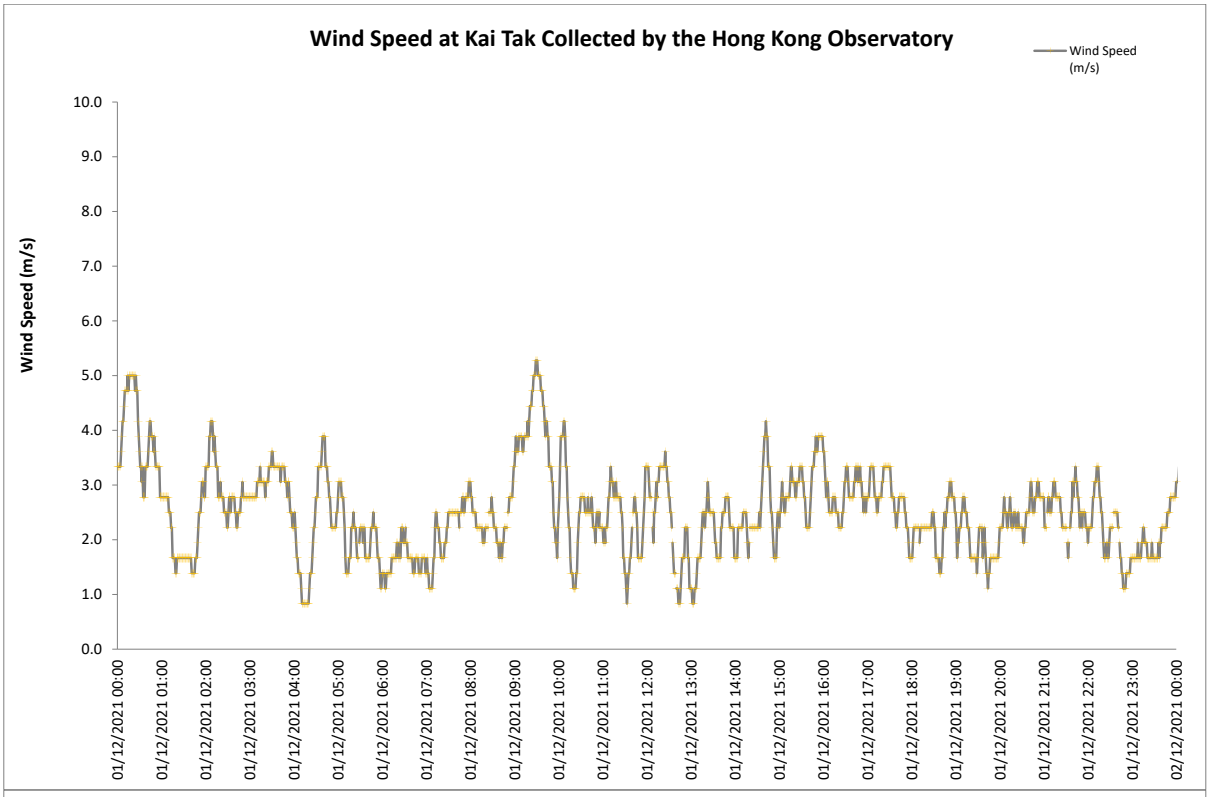


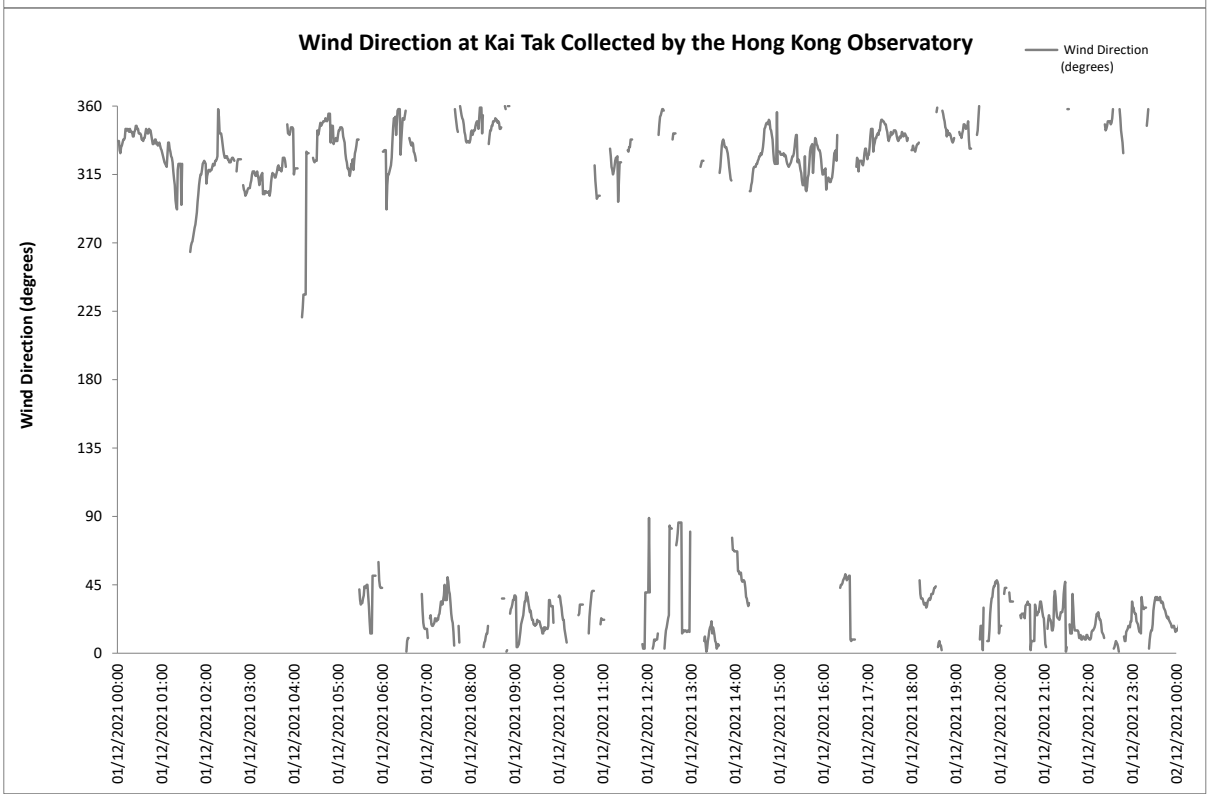
25 November 2021



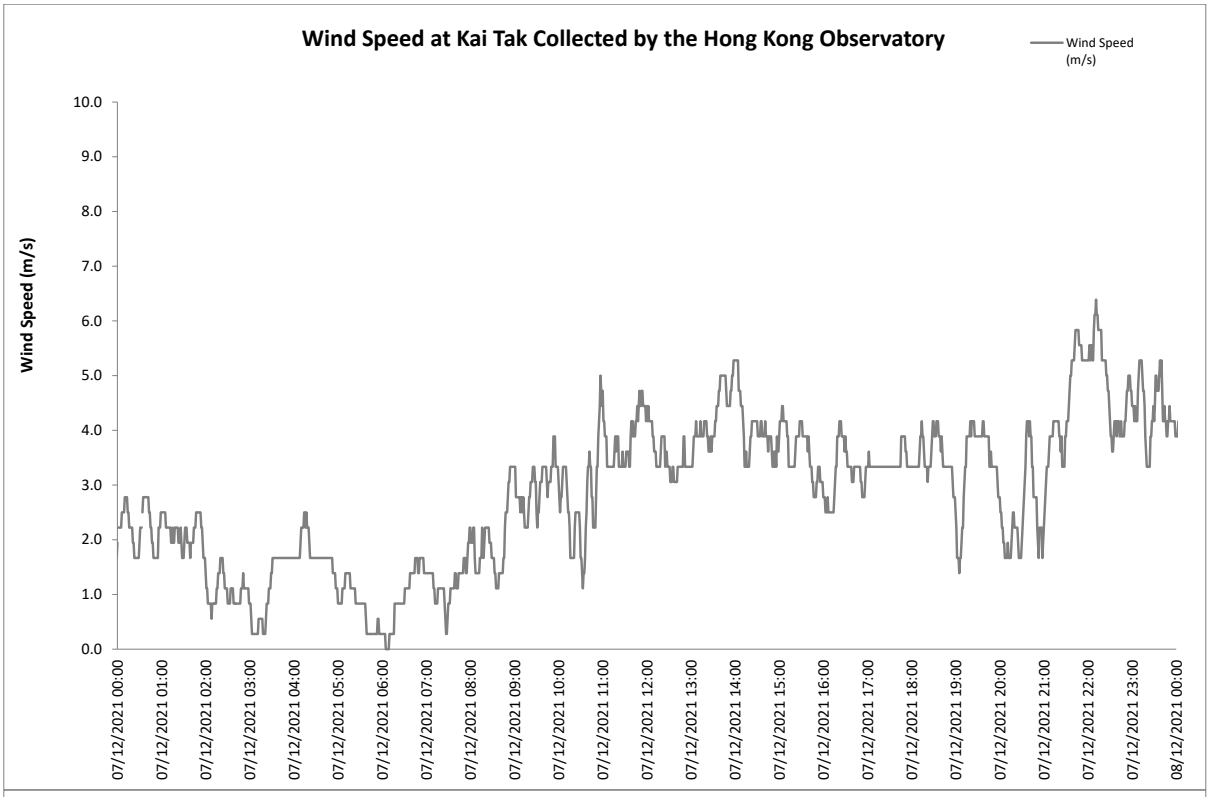


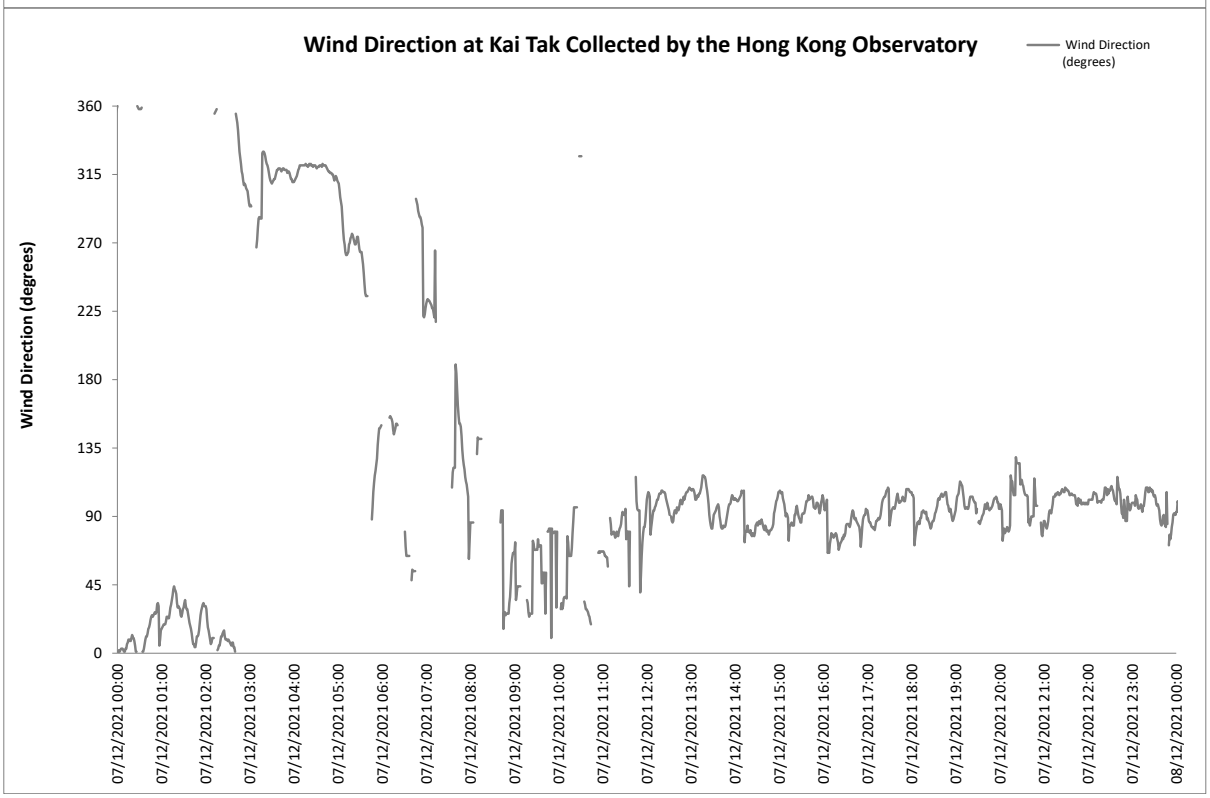
1 December 2021



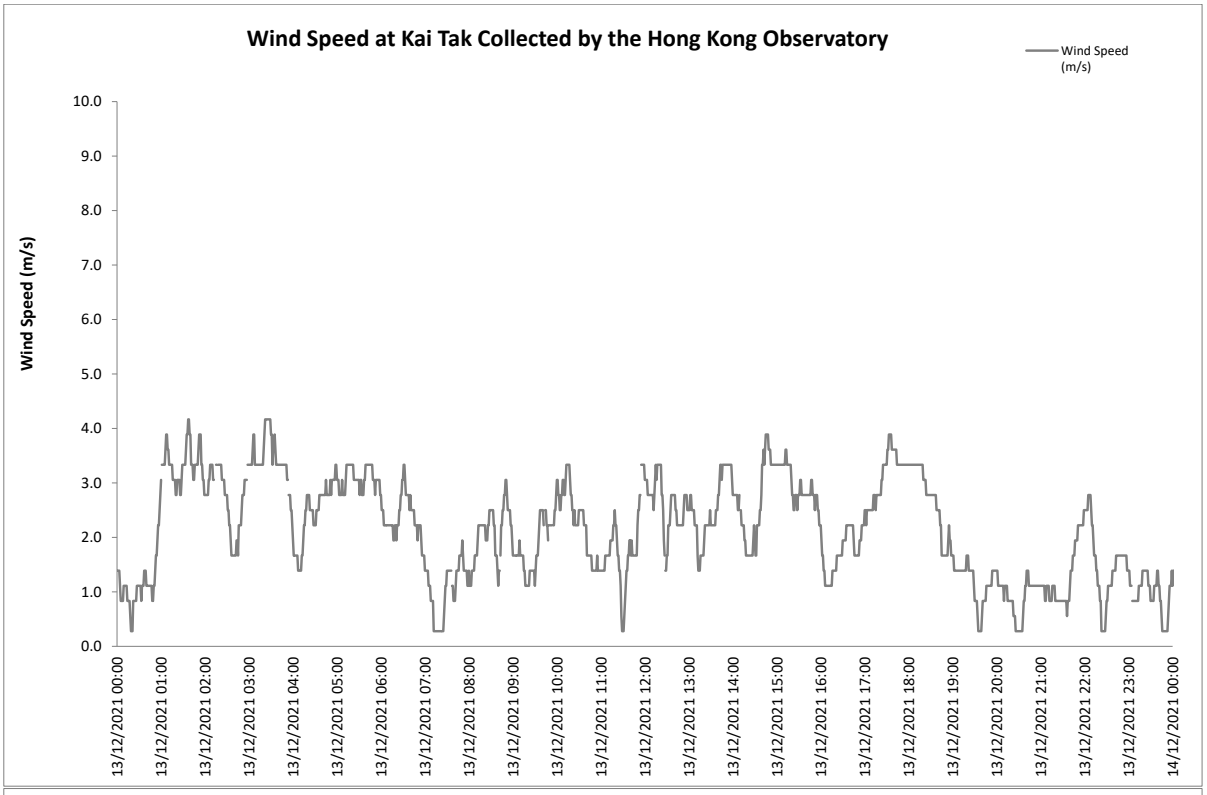


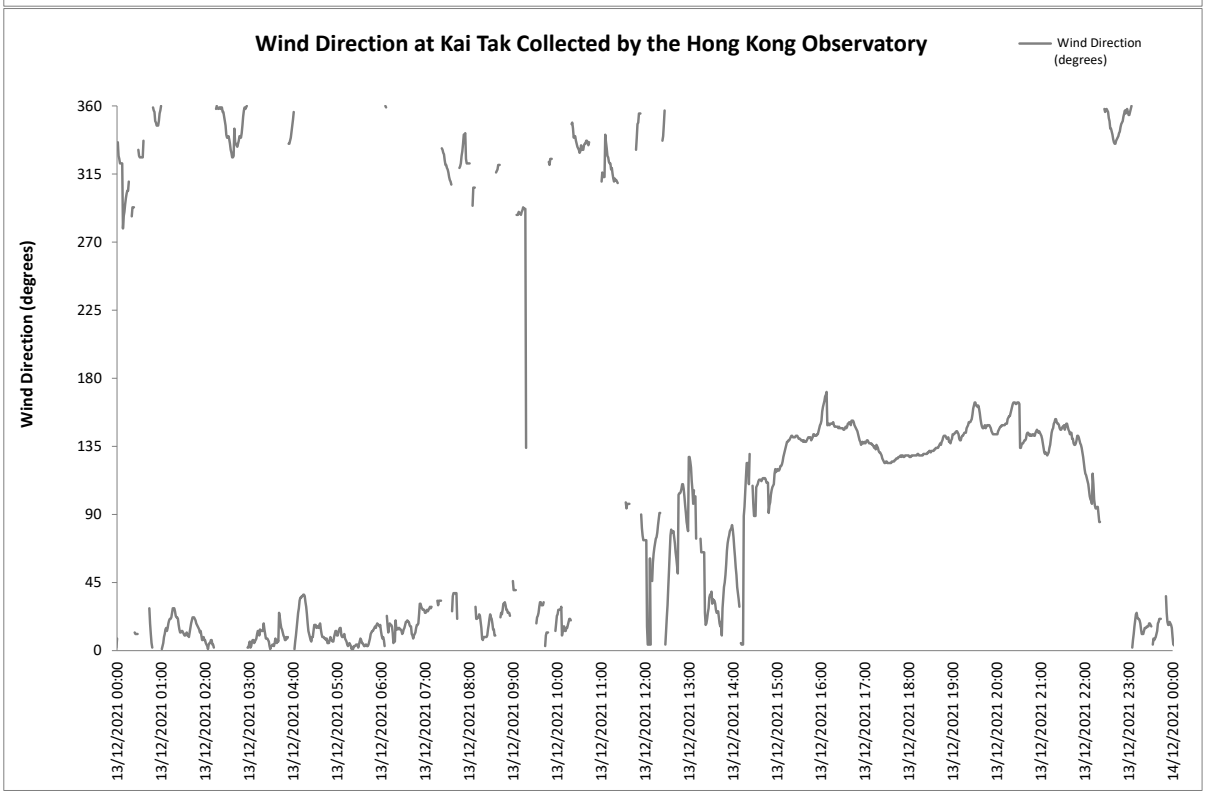
7 December 2021



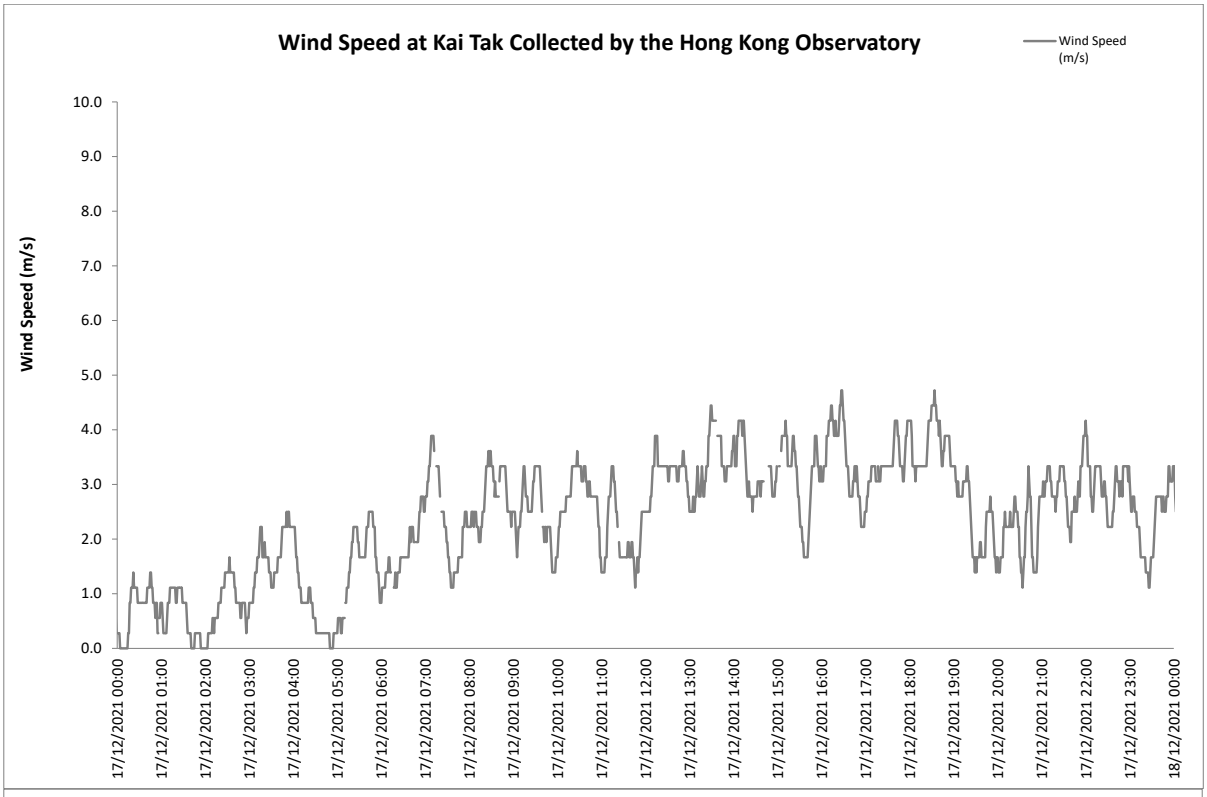


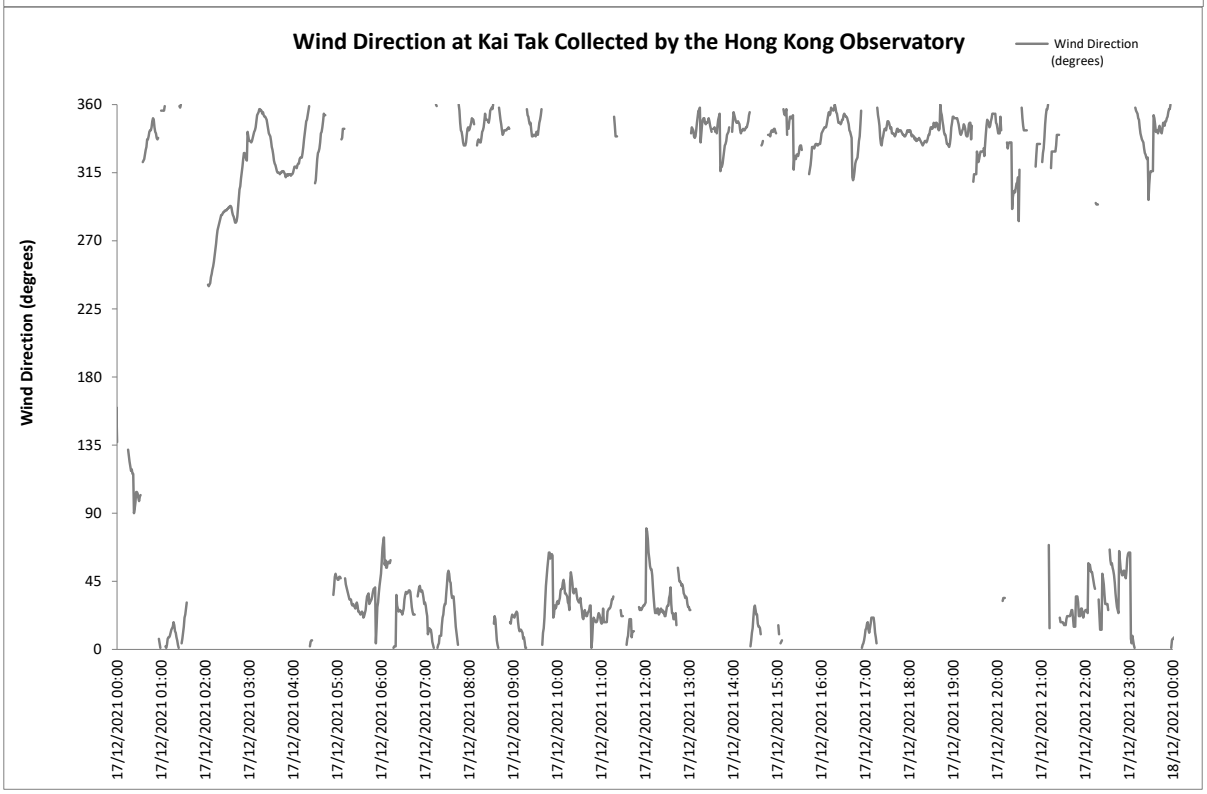
13 December 2021





17 December 2021





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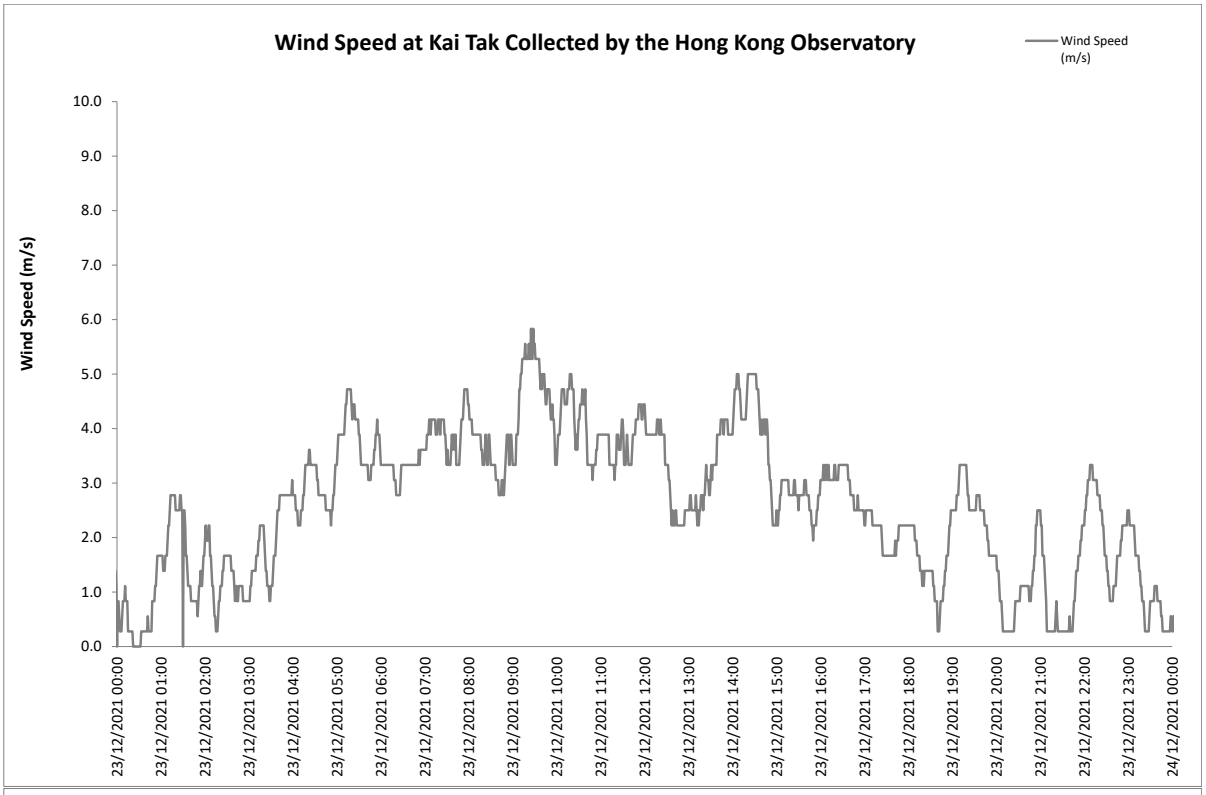
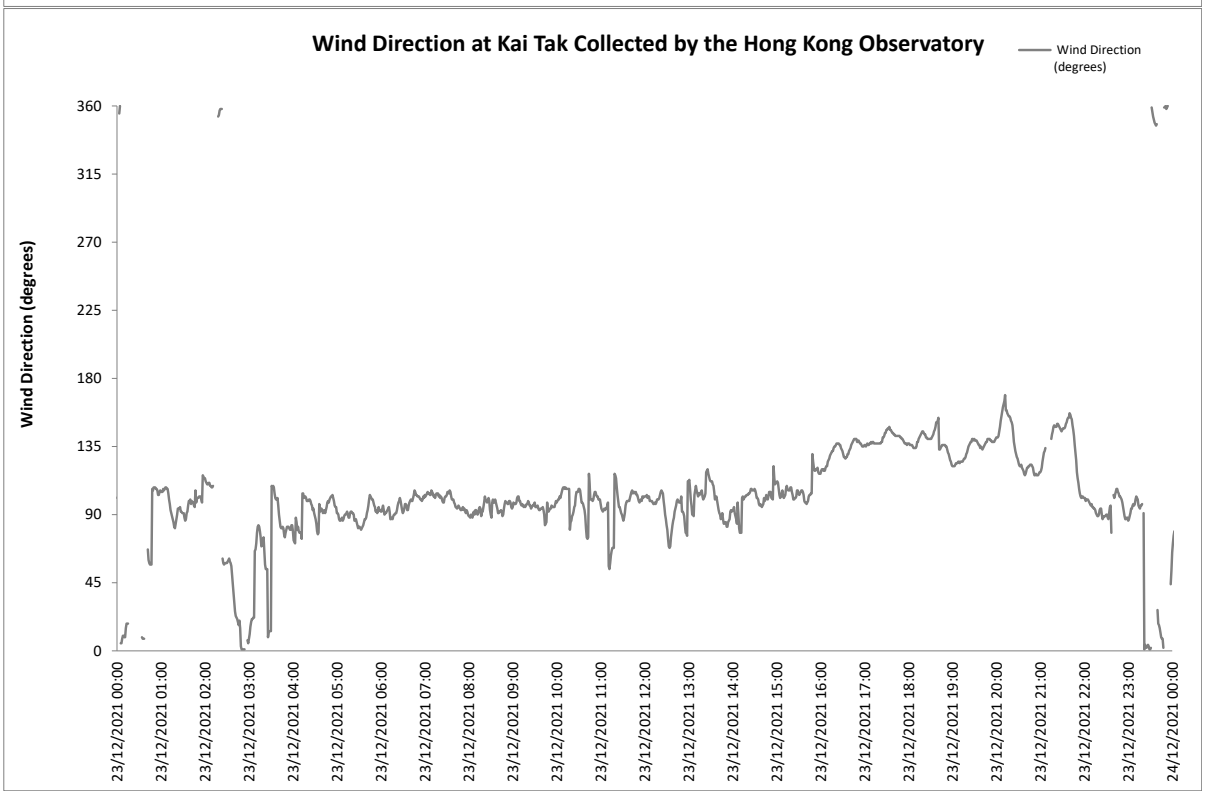
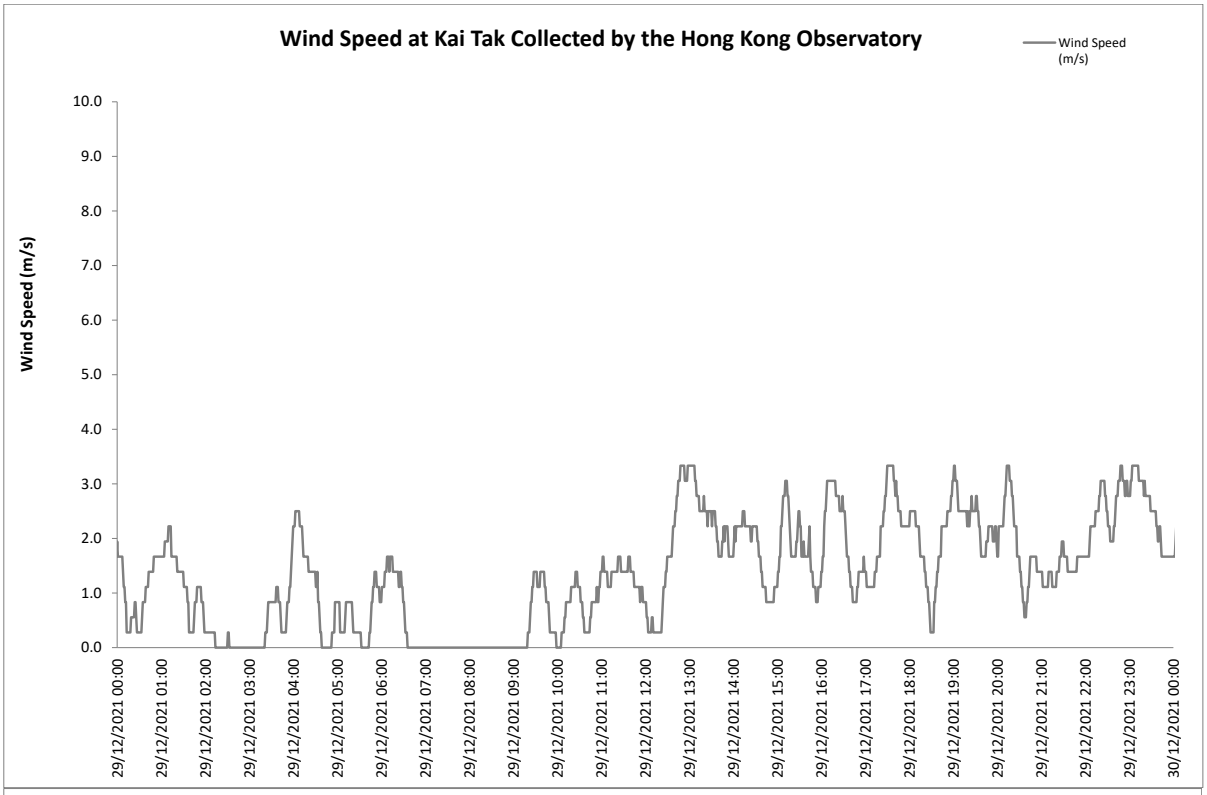
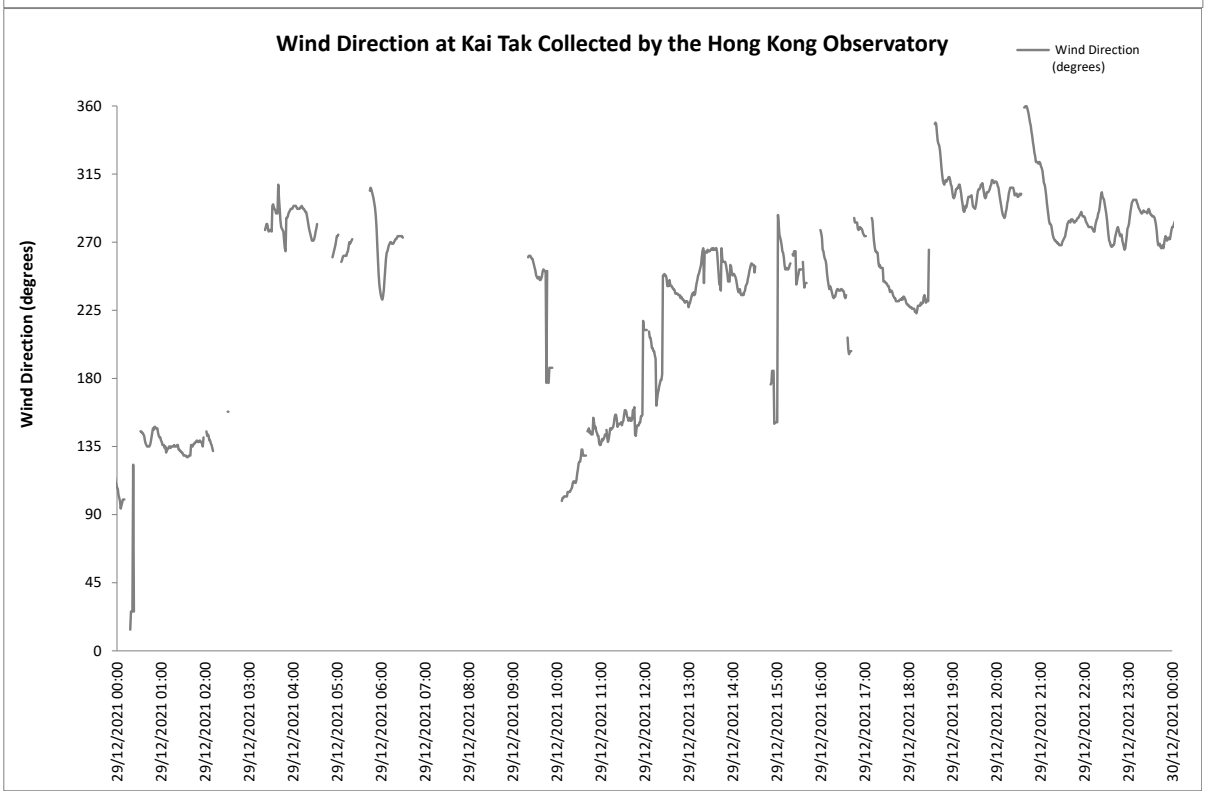




29 December 2021





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: 2019-2021

協興工程有限公司
HIP HING ENGINEERING CO LTD
新創建集團成員 Member of NWS Holdings

Monthly Waste Flow Table

Month	Total Quantity Generated	Total Quantity Generated (Excluded Excavated Material)	Actual Quantities of Inert C&D Materials Generated Monthly								Actual Quantities of C&D Materials Generated Monthly						Remarks
			Excavated Materials			Non-excavated Materials					Metals (steel bar / metal strip)[1]	Metals (aluminum can)[1]	Paper / cardboard packaging [1]	Plastics [1] & [4]	Chemical waste (wasted lubricant oil/ oil container)	Other, e.g. general refuse	
			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							
	(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)	(in '000kg)	
	a1	a2	b	b	b	c	d	e	f	g	h	i	j	k	l	m	
Jan-19																	
Feb-19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mar-19	4960.89	4741.39	219.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.84	0.00	0.00	0.00	0.00	4729.55	
Apr-19	1218.47	1211.81	6.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	1211.75	
May-19	87.29	87.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	87.28	
Jun-19	80.77	80.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.00	0.08	0.42	0.00	79.61	
Jul-19	2302.16	614.79	1687.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.95	0.00	613.54	
Aug-19	3619.81	280.59	3339.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.00	0.00	1.29	0.60	276.93	
Sep-19	9840.16	349.65	9490.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.60	348.01	
Oct-19	11505.06	543.69	10961.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.95	0.00	1.43	1.15	0.00	459.16	
Nov-19	4718.13	313.84	4404.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.84	0.00	0.24	1.37	0.00	242.39	
Dec-19	5185.14	102.48	5082.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.63	0.80	100.05	
Jan-20	12107.08	127.05	11980.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.32	0.00	0.57	1.36	0.00	108.80	
Feb-20	18104.96	100.58	13459.32	0.00	4545.06	0.00	0.00	0.00	0.00	0.00	23.64	0.00	0.00	0.96	0.00	75.98	
Mar-20	35699.19	235.99	6615.03	0.00	28848.17	0.00	0.00	0.00	0.00	0.00	90.73	0.00	0.50	1.33	0.80	142.63	
Apr-20	42587.03	137.90	0.00	0.00	42449.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.00	136.80	
May-20	64506.51	218.89	0.00	0.00	64287.62	0.00	0.00	0.00	0.00	0.00	47.41	0.00	0.40	1.61	0.00	169.47	
Jun-20	44983.53	337.20	6519.25	0.00	38127.08	0.00	0.00	0.00	0.00	0.00	171.56	0.00	0.58	2.55	0.80	161.71	
Jul-20	43468.97	602.89	0.00	0.00	42866.08	0.00	0.00	0.00	0.00	0.00	377.41	0.01	1.03	2.16	0.00	222.28	
Aug-20	61609.05	1121.82	3771.32	0.00	56715.91	0.00	0.00	0.00	0.00	0.00	861.33	0.35	1.58	2.35	0.00	256.21	
Sep-20	111046.04	730.59	0.00	0.00	110315.45	0.00	0.00	0.00	0.00	0.00	443.46	0.01	1.39	1.87	0.00	283.86	
Oct-20	109678.75	712.61	0.00	0.00	108966.14	0.00	0.00	0.00	0.00	0.00	385.68	0.02	1.00	1.64	0.00	324.27	
Nov-20	135055.14	852.56	0.00	0.00	134202.58	0.00	0.00	0.00	0.00	0.00	362.36	0.01	0.86	2.12	0.60	486.61	
Dec-20	132183.00	1163.51	6981.13	0.00	124038.36	0.00	0.00	0.00	0.00	0.00	390.22	0.08	2.19	1.66	0.00	769.36	
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	51743.65	1314.82	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	
Total	1305770.56	36547.70	184620.49	0.00	1084602.38	0.00	0.00	0.00	0.00	0.00	7257.99	0.75	31.08	54.32	4.80	29198.77	

Total C&D waste generated	1305770.56	tonne	a1=b+c+d+e+f+g+h+i+j+k+l+m
Total C&D waste generated (excluding excavated materials)	36547.70	tonne	a2=c+d+e+f+g+h+i+j+k+l+m
Total recycled C&D waste	7344.13	tonne	a3=c+d+e+h+i+j+k
% of recycled C&D waste for BEAM Plus MA10 or MA11	20.09	%	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 November 2021 and December 2021 have been updated according to the latest information from contractor in December 2021.
(9)Recycling record for metals, papers and plastics have been updated according to the latest information from contractor in December 2021.

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

Company: Hip Hing Construction Co., Ltd.

Monthly Summary Waste Flow Table

Month	Total Quantities Generated	Total Quantities Generated (excluded excavated material)	Accumulated Quantities of Inert C&D Materials Generated Monthly					Accumulated Quantities of Non-inert C&D Wastes Generated Monthly						
			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
			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)	(in'000 kg)	(in'000 kg)
Aug-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep-21	1550.68	0	0	0	0	1550.68	0	0	0	0	0	0	0	0
Oct-21	3694.29	30.52	0	0	0	3663.77	0	0	13.17	0	0	0	0	17.35
Nov-21	5447.65	68.57	0	0	0	5309.2	69.88	6.05	32.4	0	0	0	0	30.12
Dec-21	237.03	79.78	0	0	0	0	157.25	0	36.98	0	0	0	0	42.8
Total	**10929.6521**	**178.8721**	**0**	**0**	**0**	**10523.65**	**227.13**	**6.05**	**82.5521**	**0**	**0**	**0**	**0**	**90.27**

Total C&D Waste generated	10929.6521	Tons
Total C&D waste generated (Excluded excavated materials)	178.8721	Tons
Total C&D waste recycled	82.5521	Tons

$$\text{Waste Recycling Rate} = \frac{(a) + (g) + (h) + (i) + (j)}{(a) + (b) + (f) + (g) + (h) + (i) + (j) + (l)} \times 100\% = 46.15\%$$

Note:
For BEAM Plus certification scheme, excavated materials are excluded from the calculation of the waste reduction rate Record with Underlined 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	Environmental 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	6 Jul 2021	2 Aug 2021	11 Nov 2021	Superseded
			6 Oct 2021	25 Oct 2021	10 Feb 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 (Percussive Piling)	PP-RE0015-21	13 May 2021	3 Jun 2021	23 Nov 2021	Issued
8	Construction Noise Permit (Construction Works, Barging Point)	GW-RE0378-21	12 Apr 2021	21 May 2021	10 Nov 2021	Superseded by GW-RE1034-21 on 11 Nov 2021
9	Construction Noise Permit (Construction Works, Northern Site)	GW-RE0826-21	10 Aug 2021	1 Sep 2021	31 Oct 2021	Issued
10	Construction Noise Permit (Construction Works, Southern Site)	GW-RE0833-21	11 Aug 2021	1 Sep 2021	28 Feb 2022	Issued

Item No.	Type of Permit / Licence	Reference No.	Application Date	Valid from	Valid until	Remark
	Construction Noise Permit (Special - Truss Delivery Port)	GW-RE0902-21	10 Sep 2021	15 Sep 2021	30 Nov 2021	Superseded by GW-RE1090-21 on 2 Nov 2021
11	Construction Noise Permit (Construction Works, Shing Kai Road)	GW-RE0929-21	17 Sep 2021	23 Sep 2021	3 Dec 2021	Issued
12	Construction Noise Permit (Special - Truss Delivery Port)	GW-RE0931-21	13 Sep 2021	13 Sep 2021	15 Sep 2021	Issued
13	Construction Noise Permit (Construction Works, Barging Point)	GW-RE1034-21	7 Oct 2021	11 Nov 2021	9 May 2022	Superseded by GW-RE1058-21 on 2 Dec 2021
14	Construction Noise Permit (Special Truss Delivery Port)	GW-RE1090-21	22 Oct 2021	2 Nov 2021	2 Feb 2022	Issued
15	Construction Noise Permit (Construction Works, Barging Point)	GW-RE1058-21	8 Nov 2021	2 Dec 2021	21 May 2022	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 Notification under APCO	458255	17 Jul 2020	17 Jul 2020	N/A	N/A
		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	WT00037364-2021	17 Jul 2020	22 Mar 2021	31 Mar 2026	Issued
		WT00039490-2021	6 Aug 2021	9 Nov 2021	30 Nov 2026	Issued
6	Marine Dumping Permit under DASO	EP/MD/21-087	23 Nov 2020	5 Jul 2021	4 Aug 2021	Issued
		470717 (Receipt No.)	18 Aug 2021	N/A	N/A	Pending
7	Construction Noise Permit	GW-RE0840-21	12 Aug 2021	1 Sep 2021	28 Feb 2022	Superseded by GW-RE1030-21 on 21 Oct 2021
8	Construction Noise Permit	GW-RE1030-21	28 Sep 2021	21 Oct 2021	14 Apr 2022	Superseded by GW-RE1186-21 on 7 Dec 2021
9	Construction Noise Permit	GW-RE1186-21	18 Nov 2021	7 Dec 2021	1 Jun 2022	Issued

Appendix I. Environmental Mitigation Measures Implementation Status

Air Quality – Recommended Mitigation Measures

Air Quality Mitigation Measures during construction	Implementation Status	
	KTSP	H/O
• Good housekeeping to minimize dust generation, e.g. by properly handling and storing dusty materials	✓	✓
• Store cement in shelter with 3 sides and the top covered by impervious materials if the stack exceeds 20 bags	✓	✓
• 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	N/A	N/A
• 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	✓	N/A
• Dusty materials (e.g. debris) should be wetted by misting / water-spraying before any loading, unloading, transfer or transport operation	✓	✓
• Any skip hoist for material transport should be fully enclosed by impervious sheeting	✓	✓
• 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	✓	✓
• 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	✓	✓
• 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	✓	✓
• 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	P	✓
• Dusty materials remaining after a stockpile is removed should be wetted with water and cleared from the surface of roads	✓	✓
• Properly fitted side and tail boards are necessary for any vehicle with open load area	✓	✓
• 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.	✓	✓
• Limit the maximum vehicle speed within the site to 10km/hr	✓	✓
• Haulage and delivery vehicles should be confined to designated roads	✓	✓
• Every main haul road should either be 1.) paved with concrete and kept clear of dusty materials, or 2.) sprayed or watered to maintain the entire road surface wet	✓	✓
• All on-site unpaved roads should be compacted and kept free of lose materials as possible	✓	✓
• Provide vehicle washing (e.g. wheel washing bay & high pressure water jet where practicable) at every vehicle exit point for cleaning vehicle body and wheels	✓	✓
• The vehicle washing area and the road between washing area and site exit should be paved with concrete, bituminous or other hardcores	✓	✓
• 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.	✓	✓
• Dusty materials on every vehicle's body and wheels should be removed in washing area before leaving the site	✓	✓

• Regular maintenance of all plant equipment	✓	✓
• Throttle down or switch off unused machines or machine in intermittent use	✓	✓
• 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.	✓	✓
• 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	✓	N/A
• 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	✓	✓
• Carry out air quality monitoring throughout the construction period	✓	✓
• Carry out weekly site inspection to audit the implementation of mitigation measures	✓	✓
• 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.	P	P
• 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.	✓	N/A
Non-Road Mobile Machinery (NRMMs)		
• 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.	P	✓

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	✓	✓
• Position mobile noisy equipment in locations away from NSRs and point the noise sources to directions away from NSRs	✓	✓
• Use silencer or muffler for equipment	✓	✓
• Make good use structures for noise screening	✓	✓
• Use Quality Powered Mechanical Equipment (QPME) and quiet equipment which produces lower noise level.	✓	✓
• Erect movable noise barrier of 3m height to shed large plant equipment (e.g. breaker, backhoe & mobile crane) or hand-held items (e.g. poker, wood saw, power rammer & 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.	✓	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 Quality Mitigation Measures during construction	Implementation Status	
	KTSP	H/O
• Practices outlined in ProPECC PN 1/94 Construction Site Drainage should be adopted.	✓	P
• Install perimeter channels in the works areas to intercept runoff from boundary prior to the commencement of any earthwork	✓	✓
• To prevent storm runoff from washing across exposed soil surfaces, intercepting channels should be provided.	✓	✓
• Drainage channels are required to convey site runoff to sand/silt traps and oil interceptors. Provision of regular cleaning and maintenance to ensure the normal operation of these facilities throughout the construction period.	✓	✓
• Any practical options for the diversion and realignment of drainage should comply with both engineering and environmental requirements	✓	✓
• Minimum distances of 100 m should be maintained between the discharge points of construction site runoff and the existing WSD saltwater intake and EMSD cooling water intake.	✓	✓
• The following good site measures should be adopted for the use of the existing barging facilities being operated by the MTR SCL Project: - All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash. - All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material. - Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site. - Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. - Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation. Whole construction site Contractor P WPCO, EIAO-TM Page	N/A	N/A
• The runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS.	✓	✓
• Reuse and recycling of the treated effluent from construction site runoff.	✓	✓
• Weekly site audit should be carried out to check the implementation status of the recommended water quality impact mitigation measures throughout construction period.	✓	✓
• The construction programme should be properly planned to minimise soil excavation, if any, in rainy seasons.	✓	✓
• Any exposed soil surfaces should be properly protected to minimise dust emission.	✓	✓
• In areas where a large amount of exposed soils exist, earth bunds or sand bags should be provided.	✓	✓
• Exposed stockpiles should be covered with tarpaulin or impervious sheets at all times.	✓	✓
• The stockpiles of materials should be placed at locations away from any stream courses so as to avoid releasing materials into the water bodies.	✓	✓
• Final surfaces of earthworks should be compacted and protected by permanent work.	✓	✓
• Haul roads should be paved with concrete and the temporary access roads protected using crushed stone or gravel, wherever practicable.	✓	✓
• Wheel washing facilities should be provided at all site exits to ensure that earth, mud and debris would not be carried out of the works areas by vehicles.	✓	✓
• Good site practices should be adopted to keep the site dry and tidy, such as clean the rubbish and litter on the construction sites.	✓	✓
• Adequate temporary site drainage and pumping should be provided, if necessary.	✓	✓
• Provide sufficient temporary toilets in the works areas. The toilet facilities should be more than 30 m from any watercourse. A licensed waste collector should be deployed to clean the temporary toilets on a regular basis.	✓	✓
• Notices should be posted at conspicuous locations to remind the workers not to discharge any sewage or wastewater into the nearby environment during the construction phase of the Project.	✓	✓

• 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.	✓	✓
• 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.	✓	N/A
• Clean the construction sites on a regular basis.	✓	✓
• 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)	N/A	N/A
• Provide two sequential storage tanks to contain surface water with residual fertilizers and pesticides and third holding tank for incidental rainstorm	N/A	N/A
Sewerage and Sewage Treatment Implications		
• Implementation of Sewer No. 1 and Sewer No.2 as proposed in Sections 7.2.2 - 7.2.3 of the EIA Report	✓	✓

Waste Management – Recommended Mitigation Measures

Waste Management Mitigation Measures during construction	Implementation Status	
	KTSP	H/O
• Inert C&D materials (or public fills) will be used to form the ramps and other filling area as far as civil engineering design permits.	✓	✓
• 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.	✓	✓
• Adopt good site practice as follows: - Provide training to workers on site cleanliness, waste management (waste reduction, reuse and recycle) and chemical handling procedures - Provide sufficient waste collection points and regular removal - Cover waste materials with tarpaulin or in enclosure during transportation - Maintain drainage systems, sumps and oil interceptors - Sort out chemical waste for proper handling and treatment onsite or offsite	P	P
• Adopt waste reduction measures as follows: - 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. - Allocate area for proper storage of construction materials to prevent contamination - Minimize wastage through careful planning and avoiding over-purchase of construction materials	✓	✓
• Store waste materials properly as follows: - Avoid contamination by proper handling and storing waste - Prevent erosion by covering waste - Apply water spray on excavated materials - Maintain and clean storage area regularly - Sort and stockpile different materials at designated location to enhance reuse	P	P
• 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).	✓	✓
• Hire licensed waste disposal contractors for waste collection and removal. Dispose waste at licensed waste disposal facilities.	✓	✓
• Implement trip-ticket system for recording the amount of waste generated, recycled and disposed, including chemical wastes	✓	✓
• 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	✓	✓

• Dispose dry waste or waste with less than 70% water content by weight to landfill	✓	✓
• Follow the Code of Practice on the Packaging, Labelling and Storage of Chemical Waste as follows: - Store chemical wastes with suitable containers. Seal and maintain the container to avoid leakage or spillage during storage, handling and transport - Label chemical waste containers in both English and Chinese with instructions in accordance to Schedule 2 of the Waste Disposal (Chemical Waste) (General) Regulation - The container capacity should be smaller than 450 litres unless agreed by the EPD	P	✓
• Comply with the requirement of the chemical storage area: - 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 - 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	P	P
• 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	✓	✓
• 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	✓	✓
• Hire reputable waste collector to separately collect and dispose general refuse from other wastes. Cover the waste to prevent being blown away	✓	✓
• The hauling of C&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	✓	✓
• 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.	✓	✓
• Organize training and reminders to site staff on waste minimization through avoidance and reduction, reusing and recycling	✓	✓
• Bentonite slurry which will not be reused shall be disposed of from the Site as soon as possible. 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.	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. • 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	✓	✓
• Carry out weekly site inspection to check the implementation status of the recommended waste management measures.	✓	✓
• The barging of C&DM for this Project shall use the existing Kai Tak Barging Facility (KTBF), or otherwise approved by the Director.	N/A	N/A

Ecology – Recommended Mitigation Measures

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

• Carry out weekly site inspection to check the implementation status and the effectiveness of the proposed mitigation measures	✓	✓

Landscape and Visual – Recommended Mitigation Measures

Landscape and Visual Mitigation Measures during construction	Implementation Status	
	KTSP	H/O
• Construction Lighting Control - 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).	✓	N/A
• Temporary Landscape Treatments - 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.	✓	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.	✓	✓
• Compensatory Tree Planting - 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.	N/A	N/A

Other – Recommended Mitigation Measures

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

Legend:
✓ Implemented
× Not implemented
P Partially implemented
N/A Not applicable

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 2021)	2	0	0
From commencement date of construction to end of reporting month	18	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	: **HK2117311**
CLIENT	: ENVIROTECH SERVICES CO.		
ADDRESS	: RM113, 1/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T. HONG KONG	SUB-BATCH	: 1
		DATE RECEIVED	: 29-APR-2021
		DATE OF ISSUE	: 11-MAY-2021
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 item(s) tested.
- Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Calibration was subcontracted to and analysed by Action United Enviro Services.

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

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

ALS Technichem (HK) Pty Ltd
Part of the ALS Laboratory Group
11/F, Chung Shun Knitting Centre 1 - 3 Wing Yip Street Kwai Chung N.T. Hong Kong
Tel. +852 2610 1044 Fax. +852 2610 2021 www.alsglobal.com

WORK ORDER : HK2117311
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : ----

ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2117311-001	S/N: 2Z6239	Equipments	29-Apr-2021	S/N: 2Z6239

Equipment Verification Report (TSP)

Equipment Calibrated:

Type:	Laser Dust monitor
Manufacturer:	Sibata LD-3B
Serial No.	2Z6239
Equipment Ref:	Nil
Job Order	HK2117311

Standard Equipment:

Standard Equipment:	Higher Volume Sampler (TSP)
Location & Location ID:	AUES office (calibration room)
Equipment Ref:	HVS 018
Last Calibration Date:	26 April 2021

Equipment Verification Results:

Verification Date: 7 May 2021

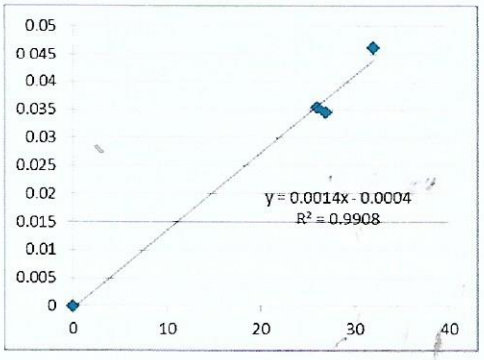
Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in mg/m³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
2hr	09:30 ~ 11:30	26.6	1013.2	0.046	3830	31.9
2hr01min	11:32 ~ 13:33	26.6	1013.2	0.035	3245	26.9
2hr10min	13:35 ~ 15:45	26.6	1013.2	0.036	3369	26.0

Linear Regression of Y or X

Slope (K-factor): 0.0014

Correlation Coefficient 0.9954

Date of Issue 10 May 2021



Remarks:

1. **Strong** Correlation (R>0.8)
2. Factor 0.0014 should be applied for TSP monitoring

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

Operator : Fai So Signature : Date : 10 May 2021

QC Reviewer : Ben Tam Signature : Date : 10 May 2021

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

SUB-CONTRACTING REPORT

CONTACT	: MR K.W. FAN	WORK ORDER	:	**HK2045301**
CLIENT	: **ENVIROTECH SERVICES CO.**			
ADDRESS	: RM113, 1/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T. HONG KONG	SUB-BATCH	:	1
		DATE RECEIVED	:	24-NOV-2020
		DATE OF ISSUE	:	30-NOV-2020
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 item(s) tested.**
- **Sample information (Project name, Sample ID, Sampling date/time, etc., if any) is provided by client.**
- **Calibration was subcontracted to and analysed by Action United Enviro Services.**

Signatories

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Signatories	*Position*
Richard Fung	Managing Director

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Tel. +852 2610 1044 Fax. +852 2610 2021 **www.alsglobal.com**

WORK ORDER : HK2045301
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : ----

ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2045301-001	S/N: 245833	Equipments	24-Nov-2020	S/N: 245833

Equipment Verification Report (TSP)

Equipment Calibrated:

Type:	Laser Dust monitor
Manufacturer:	Sibata LD-3B
Serial No.	245833
Equipment Ref:	Nil
Job Order	HK2045301

Standard Equipment:

Standard Equipment:	Higher Volume Sampler (TSP)
Location & Location ID:	AUES office (calibration room)
Equipment Ref:	HVS 018
Last Calibration Date:	8 October 2020

Equipment Verification Results:

Verification Date: 26 November 2020

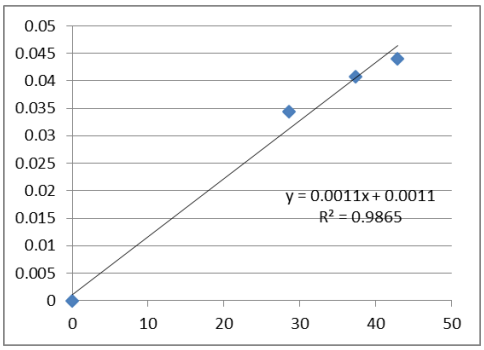
Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in mg/m^3 (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
2hr01min	09:18 ~ 11:19	24.0	1019.3	0.041	4525	37.3
2hr	11:22 ~ 13:22	24.0	1019.3	0.034	3430	28.6
2hr01min	13:25 ~ 15:26	24.0	1019.3	0.044	5196	42.9

Linear Regression of Y or X

Slope (K-factor): 0.0011

Correlation Coefficient 0.9932

Date of Issue 30 November 2020



Remarks:

1. **Strong** Correlation (R>0.8)
2. Factor 0.0011 should be applied for TSP monitoring

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

Operator : Fai So Signature : Date : 30 November 2020

QC Reviewer : Ben Tam Signature : Date : 30 November 2020

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

SUB-CONTRACTING REPORT

CONTACT	: MR K.W. FAN	WORK ORDER	:	**HK2045304**
CLIENT	: **ENVIROTECH SERVICES CO.**			
ADDRESS	: RM113, 1/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T. HONG KONG	SUB-BATCH	:	1
		DATE RECEIVED	:	24-NOV-2020
		DATE OF ISSUE	:	30-NOV-2020
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 item(s) tested.**
- **Sample information (Project name, Sample ID, Sampling date/time, etc., if any) is provided by client.**
- **Calibration was subcontracted to and analysed by Action United Enviro Services.**

Signatories

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Signatories	*Position*
Richard Fung	Managing Director

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WORK ORDER : HK2045304
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : ----

ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2045304-001	S/N: 276015	Equipments	24-Nov-2020	S/N: 276015

Equipment Verification Report (TSP)

Equipment Calibrated:

Type:	Laser Dust monitor
Manufacturer:	Sibata LD-3B
Serial No.	276015
Equipment Ref:	Nil
Job Order	HK2045304

Standard Equipment:

Standard Equipment:	Higher Volume Sampler (TSP)
Location & Location ID:	AUES office (calibration room)
Equipment Ref:	HVS 018
Last Calibration Date:	8 October 2020

Equipment Verification Results:

Verification Date: 26 November 2020

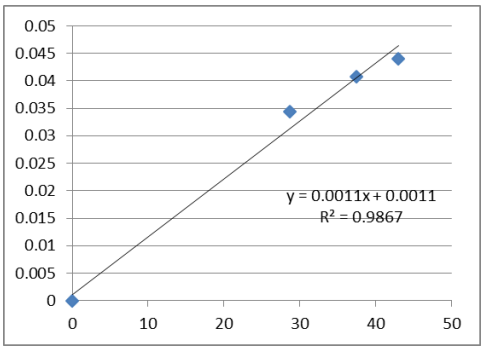
Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in mg/m^3 (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
2hr01min	09:18 ~ 11:19	24.0	1019.3	0.041	4541	37.5
2hr	11:22 ~ 13:22	24.0	1019.3	0.034	3443	28.7
2hr01min	13:25 ~ 15:26	24.0	1019.3	0.044	5211	43.0

Linear Regression of Y or X

Slope (K-factor): 0.0011

Correlation Coefficient 0.9933

Date of Issue 30 November 2020



Remarks:

1. **Strong** Correlation (R>0.8)
2. Factor 0.0011 should be applied for TSP monitoring

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

Operator : Fai So Signature : Date : 30 November 2020

QC Reviewer : Ben Tam Signature : Date : 30 November 2020

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

SUB-CONTRACTING REPORT

CONTACT	: MR K.W. FAN	WORK ORDER	: **HK2117310**
CLIENT	: ENVIROTECH SERVICES CO.		
ADDRESS	: RM113, 1/F, MY LOFT, 9 HOI WING ROAD, TUEN MUN, N.T. HONG KONG	SUB-BATCH	: 1
		DATE RECEIVED	: 29-APR-2021
		DATE OF ISSUE	: 11-MAY-2021
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 item(s) tested.
- Sample information (Project name, Sample ID, Sampling date/time, etc.) is provided by client.
- Calibration was subcontracted to and analysed by Action United Enviro Services.

Signatories

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Signatories	*Position*
Richard Fung	Managing Director

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WORK ORDER : HK2117310
SUB-BATCH : 1
CLIENT : ENVIROTECH SERVICES CO.
PROJECT : ---

ALS Lab ID	Client's Sample ID	Sample Type	Sample Date	External Lab Report No.
HK2117310-001	S/N: 276017	Equipments	29-Apr-2021	S/N: 276017

Equipment Verification Report (TSP)

Equipment Calibrated:

Type:	Laser Dust monitor
Manufacturer:	Sibata LD-3B
Serial No.	276017
Equipment Ref:	Nil
Job Order	HK2117310

Standard Equipment:

Standard Equipment:	Higher Volume Sampler (TSP)
Location & Location ID:	AUES office (calibration room)
Equipment Ref:	HVS 018
Last Calibration Date:	26 April 2021

Equipment Verification Results:

Verification Date: 7 May 2021

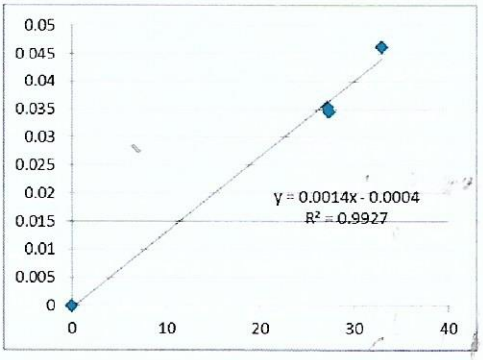
Hour	Time	Mean Temp °C	Mean Pressure (hPa)	Concentration in mg/m³ (Standard Equipment)	Total Count (Calibrated Equipment)	Count/Minute (Total Count/min)
2hr	09:30 ~ 11:30	26.6	1013.2	0.046	3951	32.9
2hr01min	11:32 ~ 13:33	26.6	1013.2	0.035	3293	27.3
2hr10min	13:35 ~ 15:45	26.6	1013.2	0.036	3519	27.2

Linear Regression of Y or X

Slope (K-factor): 0.0014

Correlation Coefficient 0.9963

Date of Issue 10 May 2021



Remarks:

1. **Strong** Correlation (R>0.8)
2. Factor 0.0014 should be applied for TSP monitoring

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

Operator : Fai So Signature : Date : 10 May 2021

QC Reviewer : Ben Tam Signature : Date : 10 May 2021

輝創工程有限公司
Sun Creation Engineering Limited
Calibration & Testing Laboratory

Certificate of Calibration
校正證書

Certificate No. : C210001
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC20-2688) Date of Receipt / 收件日期 : 18 December 2020

Description / 儀器名稱	:	Precision Acoustic Calibrator
Manufacturer / 製造商	:	LARSON DAVIS
Model No. / 型號	:	CAL200
Serial No. / 編號	:	11334
Supplied By / 委託者	:	Envirotech Services Co. Room 113, 1/F, My Loft, 9 Hoi Wing Road, Tuen Mun, New Territories, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (50 ± 25)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 2 January 2021

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification & user's specified acceptance criteria.
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
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies
- Fluke Everett Service Center, USA

Tested By 測試 : H T Wong, Assistant Engineer

Certified By 核證 : K C Lee, Engineer

Date of Issue 簽發日期 : 4 January 2021

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一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: 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. : C210001
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	Description	Certificate No.
CL130	Universal Counter	C203952
CL281	Multifunction Acoustic Calibrator	CDK1806821
TST150A	Measuring Amplifier	C201309

4. Test procedure : MA100N.

5. Results :

5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	User's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	93.7	± 0.5	± 0.2
114 dB, 1 kHz	113.7		

5.2 Frequency Accuracy

UUT Nominal Value (kHz)	Measured Value (kHz)	Mfr's Spec.	Uncertainty of Measured Value (Hz)
1	1.000	1 kHz ± 1 %	± 1

Remarks : - The user's specified acceptance criteria (user's spec.) is a customer pre-defined operating tolerance of the UUT, suitable for one's own intended use.

- 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.

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一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: 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. : C213255
證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號 : IC21-1016) Date of Receipt / 收件日期 : 24 May 2021

Description / 儀器名稱	:	Sound Level Meter
Manufacturer / 製造商	:	Rion
Model No. / 型號	:	NL-52
Serial No. / 編號	:	00131627
Supplied By / 委託者	:	Envirotech Services Co. Room 113, 1/F, My Loft, 9 Hoi Wing Road, Tuen Mun, New Territories, Hong Kong

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Relative Humidity / 相對濕度 : (50 ± 25)%
Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 4 June 2021

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only.
The results do not exceed manufacturer's specification.
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 : Cheuk
K P Cheuk
Project Engineer

Certified By 核證 :
K C Lee
Engineer

Date of Issue 簽發日期 : 9 June 2021

Certificate of Calibration
校正證書

Certificate No. : C213255
證書編號

1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.

2. Self-calibration was performed before the test.

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

4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C210084
CL281	Multifunction Acoustic Calibrator	AV210017

5. Test procedure : MA101N.

6. Results :

6.1 Sound Pressure Level

6.1.1 Reference Sound Pressure Level

UUT Setting				Applied Value		UUT	IEC 61672
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Class 1 Spec. (dB)
30 - 130	L_A	A	Fast	94.00	1	94.2	± 1.1

6.1.2 Linearity

UUT Setting				Applied Value		UUT
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)
30 - 130	L_A	A	Fast	94.00	1	94.2 (Ref.)
				104.00		104.2
				114.00		114.2

IEC 61672 Class 1 Spec. : ± 0.6 dB per 10 dB step and ± 1.1 dB for overall different.

6.2 Time Weighting

UUT Setting				Applied Value		UUT	IEC 61672
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Class 1 Spec. (dB)
30 - 130	L_A	A	Fast	94.00	1	94.2	Ref.
			Slow			94.2	± 0.3

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Certificate of Calibration
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Certificate No. : C213255
證書編號

6.3 Frequency Weighting

6.3.1 A-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
30 - 130	L_A	A	Fast	94.00	63 Hz	68.0	-26.2 ± 1.5
					125 Hz	78.0	-16.1 ± 1.5
					250 Hz	85.5	-8.6 ± 1.4
					500 Hz	91.0	-3.2 ± 1.4
					1 kHz	94.2	Ref.
					2 kHz	95.4	+1.2 ± 1.6
					4 kHz	95.2	+1.0 ± 1.6
					8 kHz	93.2	-1.1 (+2.1 ; -3.1)
					16 kHz	86.2	-6.6 (+3.5 ; -17.0)

6.3.2 C-Weighting

UUT Setting				Applied Value		UUT Reading (dB)	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq.		
30 - 130	L_C	C	Fast	94.00	63 Hz	93.3	-0.8 ± 1.5
					125 Hz	94.0	-0.2 ± 1.5
					250 Hz	94.2	0.0 ± 1.4
					500 Hz	94.2	0.0 ± 1.4
					1 kHz	94.2	Ref.
					2 kHz	94.0	-0.2 ± 1.6
					4 kHz	93.4	-0.8 ± 1.6
					8 kHz	91.3	-3.0 (+2.1 ; -3.1)
					16 kHz	84.3	-8.5 (+3.5 ; -17.0)

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Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: 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. : C213255
證書編號

Remarks : - UUT Microphone Model No. : UC-59 & S/N : 10446

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :

94 dB	: 63 Hz - 125 Hz	: ± 0.35 dB
	250 Hz - 500 Hz	: ± 0.30 dB
	1 kHz	: ± 0.20 dB
	2 kHz - 4 kHz	: ± 0.35 dB
	8 kHz	: ± 0.45 dB
	16 kHz	: ± 0.70 dB
104 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)
114 dB	: 1 kHz	: ± 0.10 dB (Ref. 94 dB)

- 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.

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一號四樓
Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com

Appendix L. Complaint Investigation Report

Complaint Investigation Report

RECEIPT OF COMPLAINT		**Ref: COM_0017**
Date:	1 November 2021	
Time:	15:06	
From:	PS Chan (Hip Hing Construction Co., Ltd)	
Via:	Email	
Contact no.:	-	

COMPLAINANT			
Name:	-	Address:	-
Contact no.:	-		

DETAILS OF COMPLAINT

Date: 31 October 2021

Time: -

Parameter:* ~~Dust~~ Noise ~~Water~~ ~~Other (specify):~~

Description:

- Complaint of noise nuisance arising from the truss delivery operation in nighttime affecting the residents of the Grand Waterfront.
- Please ensure the works fulfill the relevant environmental legislation and conditions stipulated in the valid construction noise permit.
- Please take necessary measures to minimize the environmental nuisance arising from the construction site.

INVESTIGATION RESULT & RESPONSE

ET, IEC and SOR notified on: 1 November 2021

Investigation conducted on: 2 and 3 November 2021

Result of investigation:

Complaint investigation was carried out on 2 and 3 November 2021, the results of investigation were summarized as following:

According to the complaint information, the concerned residential building was located at Grand Waterfront. (See attached location plan)

According to the contractor information, there were no truss delivery work conducted on the complaint date (i.e. 31 October 2021.) There were two nighttime truss delivery works carried out during the concerned week under the Construction Noise Permit **(Ref. No. GW-RE0902-21)** requirement:

(i) 29 October 2021, 20:00– 00:00; and (ii) 30 October 2021, 20:00-00:00

Noise mitigation control measures implemented on site included:

1. Noise barrier not less than 2m had been provided on site between the truss delivery working area and the Grand Waterfront according to the CNP requirement. (photos 1a and 1b)
2. Noise insulating fabric implemented on moving trailer during nighttime truss delivery work. (photos 2a and 2b)

In conclusion, noise control mitigation measures at the truss delivery port have been well implemented. All nighttime truss delivery operation works have been fulfilling the relevant environmental legislation and CNP requirement during the concerned period. The contractor was reminded to maintain all necessary noise mitigation measures to minimise any potential noise nuisance to nearby residential during the nighttime truss delivery operation.

RECOMMENDATIONS / MITIGATION MEASURES / ACTIONS

Environmental mitigation measures have been maintained as follow:

1. The truss delivery works have been scheduled in the daytime as much as practicable to minimise the noise nuisance at nighttime. (photo 3)
2. Advance notification of nighttime truss delivery work has been issued to nearby residential according to the CNP requirement. (photo 4)

3. Pre work briefing has been provided to ensure the compliance of CNP requirement to minimise potential noise nuisance during the truss delivery. (photo 5)			
Prepared by:	Sunny Chan	Title:	Environmental Team Leader
Signature:		Date:	8 November 2021

Attachment:

1. Record of Construction Noise Permit - GW-RE0902-21
2. Location Plan of the KTSP Truss Delivery Boundary
3. Photo Records

本署檔案
OUR REF : (5) in EP631/K10/RE470967-21
來函檔案
YOUR REF :
電　話
TEL NO : 2150 8081
圖文傳真
FAX NO : 2402 8275
網　址
HOMEPAGE : http://www.epd.gov.hk/

Environmental Protection Department
Environmental Compliance Division
Regional Office (East)
8/F., Cheung Sha Wan Government Offices,
303 Cheung Sha Wan Road,
Kowloon

環境保護署
環保法規管理科
區域辦事處(東)
九龍長沙灣道 303 號
長沙灣政府合署 8 樓

Registered Post

10 September 2021

To: HIP HING ENGINEERING COMPANY LIMITED
11/F., Chevalier Commercial Centre,
8 Wang Hoi Road,
Kowloon Bay,
Kowloon

Dear Sir,

Advance notification to nearby residents in respect of works at Construction site of Kai Tak Sports Park (truss delivery port), Kai Tak, Kowloon under Construction Noise Permit No. GW-RE0902-21

In connection with our Notice of Issue ref. (4) in EP631/K10/RE470967-21 dated 10 September 2021 of the captioned construction noise permit, please be advised that the permit was issued under a consideration of unavoidable constraints on working hours at the construction site concerned. Notwithstanding the noise control measures specified in the permit, the noise produced by the works is expected to exceed the statutory noise limit, thus causing disturbance to the nearby residents. This may result in noise complaints which may affect the image of your company.

As a measure to alert the affected persons, and to help maintain good public relations and reduce noise complaints, you are strongly advised to notify the nearby residents by providing details such as dates and hours of operation, location and nature of works, and contact telephone numbers to them a few days in advance of the construction. A sample notice to be posted to residential building notice boards is attached for your use. Please also send a copy of the notice to the undersigned by facsimile for our information a few days prior to the commencement of the construction.

Your cooperation in this matter is highly appreciated.

Yours faithfully,

(TANG Wai-man, Lisa)
Environmental Protection Officer
for Director of Environmental Protection

c.c. Home Affairs Bureau
[Attn: Mr. XU Wei Hao (E(RS))]
(Fax no. 3586 0591)

(5) in EP631/K10/RE470967-21

2150 8081
2402 8275

掛號函件

致： 九龍 九龍灣
宏開道 8 號
其士商業中心 11 樓
協興工程有限公司

執事先生：

根據「建築噪音許可證第 GW-RE0902-21 號」
於九龍啟德啟德體育園的建築地盤(桁架卸貨港)進行工程前預先知會附近居民

本辦事處在二零二一年九月十日發信(檔號(4) in EP631/K10/RE470967-21)通知你，上述「建築噪音許可證」已經發出，就此再函說明，我們是鑑於貴方在有關工地的施工時間難免受限制，因而簽發該許可證。儘管許可證上已列各項噪音控制措施，但工程產生的噪音，預計仍會超出法定噪音規限，滋擾鄰近住戶，或有可能引起噪音滋擾投訴，影響貴公司的形象。

為方便受影響的人士察覺有關的情況，並保持良好的公共關係，減少噪音滋擾投訴，本處籲請你在施工前數天知會鄰戶，說明工程的詳情，例如進行工程的日期和時間、工程的地點和性質，以及查詢的電話號碼。隨函夾附可供在住宅大廈告示板上張貼的告示式樣，以供參考。此外，請在進行工程前數天，以傳真方式交來告示副本備閱。

多謝合作。

環境保護署署長

(鄧慧敏 代行)

副本送： 民政事務局
[經辦人：徐維浩 先生(工程師(康樂及體育))]
(傳真號碼：3586 0591)

二零二一年九月十日

Notice to Affected Residents
(SAMPLE)

(DATE)

Dear Residents,

I am writing to let you know that we will be carrying out_____

_____ in the vicinity of

(Nature of works : e.g. drainage maintenance works)

_____ during the

(Location : e.g. XYZ Street between ABC Road and DEY Road)

hours of _____ from _____ to _____.

(e.g. 10:00 pm to 1:00 am) (Period : e.g. 15 January 2015 to 18 January 2015)

I wish to apologize for the inconvenience that this may cause you while I am sure you will understand that such works are an integral part of providing essential services to you and other residents in your neighbourhood.

You may like to note that it is not possible for us to conduct the works during the day time hours due to _____.

(Reasons : e.g. traffic conditions)

Please be assured that we will carry out the works as quickly as possible with due regard to the noise intrusion which may result. We will also be adopting noise mitigation measures such as _____.

(e.g. low noise generator enclosed by an acoustical enclosure)

If you have any enquiries regarding the works, please feel free to contact our _____

(Representative : e.g. works supervisor, Mr. A.B. Cee at Mobile Phone or Pager No. or Mr. E.F. Gee, engineer at Phone : xxxx-yyyy)

Yours truly,

(NAME)
(POST)
(NAME OF COMPANY)

c.c. EPD (Attn.: CI(RE)5 - Fax No.: 2756 8588)

致受影響居民的通知書

(樣本)

各位居民 ：

現來信通知由＿＿年＿月＿日至＿＿年＿月＿日＿＿＿＿時至＿＿＿＿時在
(時期：例如 2015 年 1 月 15 日至 2015 年 1 月 18 日 (例如晚上 10 時至零晨 1 時)

＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿
(位置：例如 ABC 道與 DEF 道之間的 XYZ 街)

附近進行＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿。
(工作性質: 例 如 排 水 渠 維 修 工 程)

本公司對因這些工程造成的不便表示歉意，而深信閣下明白這些工程是為閣下及其他鄰近居民提供重要服務中的重要一環。

在日間由於＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿，本公司無法進行上述工程，
(理由：例如交通情況)

但本公司保證盡快進行上述工程，並注意可能造成的噪音。本公司亦會採取噪音紓緩措施如＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿。
(例如由隔聲圍封物圍封低噪音產生器)

如對上述工程有任何疑問，請聯絡＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿
[代表：例如工程主管，ABC 先生 (手提

＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿。
電話號碼或傳呼號碼) 或工程師 EFG 先生，電話號碼，xxxx-yyyy]

＿＿＿＿＿＿＿＿＿＿
公司名稱

＿＿＿＿＿＿＿＿＿＿
職位

＿＿＿＿＿＿＿＿＿＿
姓名

副本送：環境保護署 (CI(RE)5 - 傳真號碼: 2756 8588)

本署檔案
OUR REF : (4) in EP631/K10/RE470967-21
來函檔案
YOUR REF :
電　話
TEL NO : 2150 8081
圖文傳真
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Environmental Protection Department
Environmental Compliance Division
Regional Office (East)
8/F., Cheung Sha Wan Government Offices,
303 Cheung Sha Wan Road,
Kowloon

環境保護署
環保法規管理科
區域辦事處(東)
九龍長沙灣道 303 號
長沙灣政府合署 8 樓

Registered Post

10 September 2021

To: HIP HING ENGINEERING COMPANY LIMITED
11/F., Chevalier Commercial Centre,
8 Wang Hoi Road,
Kowloon Bay,
Kowloon

Dear Sir,

Notice of Issue of Construction Noise Permit pursuant to section 8(6) of the Noise Control Ordinance (Cap. 400)

I write to inform you that, under section 8(6) of the Noise Control Ordinance, the Authority has decided to issue a construction noise permit in respect of your application, which was received by the Authority on 25 August 2021, **for the use of powered mechanical equipment for carrying out construction work at Construction site of Kai Tak Sports Park (truss delivery port), Kai Tak, Kowloon.**

The construction noise permit No. GW-RE0902-21 is enclosed.

Please note that a condition concerning **online submission of advance notification of work** to the Authority has been incorporated into this construction noise permit. You are strongly advised to read the conditions of the permit carefully and to ensure compliance with these conditions. Any breaching of the conditions may lead to cancellation of the permit, **subsequent prosecution action** and/or the Authority's refusal to issue further permit for the above construction site.

Yours faithfully,

(TANG Wai-man, Lisa)
for Authority

Note:

Electronic submission of application for construction noise permit is available at Environmental Protection Department's website. File attachments with total size not exceeding 20 MB in acceptable format are allowed for electronic submission. Electronic application form can be downloaded from our website (https://epic.epd.gov.hk/eForm/ChangeLanguage.do?language=eng&url=/pages/datadownload/downloadMain.jsp) and an overview of application submission (https://epic.epd.gov.hk/eForm/introduce.html) is provided for more information.

(4) in EP631/K10/RE470967-21

2150 8081
2402 8275

掛號函件

致： 九龍 九龍灣
宏開道 8 號
其士商業中心 11 樓
協興工程有限公司

執事先生：

根據《噪音管制條例(第 400 章)》第 8(6)條
發出的通知書 — 簽發「建築噪音許可證」

本監督於二零二一年八月二十五日，收到你擬於下述地址：**九龍啟德啟德體育園的建築地盤(桁架卸貨港)，使用機動設備進行建築工程**而提出的「建築噪音許可證」申請，現根據《噪音管制條例》第 8(6)條的規定通知你，上述的申請已被批准。

隨函附上「第 GW-RE0902-21 號建築噪音許可證」。

請注意，有關**施工前於網上預先通知**本監督的要求已納入本建築噪音許可證的條件。請細閱及確保遵守許可證各項條件。如有違反，本監督可撤銷許可證、**提出檢控**及/或拒絕再就上述地盤簽發任何「建築噪音許可證」。

監 督

(鄧慧敏 代行)

二零二一年九月十日

注意:
環境保護署提供網上申請「建築噪音許可證」服務。網上申請容許上傳檔案總容量不大於 20 MB 的有關文件。可於本署網頁下載電子表格 (https://epic.epd.gov.hk/eForm/ChangeLanguage.do?language=eng&url=/pages/datadownload/downloadMain.jsp) 及參閱電子表格提交服務概覽(https://epic.epd.gov.hk/eForm/introduce.html)，了解更多資料。

表格 3 [第5(a)條]

噪音管制條例
(第400章)
第8(9)條

建築噪音許可證
為進行建築工程（撞擊式打樁除外）而使用機動設備及／或進行訂明建築工程

建築噪音許可證編號：GW-RE0902-21

致：協興工程有限公司

本建築噪音許可證是按照《噪音管制條例》第8條的規定而發出的。現准予使用機動設備以進行撞擊式打樁工程以外的建築工程及／或進行訂明建築工程，但須受以下條件規限。若不按照該等條件進行建築工程，許可證可遭撤銷，而且會受到檢控。

條　件

1. 可使用機動設備及／或進行訂明建築工程的建築地盤：

詳細地址：九龍啟德啟德體育園的建築地盤(拆架卸貨港)。

地段編號：---

地盤範圍(即可使用機動設備及進行訂明建築工程的地方範圍)已描劃於夾附的圖則上，而該圖則是本建築噪音許可證的一部分。

2. 該地盤部~~分~~／全部*位於指定範圍之~~內~~／外*。

3. 機動設備

a. 在地盤範圍內可使用的各項機動設備：

各項機動設備的識辨代碼(如適用的話)		*各項機動設備的說明*	*數目*
A組	---	自行式拖車	陸
	---	發電機，備有優質機動設備標籤顯示聲功率級≦94分貝(A)	壹
B組	CNP 048	起重機，流動(油渣)	壹
	---	發電機，備有優質機動設備標籤顯示聲功率級≦94分貝(A)	壹
	---	平頂躉船	壹
	CNP 221	拖船	壹

b. 可使用機動設備的建築噪音許可證有效期：

生效日期及時間：二零二一年九月十五日　下午七時

日期及時間：公眾假日(包括星期日)的凌晨零時至晚上十二時，公眾假日以外的任何一日凌晨零時至上午七時及下午七時至晚上十二時。

此部分許可證屆滿日期及時間：二零二一年十一月三十日　晚上十二時

日期　時間

c. 建築地盤須備有本建築噪音許可證所述每件機動設備的照片各一幀，供監督隨時查看；該等照片須經監督認可。

d. 規限使用機動設備的其他條件：

請參見附頁有關本建築噪音許可證的規限條件。該條件是鑒於本建築噪音許可證屬**特別個案**而註明的，而該特別個案是施工時段**受潮汐限制**。

4. 訂明建築工程

a. 在地盤範圍內可進行的訂明建築工程：

訂明建築工程的識辨代碼	*訂明建築工程的類別的說明*
	不適用

b. 可進行訂明建築工程的建築噪音許可證有效期：

生效日期及時間：不適用

日期及時間：不適用。

此部分許可證屆滿日期及時間：不適用

日期　　時間

c. ~~本許可證可夾附經監督認可的地盤圖則，以顯示本許可證准予進行訂明建築工程的點。該地盤圖則須存放於建築地盤供監督隨時查看。~~

d. 規限進行訂明建築工程的其他條件：

5. 本建築噪音許可證或其副本必須展示於建築地盤的所有車輛入口處，給予公眾人士參閱。

日期：2021 年 09 月 10 日

簽署：

監督

(鄧慧敏　代行)

* 刪去不適用者

FORM 3 [reg.5(a)]
NOISE CONTROL ORDINANCE
(Chapter 400)
SECTION 8(9)

CONSTRUCTION NOISE PERMIT FOR THE USE OF POWERED MECHANICAL EQUIPMENT FOR THE PURPOSE OF CARRYING OUT CONSTRUCTION WORK OTHER THAN PERCUSSIVE PILING AND/OR THE CARRYING OUT OF PRESCRIBED CONSTRUCTION WORK

CONSTRUCTION NOISE PERMIT NO. GW-RE0902-21

To : HIP HING ENGINEERING COMPANY LIMITED

This construction noise permit is issued in accordance with section 8 of the Noise Control Ordinance. Permission is granted for the use of powered mechanical equipment for the purpose of carrying out construction work other than percussive piling and/or the carrying out of prescribed construction work, subject to the conditions set out below. The carrying out of construction work otherwise than in accordance with the conditions may result in the permit being cancelled and in a prosecution for an offence.

CONDITIONS

1. Construction site where the powered mechanical equipment and/or prescribed construction work may be employed:

   Full address: Construction site of Kai Tak Sports Park (truss delivery port), Kai Tak, Kowloon.

   Lot No.: ---

   The site boundary, that is, the boundary of the area within which the powered mechanical equipment may be used and the prescribed construction work may be carried out is delineated on the attached plan which forms part of this construction noise permit.

2. * ~~PART~~/WHOLE of the site falls * ~~WITHIN~~/OUTSIDE a designated area.

3. Powered Mechanical Equipment

   a. Items of powered mechanical equipment which may be used inside the site boundary :

Identification code of item of powered mechanical equipment (if applicable)		*Description of item of powered mechanical equipment*	*No. of units*
Group A	---	Self-propelled trailer	Six
	---	Generator, with Quality Powered Mechanical Equipment Label showing a Sound Power Level ≤94 dB(A)	One
Group B	CNP 048	Crane, mobile (diesel)	One
	---	Generator, with Quality Powered Mechanical Equipment Label showing a Sound Power Level ≤94 dB(A)	One
	---	Flat top barge	One
	CNP 221	Tug boat	One

   b. Validity of the construction noise permit for the use of the powered mechanical equipment:

   Date and time of commencement : 15 September 2021 at 1900 hours

   Days and hours : 0000-2400 hours on general holidays (including Sundays), 0000-0700 hours and 1900-2400 hours on any day not being a general holiday.

   This part of the permit expires on : 30 November 2021 at 2400 hours

   c. One photograph, endorsed by the Authority, of each item of powered mechanical equipment described in this construction noise permit is required to be kept on the construction site and made available for inspection by the Authority.

   d. Other conditions imposed on the use of the powered mechanical equipment:

   Please refer to attached sheet for conditions imposed for this construction noise permit which is issued as a **special case** due to constraints on working hours **governed by tidal conditions**.

4. Prescribed Construction Work

a. Type of prescribed construction work which may be carried out inside the site boundary:

Identification code of type of prescribed construction work	*Description of type of prescribed construction work*
	Not applicable

b. Validity of the construction noise permit for the carrying out of the prescribed construction work:

Date and time of commencement : Not applicable at Not applicable

Date and hours : Not applicable.

This part of the permit expires on : Not applicable at Not applicable

c. ~~Site layout plan(s), endorsed by the Authority, may be attached with the permit to indicate the locations permitted for the carrying out of prescribed construction work described in this permit. The layout plan(s) is(are) required to be kept on the construction site and made available for inspection by the Authority.~~

d. Other conditions imposed on the carrying out of the prescribed construction work:

5. This construction noise permit or a copy thereof must be displayed on the construction site at all vehicular entrances for public information.

Dated this 10th day of September 2021

Signed :

(TANG Wai-man, Lisa)
for Authority

* Delete as necessary

SPECIAL CASE -due to constraints on working hours governed by tidal conditions
特別個案 – 施工時段受潮汐限制

Sheet attached to Construction Noise Permit
No. GW-RE0902-21

3.d. Other conditions imposed on the use of the powered mechanical equipment:

1. The powered mechanical equipment shall not be used more than **10 days** during the validity period of this Construction Noise Permit.

2. All care shall be taken to ensure that the construction work is carried out as quickly as possible with due regard for the potential noise intrusion which may result.

3. Only one group of the powered mechanical equipment listed in condition 3.a shall be allowed to operate at any time.

4. The mobile crane (diesel) (CNP 048) shall be operated at the location as marked on the attached plan.

5. The power generating part of Self-propelled trailer shall be enclosed by a canvas acoustic shroud of vinyl sheets or equivalent.

6. Noise barrier with minimum 2 metres high shall be installed at the location as marked on the attached plan.

7. The powered mechanical equipment covered by this Construction Noise Permit shall not be operated when any powered mechanical equipment covered by the Construction Noise Permit No. GW-RE0598-21 and GW-RE0833-21 is being operated.

8. All flaps and panels of the generator shall be closed during operation.

9. All idling powered mechanical equipment shall be switched off.

10. Portable phones or walkie-talkies with headphones shall be used for site communication. No whistles, horns and loudspeakers shall be used. No shouting shall be allowed.

11. The construction work in relation to this Construction Noise Permit shall only be carried out with prior notification to the Authority of the location, date and time of the work as well as the details of work program (including the date and time for carrying out different phases or sequence of work) etc. Such notification shall be made by logging in the following webpage (http://cnp-advancenotification.hk) and submitting all information required. Such notification shall be made within 14 days but no less than 48 hours before commencement of work for every work location.

Signed : _____

(TANG Wai-man, Lisa)
for Authority

SPECIAL CASE -due to constraints on working hours governed by tidal conditions
特別個案 – 施工時段受潮汐限制

建築噪音許可證
編號 GW-RE0902-21 的附頁

3. d. 規限使用機動設備的其他條件：

1. 祇可在此建築噪音許可證的有效期內使用機動設備不超過十天。
2. 本許可證持有人必須確保竭力從速完成該等建築工程，並小心防範會引起的噪音干擾。
3. 在任何時間內，祇可使用列在條件 3. a 內的其中一組機動設備。
4. 流動起重機(油渣) (CNP 048)必須在附圖上標示的位置操作。
5. 自行式拖車的動力產生部份必須用合成隔音屏障或同等物料圍封。
6. 必須在附圖上標示的位置上裝設高度不低於 2 米的隔音屏障。
7. 當建築噪音許可證編號 GW-RE0598-21 及 GW-RE0833-21 內的任何機動設備正在操作時，不可操作本建築噪音許可證內的機動設備。
8. 發電機的所有覆蓋及嵌板於操作時必須關閉。
9. 關掉所有空轉的機動設備。
10. 地盤通訊必須使用手提電話或連耳筒對講機，不准使用哨子、號角及擴音器，不准喧嘩。
11. 在進行此建築噪音許可證內所載列的建築工程時，必須確保就每個施工地點於施工前 48 小時至施工前 14 日內，登入以下網上平台 (http://cnp-advancenotification.hk/tc) 並就每個施工地點於施工前 48 小時至施工前 14 日內填妥及提交有關施工地點、日期及時間、及施工程序安排(包括不同階段或工序施工日期及時間的安排)等所需資料。

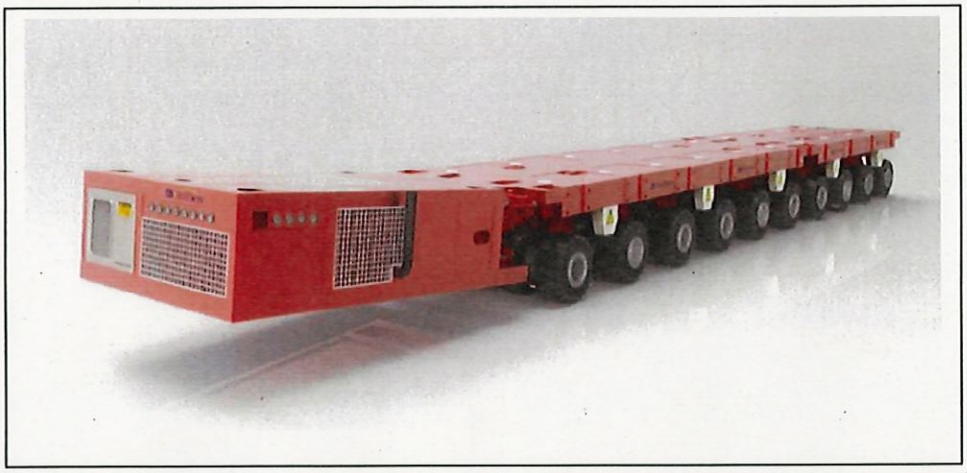
鄧慧敏

簽署：_____

監督

(鄧慧敏　代行)

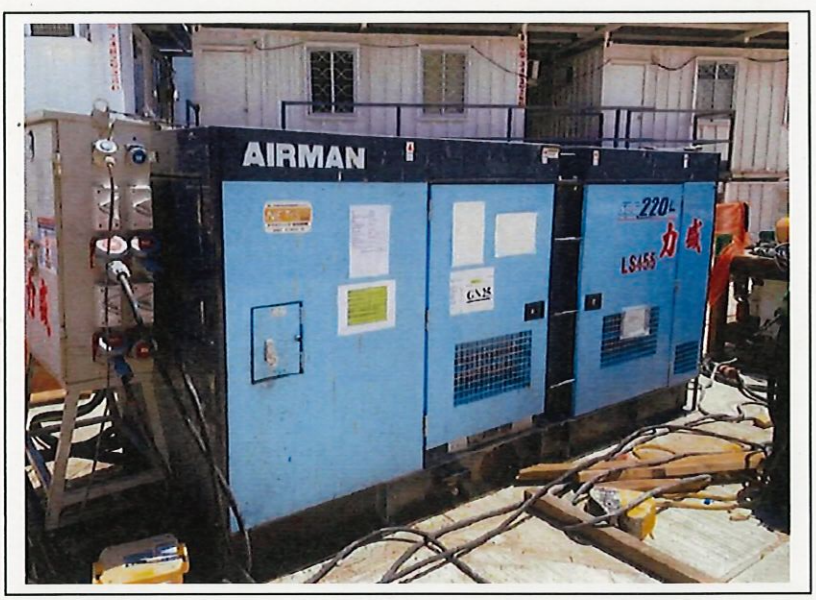
Photograph(s) attached to Construction Noise Permit No. GW-RE0902-21
建築噪音許可證編號：GW-RE0902-21 的照片



Self-propelled trailer
自行式拖車

CNP 048 Crane, mobile (diesel)
起重機，流動 (油渣)

Photograph(s) attached to Construction Noise Permit No. GW-RE0902-21
建築噪音許可證編號：GW-RE0902-21 的照片



Generator, with Quality Powered Mechanical Equipment Label showing a Sound Power Level ≦94 dB(A)
發電機，備有優質機動設備標籤顯示聲功率級≦94 分貝(A)

Noise barrier
隔音屏障

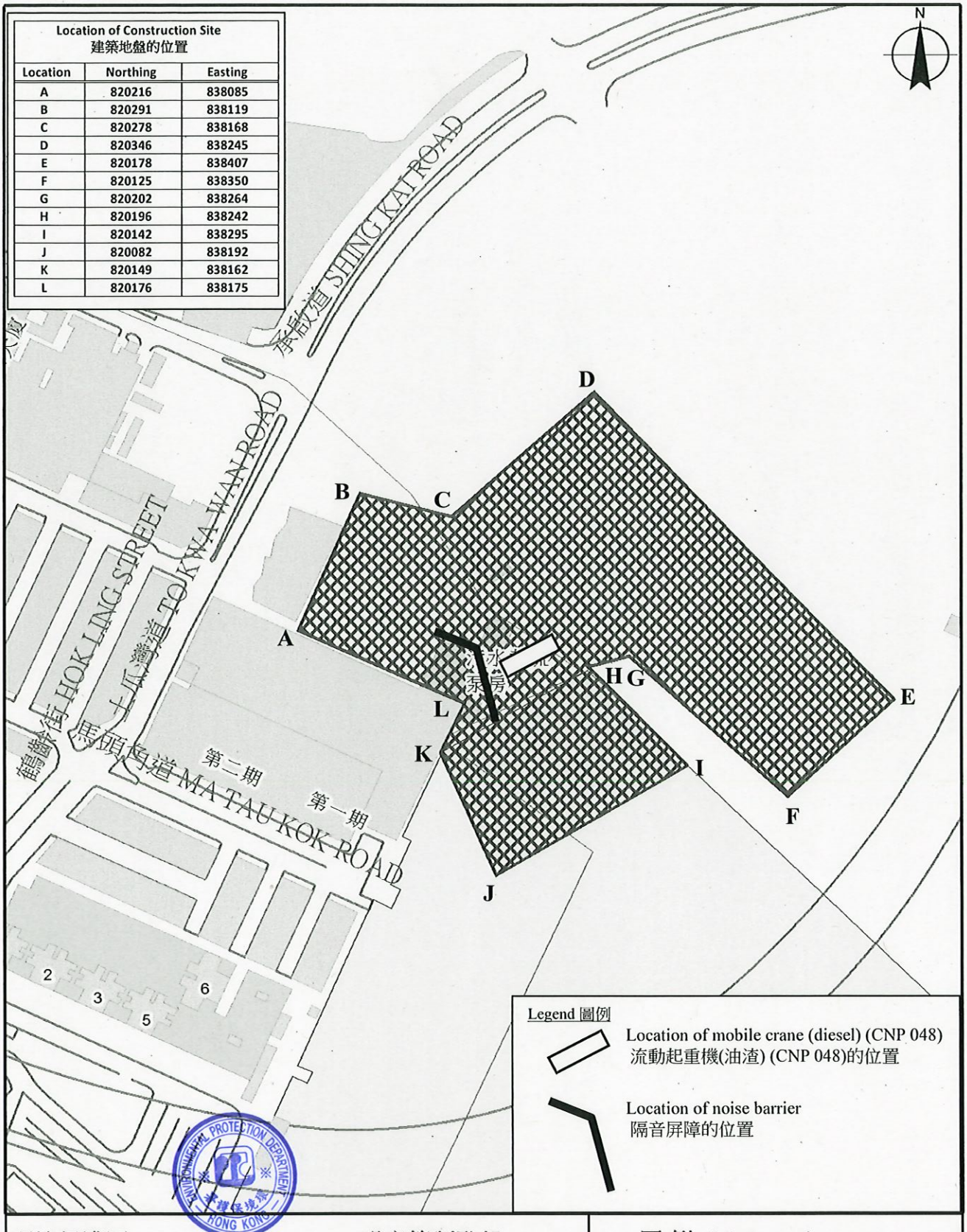
Photograph(s) attached to Construction Noise Permit No. GW-RE0902-21
建築噪音許可證編號：GW-RE0902-21 的照片

Flat top barge
平頂躉船

CNP 221 Tug boat
拖船

ENVIRONMENTAL PROTECTION DEPARTMENT
環境保護署
HONG KONG

Location of Construction Site 建築地盤的位置		
Location	Northing	Easting
A	820216	838085
B	820291	838119
C	820278	838168
D	820346	838245
E	820178	838407
F	820125	838350
G	820202	838264
H	820196	838242
I	820142	838295
J	820082	838192
K	820149	838162
L	820176	838175



環境保護署 噪音管制監督

Environmental Protection Department Noise Control Authority

圖例 Legend

建築地盤 Construction Site

建築噪音許可證編號 GW-RE0902-21 的附圖

Plan attached to Construction Noise Permit No. GW-RE0902-21

比例 Scale 1:3,000

米Meters

0 15 30 60 90

Location Plan of the KTSP Truss Delivery Boundary

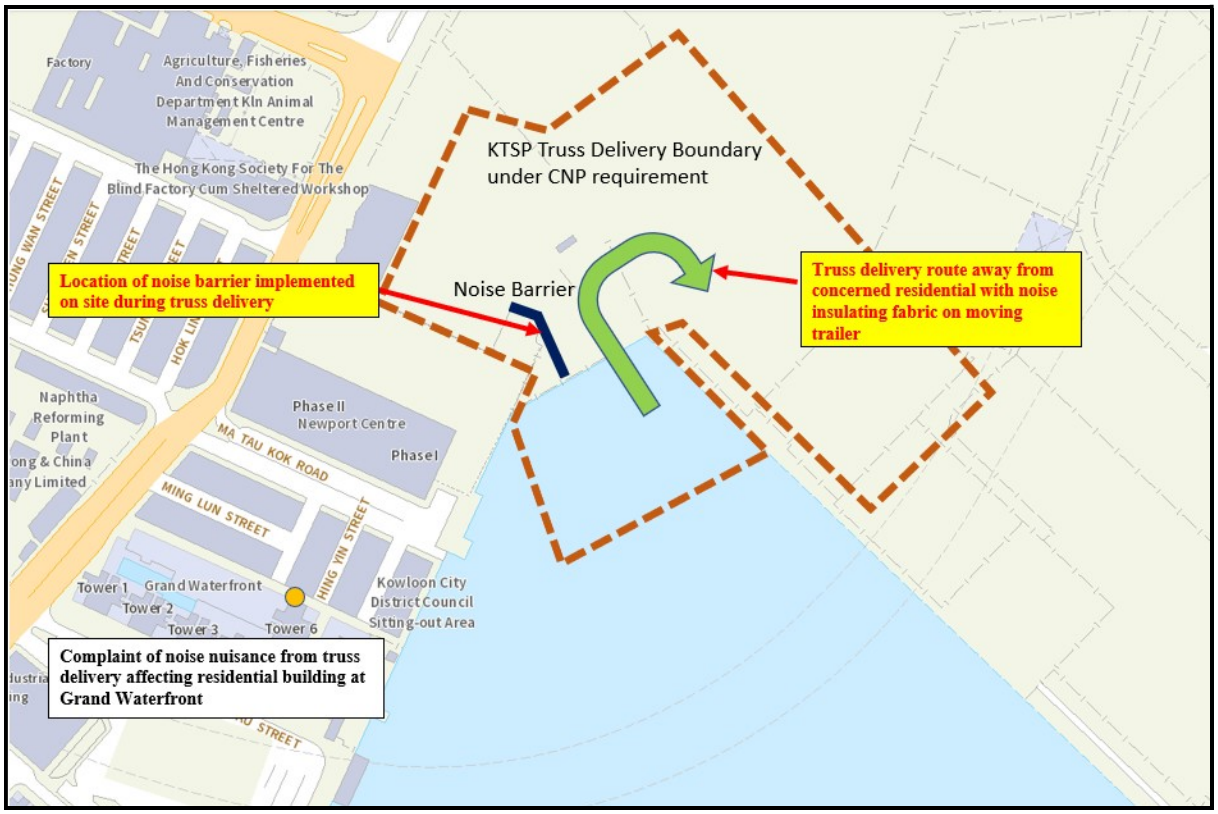


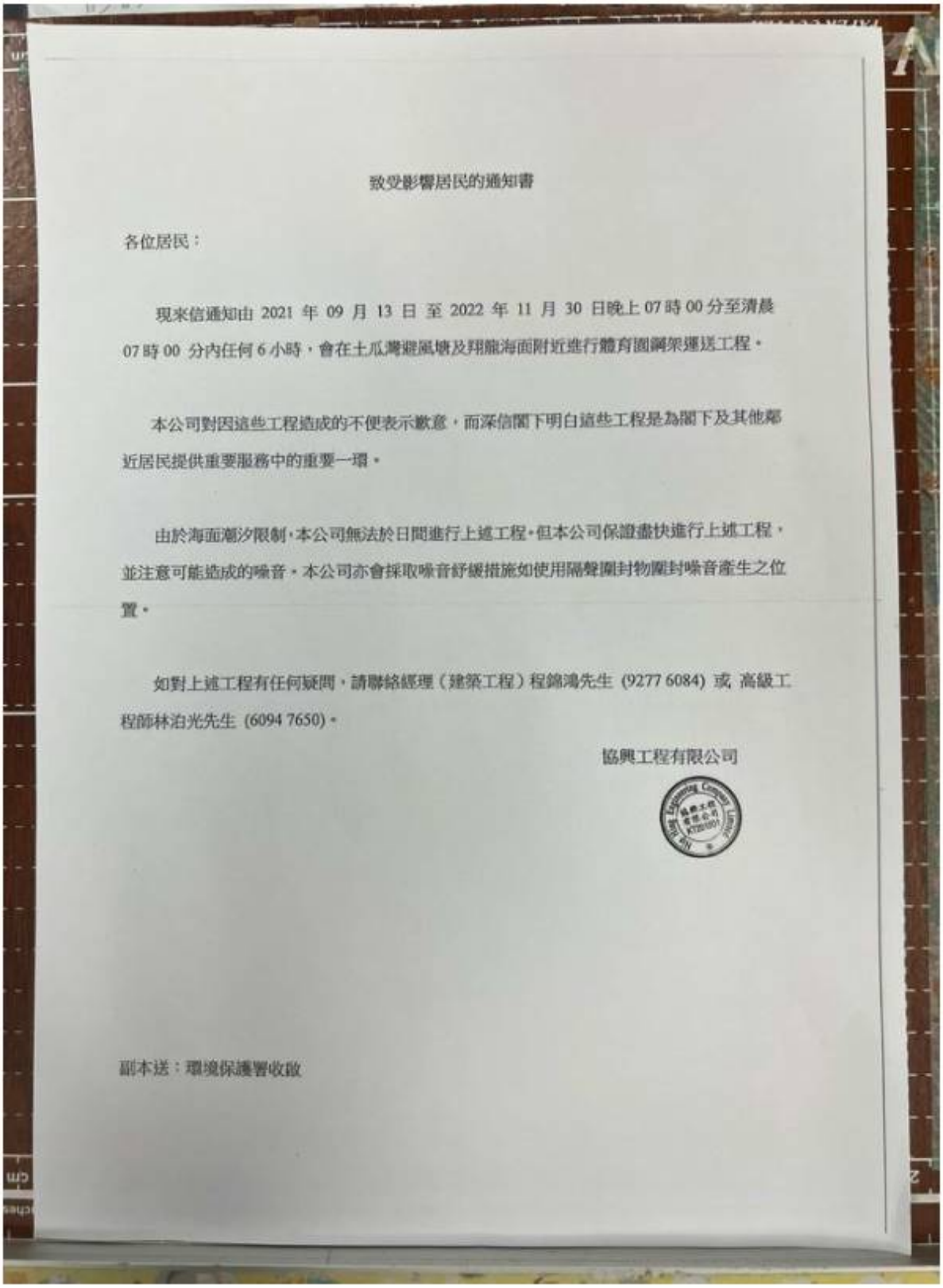
Photo Records:

Environmental Measure Implemented:

Photos 1a and 1b:
Noise barrier not less than 2m had been provided on site between the truss delivery working area and the Grand Waterfront according to the Construction Noise Permit (Ref. No. GW-RE0902-21) requirement. **(2 November 2021)**

Photos 2a and 2b:
Noise insulating fabric implemented on moving trailer according to the CNP requirement.

Photo 3: The truss delivery works have been scheduled in the daytime as much as practicable to minimize the noise nuisance at nighttime. (**3 November 2021**)



致受影響居民的通知書

各位居民：

現來信通知由 2021 年 09 月 13 日 至 2022 年 11 月 30 日晚上 07 時 00 分至清晨 07 時 00 分內任何 6 小時，會在土瓜灣避風塘及翔龍海面附近進行體育園鋼架運送工程。

本公司對因這些工程造成的不便表示歉意，而深信閣下明白這些工程是為閣下及其他鄰近居民提供重要服務中的重要一環。

由於海面潮汐限制，本公司無法於日間進行上述工程，但本公司保證盡快進行上述工程，並注意可能造成的噪音，本公司亦會採取噪音舒緩措施如使用隔聲圍封物圍封噪音產生之位置。

如對上述工程有任何疑問，請聯絡經理（建築工程）程錦鴻先生 (9277 6084) 或 高級工程師林泊光先生 (6094 7650)。

協興工程有限公司

副本送：環境保護署收啟

Photo 4: Advance notification of nighttime truss delivery work has been issued to nearby residential according to the CNP requirement.

Photo 5: Pre work briefing has been provided to ensure the compliance of CNP requirement to minimise potential noise nuisance during the nighttime truss delivery.

Complaint Investigation Report

RECEIPT OF COMPLAINT		**Ref: COM_0018**
Date:	20 November 2021	
Time:	11:46	
From:	PS Chan (Hip Hing Construction Co., Ltd)	
Via:	Email	
Contact no.:	-	

COMPLAINANT			
Name:	-	Address:	-
Contact no.:	-		

DETAILS OF COMPLAINT

Date: 12 November 2021

Time: -

Parameter:* ~~Dust~~ Noise ~~Water~~ ~~Other (specify):~~

Description:

- Complaint of noise nuisance arising from the truss delivery operation in late night on 12/11/2021.
- Please ensure the works fulfill the relevant environmental legislation and conditions stipulated in the valid construction noise permit.
- Please take necessary measures to minimize the environmental nuisance arising from the construction site.

INVESTIGATION RESULT & RESPONSE

ET, IEC and SOR notified on: 20 and 22 November 2021

Investigation conducted on: 23 November 2021

Result of investigation:

Complaint investigation was carried out on 23 November 2021, the results of investigation were summarized as following:

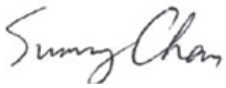
According to the contractor's information, there was truss delivery work conducted on the complaint date (i.e. 12 November 2021.) There were nighttime truss delivery works carried out under the Construction Noise Permit **(Ref. No. GW-RE1090-21)** requirement:

(i) 11 November 2021, 22:00– 23:59; and (ii) 12 November 2021, 00:00-04:00

Noise mitigation control measures implemented on site included:

1. Noise barrier not less than 2m had been provided on site between the truss delivery working area and the nearby residential area according to the CNP requirement. (photo 1)
2. Noise insulating fabric implemented on moving trailer during nighttime truss delivery work. (photos 2a and 2b)

In conclusion, noise control mitigation measures at the truss delivery port have been well implemented. All nighttime truss delivery operation works have fulfilled the relevant environmental legislation and CNP requirement during the concerned period. The contractor was reminded to maintain all necessary noise mitigation measures to minimise any potential noise nuisance to nearby residential during the nighttime truss delivery operation.

RECOMMENDATIONS / MITIGATION MEASURES / ACTIONS			
Environmental mitigation measures have been maintained as follow: 1. The truss delivery works have been scheduled in the daytime as much as practicable to minimise the noise nuisance at nighttime. (photo 3) 2. Advance notification of nighttime truss delivery work has been issued to nearby residential according to the CNP requirement. (photo 4) 3. Pre work briefing has been provided to ensure the compliance of CNP requirement to minimise potential noise nuisance during the truss delivery. (photo 5)			
Prepared by:	Sunny Chan	Title:	Environmental Team Leader
Signature:		Date:	24 November 2021

Attachment:

1. Record of Construction Noise Permit - GW-RE1090-21

2. Location Plan of the KTSP Truss Delivery Boundary

3. Photo Records

本署檔案
OUR REF : (5) in EP631/K10/RE472960-21
來函檔案
YOUR REF :
電　話
TEL NO : 2150 8002
圖文傳真
FAX NO : 2402 8275
網　址
HOMEPAGE : http://www.epd.gov.hk/

Environmental Protection Department
Environmental Compliance Division
Regional Office (East)
8/F., Cheung Sha Wan Government Offices,
303 Cheung Sha Wan Road,
Kowloon

環境保護署
環保法規管理科
區域辦事處(東)
九龍長沙灣道 303 號
長沙灣政府合署 8 樓

Registered Post

1 November 2021

To: HIP HING ENGINEERING COMPANY LIMITED
11/F., Chevalier Commercial Centre,
8 Wang Hoi Road,
Kowloon Bay,
Kowloon

Dear Sir,

Advance notification to nearby residents in respect of works at Construction site of Kai Tak Sports Park (truss delivery port), Kai Tak, Kowloon under Construction Noise Permit No. GW-RE1090-21

In connection with our Notice of Issue ref. (4) in EP631/K10/RE472960-21 dated 1 November 2021 of the captioned construction noise permit, please be advised that the permit was issued under a consideration of unavoidable constraints on working hours at the construction site concerned. Notwithstanding the noise control measures specified in the permit, the noise produced by the works is expected to exceed the statutory noise limit, thus causing disturbance to the nearby residents. This may result in noise complaints which may affect the image of your company.

As a measure to alert the affected persons, and to help maintain good public relations and reduce noise complaints, you are strongly advised to notify the nearby residents by providing details such as dates and hours of operation, location and nature of works, and contact telephone numbers to them a few days in advance of the construction. A sample notice to be posted to residential building notice boards is attached for your use. Please also send a copy of the notice to the undersigned by facsimile for our information a few days prior to the commencement of the construction.

Your cooperation in this matter is highly appreciated.

Yours faithfully,

(WONG Chor-kuen, Alfred)
Senior Environmental Protection Officer
for Director of Environmental Protection

c.c. Home Affairs Bureau
[Attn: Mr. XU Wei Hao (E(RS))]
(Fax no. 3586 0591)

(5) in EP631/K10/RE472960-21

2150 8002
2402 8275

掛號函件

致： 九龍 九龍灣
宏開道 8 號
其士商業中心 11 樓
協興工程有限公司

執事先生：

根據「建築噪音許可證第 GW-RE1090-21 號」
於九龍啟德啟德體育園的建築地盤(桁架卸貨港)進行工程前預先知會附近居民

本辦事處在二零二一年十一月一日發信(檔號(4) in EP631/K10/RE472960-21)通知你，上述「建築噪音許可證」已經發出，就此再函說明，我們是鑑於貴方在有關工地的施工時間難免受限制，因而簽發該許可證。儘管許可證上已列各項噪音控制措施，但工程產生的噪音，預計仍會超出法定噪音規限，滋擾鄰近住戶，或有可能引起噪音滋擾投訴，影響貴公司的形象。

為方便受影響的人士察覺有關的情況，並保持良好的公共關係，減少噪音滋擾投訴，本處籲請你在施工前數天知會鄰戶，說明工程的詳情，例如進行工程的日期和時間、工程的地點和性質，以及查詢的電話號碼。隨函夾附可供在住宅大廈告示板上張貼的告示式樣，以供參考。此外，請在進行工程前數天，以傳真方式交來告示副本備閱。

多謝合作。

環境保護署署長

(王楚權  代行)

副本送： 民政事務局
[經辦人：徐維浩 先生(工程師(康樂及體育))]
(傳真號碼：3586 0591)

二零二一年十一月一日

Notice to Affected Residents
(SAMPLE)

(DATE)

Dear Residents,

I am writing to let you know that we will be carrying out_____

_____ in the vicinity of

(Nature of works : e.g. drainage maintenance works)

_____ during the

(Location : e.g. XYZ Street between ABC Road and DEY Road)

hours of _____ from _____ to _____.

(e.g. 10:00 pm to 1:00 am) (Period : e.g. 15 January 2015 to 18 January 2015)

I wish to apologize for the inconvenience that this may cause you while I am sure you will understand that such works are an integral part of providing essential services to you and other residents in your neighbourhood.

You may like to note that it is not possible for us to conduct the works during the day time hours due to _____.

(Reasons : e.g. traffic conditions)

Please be assured that we will carry out the works as quickly as possible with due regard to the noise intrusion which may result. We will also be adopting noise mitigation measures such as _____.

(e.g. low noise generator enclosed by an acoustical enclosure)

If you have any enquiries regarding the works, please feel free to contact our _____

(Representative : e.g. works supervisor, Mr. A.B. Cee at Mobile Phone or Pager No. or Mr. E.F. Gee, engineer at Phone : xxxx-yyyy)

Yours truly,

(NAME)
(POST)
(NAME OF COMPANY)

c.c. EPD (Attn.: CI(RE)5 - Fax No.: 2756 8588)

致受影響居民的通知書

(樣本)

各位居民 ：

現來信通知由＿＿年＿月＿日至＿＿年＿月＿日＿＿＿時至＿＿＿＿時在
(時期：例如 2015 年 1 月 15 日至 2015 年 1 月 18 日　(例如晚上 10 時至零晨 1 時)

＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿
(位置：例如 ABC 道與 DEF 道之間的 XYZ 街)

附近進行＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿。
(工作性質：例如排水渠維修工程)

本公司對因這些工程造成的不便表示歉意，而深信閣下明白這些工程是為閣下及其他鄰近居民提供重要服務中的重要一環。

在日間由於＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿，本公司無法進行上述工程，
（理由：例如交通情況）

但本公司保證盡快進行上述工程，並注意可能造成的噪音。本公司亦會採取噪音紓緩措施如＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿。
（例如由隔聲圍封物圍封低噪音產生器）

如對上述工程有任何疑問，請聯絡＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿
[代表：例如工程主管，ABC 先生 (手提

＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿。
電話號碼或傳呼號碼) 或工程師 EFG 先生，電話號碼，xxxx-yyyy]

＿＿＿＿＿＿＿＿＿＿
公司名稱

＿＿＿＿＿＿＿＿＿＿
職位

＿＿＿＿＿＿＿＿＿＿
姓名

副本送：環境保護署 (CI(RE)5 - 傳真號碼: 2756 8588)

本署檔案
OUR REF : (4) in EP631/K10/RE472960-21
來函檔案
YOUR REF :
電　話
TEL NO : 2150 8002
圖文傳真
FAX NO : 2402 8275
網　址
HOMEPAGE : http://www.epd.gov.hk/

Environmental Protection Department
Environmental Compliance Division
Regional Office (East)
8/F., Cheung Sha Wan Government Offices,
303 Cheung Sha Wan Road,
Kowloon

環境保護署
環保法規管理科
區域辦事處(東)
九龍長沙灣道 303 號
長沙灣政府合署 8 樓

Registered Post

1 November 2021

To: HIP HING ENGINEERING COMPANY LIMITED
11/F., Chevalier Commercial Centre,
8 Wang Hoi Road,
Kowloon Bay,
Kowloon

Dear Sir,

Notice of Issue of Construction Noise Permit pursuant to section 8(6) of the Noise Control Ordinance (Cap. 400)

I write to inform you that, under section 8(6) of the Noise Control Ordinance, the Authority has decided to issue a construction noise permit in respect of your application, which was received by the Authority on 22 October 2021, **for the use of powered mechanical equipment for carrying out construction work at Construction site of Kai Tak Sports Park (truss delivery port), Kai Tak, Kowloon.**

The construction noise permit No. GW-RE1090-21 is enclosed.

Please note that a condition concerning **online submission of advance notification of work** to the Authority has been incorporated into this construction noise permit. You are strongly advised to read the conditions of the permit carefully and to ensure compliance with these conditions. Any breaching of the conditions may lead to cancellation of the permit, **subsequent prosecution action** and/or the Authority's refusal to issue further permit for the above construction site.

Yours faithfully,

(WONG Chor-kuen, Alfred)
for Authority

Note:

Electronic submission of application for construction noise permit is available at Environmental Protection Department's website. File attachments with total size not exceeding 20 MB in acceptable format are allowed for electronic submission. Electronic application form can be downloaded from our website (https://epic.epd.gov.hk/eForm/ChangeLanguage.do?language=eng&url=/pages/datadownload/downloadMain.jsp) and an overview of application submission (https://epic.epd.gov.hk/eForm/introduce.html) is provided for more information.

(4) in EP631/K10/RE472960-21

2150 8002
2402 8275

掛號函件

致： 九龍 九龍灣
宏開道 8 號
其士商業中心 11 樓
協興工程有限公司

執事先生：

根據《噪音管制條例(第 400 章)》第 8(6)條
發出的通知書 — 簽發「建築噪音許可證」

本監督於二零二一年十月二十二日，收到你擬於下述地址：**九龍啟德啟德體育園的建築地盤(桁架卸貨港)，使用機動設備進行建築工程**而提出的「建築噪音許可證」申請，現根據《噪音管制條例》第 8(6)條的規定通知你，上述的申請已被批准。

隨函附上「第 GW-RE1090-21 號建築噪音許可證」。

請注意，有關**施工前於網上預先通知**本監督的要求已納入本建築噪音許可證的條件。請細閱及確保遵守許可證各項條件。如有違反，本監督可撤銷許可證、**提出檢控**及/或拒絕再就上述地盤簽發任何「建築噪音許可證」。

監 督

(王楚權 代行)

二零二一年十一月一日

注意:
環境保護署提供網上申請「建築噪音許可證」服務。網上申請容許上傳檔案總容量不大於 20 MB 的有關文件。可於本署網頁下載電子表格 (https://epic.epd.gov.hk/eForm/ChangeLanguage.do?language=eng&url=/pages/datadownload/downloadMain.jsp) 及參閱電子表格提交服務概覽(https://epic.epd.gov.hk/eForm/introduce.html)，了解更多資料。

FORM 3 [reg.5(a)]
NOISE CONTROL ORDINANCE
(Chapter 400)
SECTION 8(9)

CONSTRUCTION NOISE PERMIT FOR THE USE OF POWERED MECHANICAL EQUIPMENT FOR THE PURPOSE OF CARRYING OUT CONSTRUCTION WORK OTHER THAN PERCUSSIVE PILING AND/OR THE CARRYING OUT OF PRESCRIBED CONSTRUCTION WORK

CONSTRUCTION NOISE PERMIT NO. GW-RE1090-21

To : HIP HING ENGINEERING COMPANY LIMITED

This construction noise permit is issued in accordance with section 8 of the Noise Control Ordinance. Permission is granted for the use of powered mechanical equipment for the purpose of carrying out construction work other than percussive piling and/or the carrying out of prescribed construction work, subject to the conditions set out below. The carrying out of construction work otherwise than in accordance with the conditions may result in the permit being cancelled and in a prosecution for an offence.

CONDITIONS

1. Construction site where the powered mechanical equipment and/or prescribed construction work may be employed:

   Full address: Construction site of Kai Tak Sports Park (truss delivery port), Kai Tak, Kowloon.

   Lot No.: ---

   The site boundary, that is, the boundary of the area within which the powered mechanical equipment may be used and the prescribed construction work may be carried out is delineated on the attached plan which forms part of this construction noise permit.

2. * ~~PART~~/WHOLE of the site falls * ~~WITHIN~~/OUTSIDE a designated area.

3. Powered Mechanical Equipment

   a. Items of powered mechanical equipment which may be used inside the site boundary :

Identification code of item of powered mechanical equipment (if applicable)		*Description of item of powered mechanical equipment*	*No. of units*
Group A	---	Self-propelled trailer	Six
	---	Generator, with Quality Powered Mechanical Equipment Label showing a Sound Power Level ≦94 dB(A)	One
Group B	CNP 048	Crane, mobile (diesel)	One
	---	Generator, with Quality Powered Mechanical Equipment Label showing a Sound Power Level ≦94 dB(A)	One
	---	Flat top barge	One
	CNP 221	Tug boat	One

   b. Validity of the construction noise permit for the use of the powered mechanical equipment:

   Date and time of commencement : 3 November 2021 at 1900 hours

   Days and hours : 0000-2400 hours on general holidays (including Sundays), 0000-0700 hours and 1900-2400 hours on any day not being a general holiday.

   This part of the permit expires on : 2 February 2022 at 2400 hours

   c. One photograph, endorsed by the Authority, of each item of powered mechanical equipment described in this construction noise permit is required to be kept on the construction site and made available for inspection by the Authority.

   d. Other conditions imposed on the use of the powered mechanical equipment:

   Please refer to attached sheet for conditions imposed for this construction noise permit which is issued as a **special case** due to constraints on working hours **governed by tidal conditions**.

4. Prescribed Construction Work

a. Type of prescribed construction work which may be carried out inside the site boundary:

Identification code of type of prescribed construction work	*Description of type of prescribed construction work*
	Not applicable

b. Validity of the construction noise permit for the carrying out of the prescribed construction work:

Date and time of commencement : Not applicable at Not applicable

Date and hours : Not applicable.

This part of the permit expires on : Not applicable at Not applicable

c. ~~Site layout plan(s), endorsed by the Authority, may be attached with the permit to indicate the locations permitted for the carrying out of prescribed construction work described in this permit. The layout plan(s) is(are) required to be kept on the construction site and made available for inspection by the Authority.~~

d. Other conditions imposed on the carrying out of the prescribed construction work:

5. This construction noise permit or a copy thereof must be displayed on the construction site at all vehicular entrances for public information.

Dated this 1st day of November 2021

Signed :

(WONG Chor-kuen, Alfred)
for Authority

* Delete as necessary

表格 3 [第5(a)條]

噪音管制條例
(第400章)
第8(9)條

建築噪音許可證
為進行建築工程（撞擊式打樁除外）
而使用機動設備及／或進行訂明建築工程

建築噪音許可證編號：GW-RE1090-21

致：協興工程有限公司

本建築噪音許可證是按照《噪音管制條例》第 8 條的規定而發出的。現准予使用機動設備以進行撞擊式打樁工程以外的建築工程及／或進行訂明建築工程，但須受以下條件規限。若不按照該等條件進行建築工程，許可證可遭撤銷，而且會受到檢控。

條　件

1. 可使用機動設備及／或進行訂明建築工程的建築地盤：

詳細地址：九龍啟德啟德體育園的建築地盤(桁架卸貨港)。

地段編號：---

地盤範圍(即可使用機動設備及進行訂明建築工程的地方範圍)已描劃於夾附的圖則上，而該圖則是本建築噪音許可證的一部分。

2. 該地盤~~部分~~／全部*位於指定範圍之~~內~~／外*。

3. 機動設備

a. 在地盤範圍內可使用的各項機動設備：

各項機動設備的識辨代碼 (如適用的話)		*各項機動設備的說明*	*數目*
A組	---	自行式拖車	陸
	---	發電機，備有優質機動設備標籤顯示聲功率級≦94 分貝(A)	壹
B組	CNP 048	起重機，流動 (油渣)	壹
	---	發電機，備有優質機動設備標籤顯示聲功率級≦94 分貝(A)	壹
	---	平頂躉船	壹
	CNP 221	拖船	壹

b. 可使用機動設備的建築噪音許可證有效期：

生效日期及時間：二零二一年十一月三日　下午七時

日期及時間：公眾假日(包括星期日)的凌晨零時至晚上十二時，公眾假日以外的任何一日凌晨零時至上午七時及下午七時至晚上十二時。

此部分許可證屆滿日期及時間：二零二二年二月二日　晚上十二時

日期　時間

c. 建築地盤須備有本建築噪音許可證所述每件機動設備的照片各一幀，供監督隨時查看；該等照片須經監督認可。

d. 規限使用機動設備的其他條件：

請參見附頁有關本建築噪音許可證的規限條件。該條件是鑒於本建築噪音許可證屬**特別個案**而註明的，而該特別個案是施工時段**受潮汐限制**。

4. 訂明建築工程

a. 在地盤範圍內可進行的訂明建築工程：

訂明建築工程的識辨代碼	*訂明建築工程的類別的說明*
	不適用

b. 可進行訂明建築工程的建築噪音許可證有效期：

生效日期及時間：不適用

日期及時間：不適用。

此部分許可證屆滿日期及時間：不適用

日期　　時間

c. ~~本許可證可夾附經監督認可的地盤圖則，以顯示本許可證准予進行訂明建築工程的點。該地盤圖則須存放於建築地盤供監督隨時查看。~~

d. 規限進行訂明建築工程的其他條件：

5. 本建築噪音許可證或其副本必須展示於建築地盤的所有車輛入口處，給予公眾人士參閱。

日期：2021 年 11 月 1 日

簽署：

監督
(王楚權　代行)

* 刪去不適用者

SPECIAL CASE -due to constraints on working hours governed by tidal conditions
特別個案 – 施工時段受潮汐限制

Sheet attached to Construction Noise Permit
No. GW-RE1090-21

3.d. Other conditions imposed on the use of the powered mechanical equipment:

1. The powered mechanical equipment shall not be used more than **20 days** during the validity period of this Construction Noise Permit.

2. All care shall be taken to ensure that the construction work is carried out as quickly as possible with due regard for the potential noise intrusion which may result.

3. Only one group of the powered mechanical equipment listed in condition 3.a shall be allowed to operate at any time.

4. The mobile crane (diesel) (CNP 048) shall be operated at the location as marked on the attached plan.

5. The power generating part of Self-propelled trailer shall be enclosed by a canvas acoustic shroud of vinyl sheets or equivalent.

6. Noise barrier with minimum 2 metres high shall be installed at the location as marked on the attached plan.

7. The powered mechanical equipment covered by this Construction Noise Permit shall not be operated when any powered mechanical equipment covered by the Construction Noise Permit No. GW-RE0833-21 is being operated.

8. All flaps and panels of the generator shall be closed during operation.

9. All idling powered mechanical equipment shall be switched off.

10. Portable phones or walkie-talkies with headphones shall be used for site communication. No whistles, horns and loudspeakers shall be used. No shouting shall be allowed.

11. The construction work in relation to this Construction Noise Permit shall only be carried out with prior notification to the Authority of the location, date and time of the work as well as the details of work program (including the date and time for carrying out different phases or sequence of work) etc. Such notification shall be made by logging in the following webpage (http://cnp-advancenotification.hk) and submitting all information required. Such notification shall be made within 14 days but no less than 48 hours before commencement of work for every work location.

Signed : _____

(WONG Chor-kuen, Alfred)
for Authority

SPECIAL CASE -due to constraints on working hours governed by tidal conditions
特別個案 – 施工時段受潮汐限制

建築噪音許可證
編號 GW-RE1090-21 的附頁

3. d. 規限使用機動設備的其他條件：

1. 祇可在此建築噪音許可證的有效期內使用機動設備不超過二十天。
2. 本許可證持有人必須確保竭力從速完成該等建築工程，並小心防範會引起的噪音干擾。
3. 在任何時間內，祇可使用列在條件 3. a 內的其中一組機動設備。
4. 流動起重機(油渣) (CNP 048)必須在附圖上標示的位置操作。
5. 自行式拖車的動力產生部份必須用合成隔音屏障或同等物料圍封。
6. 必須在附圖上標示的位置上裝設高度不低於 2 米的隔音屏障。
7. 當建築噪音許可證編號 GW-RE0833-21 內的任何機動設備正在操作時，不可操作本建築噪音許可證內的機動設備。
8. 發電機的所有覆蓋及嵌板於操作時必須關閉。
9. 關掉所有空轉的機動設備。
10. 地盤通訊必須使用手提電話或連耳筒對講機，不准使用哨子、號角及擴音器，不准喧嘩。
11. 在進行此建築噪音許可證內所載列的建築工程時，必須確保就每個施工地點於施工前 48 小時至施工前 14 日內，登入以下網上平台 (http://cnp-advancenotification.hk/tc) 並就每個施工地點於施工前 48 小時至施工前 14 日內填妥及提交有關施工地點、日期及時間、及施工程序安排(包括不同階段或工序施工日期及時間的安排)等所需資料。

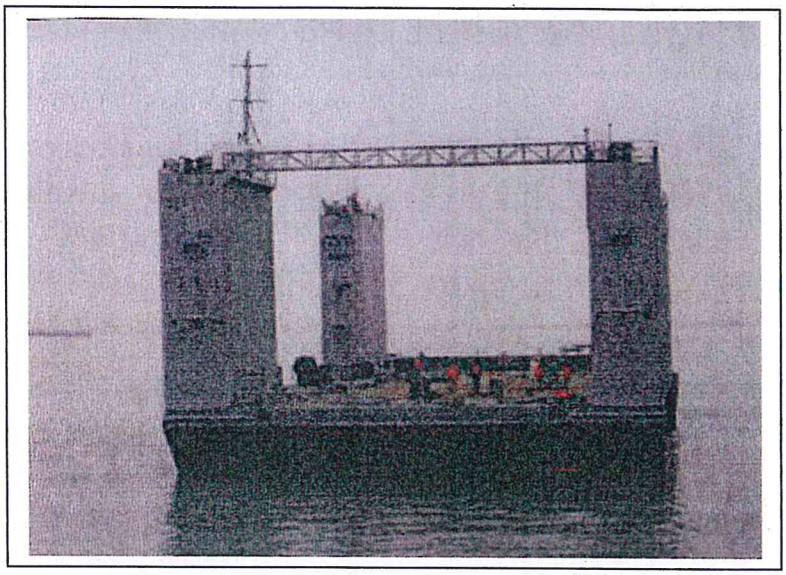
楚權

簽署：_____

監督

(王楚權　代行)

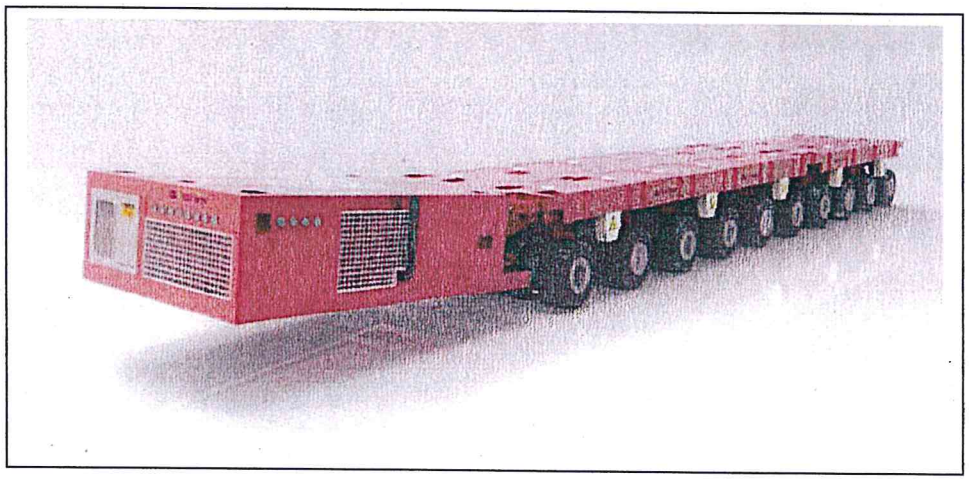
Photograph(s) attached to Construction Noise Permit No. GW-RE1090-21
建築噪音許可證編號：GW-RE1090-21 的照片



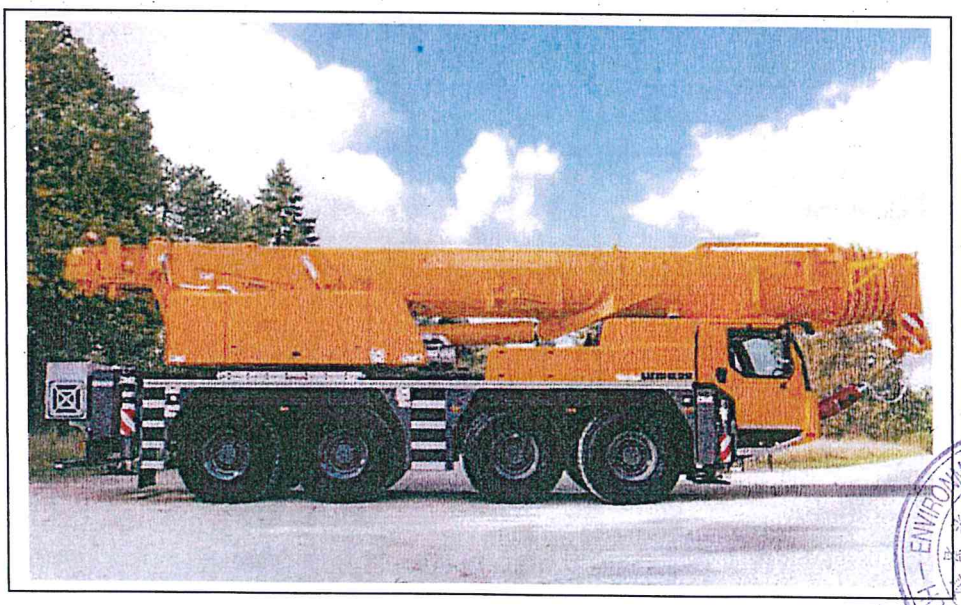
Flat top barge
平頂躉船

CNP 221 Tug boat
拖船

Photograph(s) attached to Construction Noise Permit No. GW-RE1090-21
建築噪音許可證編號：GW-RE1090-21 的照片

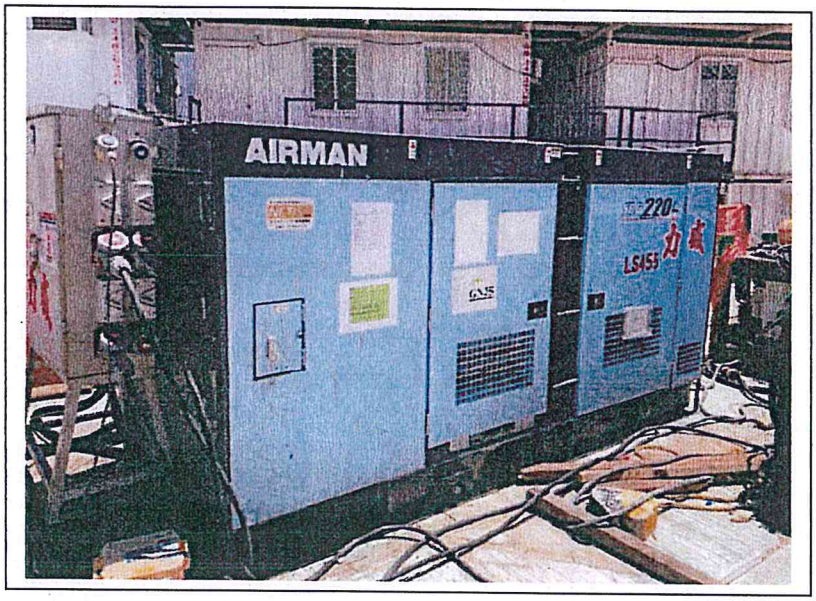


Self-propelled trailer
自行式拖車

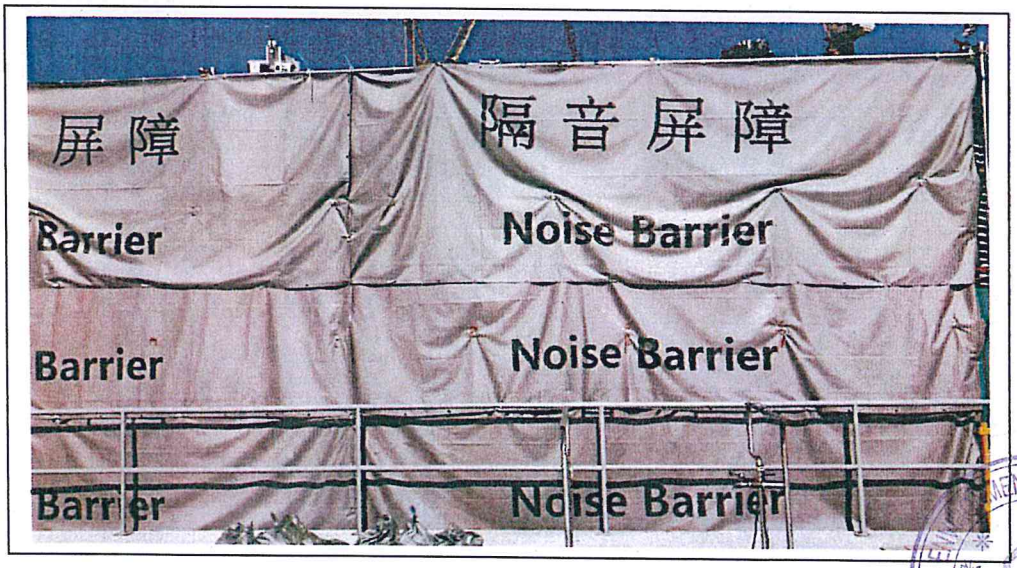


CNP 048 Crane, mobile (diesel)
起重機，流動 (油渣)

Photograph(s) attached to Construction Noise Permit No. GW-RE1090-21
建築噪音許可證編號：GW-RE1090-21 的照片

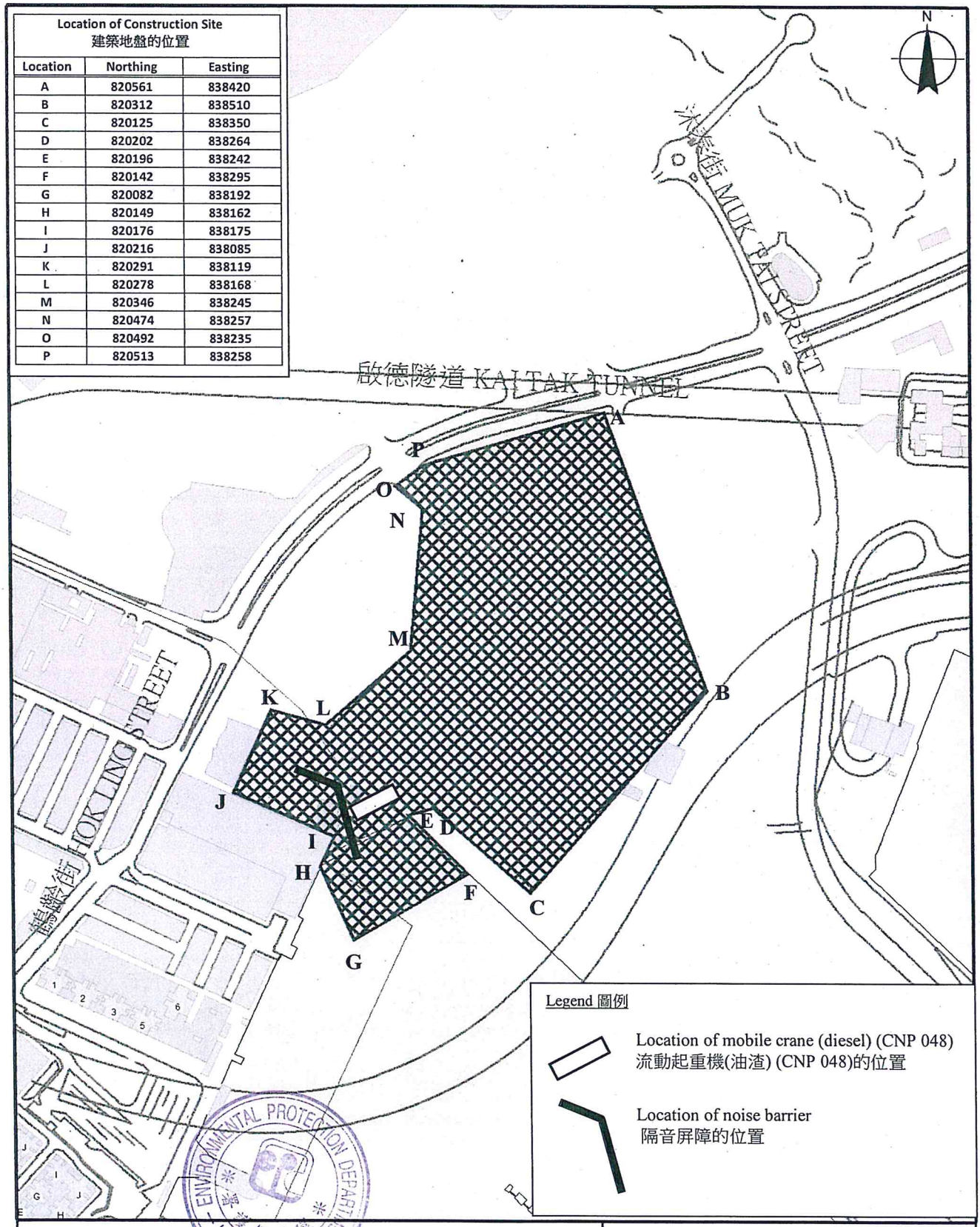


Generator, with Quality Powered Mechanical Equipment Label showing a Sound Power Level ≦94 dB(A)
發電機，備有優質機動設備標籤顯示聲功率級≦94 分貝(A)



Noise barrier
隔音屏障

Location of Construction Site 建築地盤的位置		
Location	Northing	Easting
A	820561	838420
B	820312	838510
C	820125	838350
D	820202	838264
E	820196	838242
F	820142	838295
G	820082	838192
H	820149	838162
I	820176	838175
J	820216	838085
K	820291	838119
L	820278	838168
M	820346	838245
N	820474	838257
O	820492	838235
P	820513	838258



環境保護署 噪音管制監督

Environmental Protection Department Noise Control Authority

圖 例 Legend

建築地盤 Construction Site

建築噪音許可證編號 GW-RE1090-21 的附圖

Plan attached to Construction Noise Permit No. GW-RE1090-21

比例 Scale 1:5,000

米Meters

0 25 50 100 150

Location Plan of the KTSP Truss Delivery Boundary

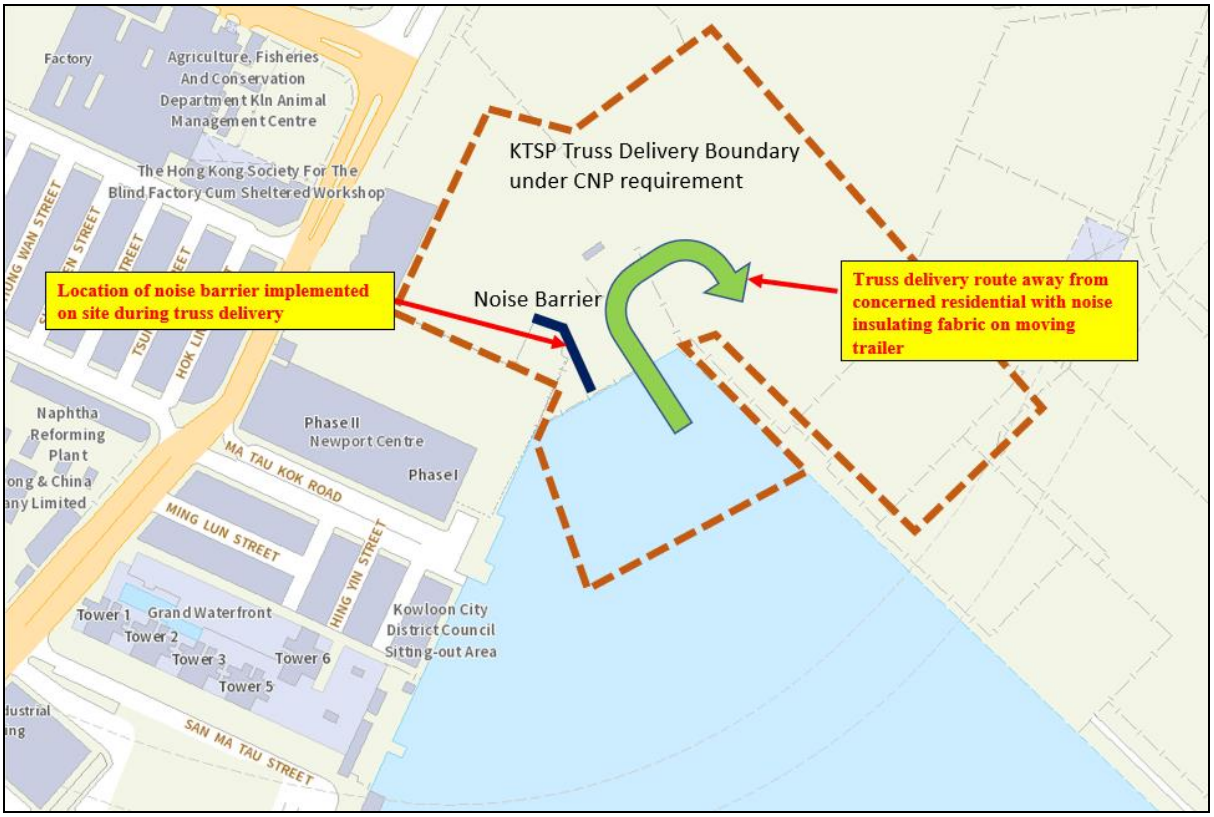
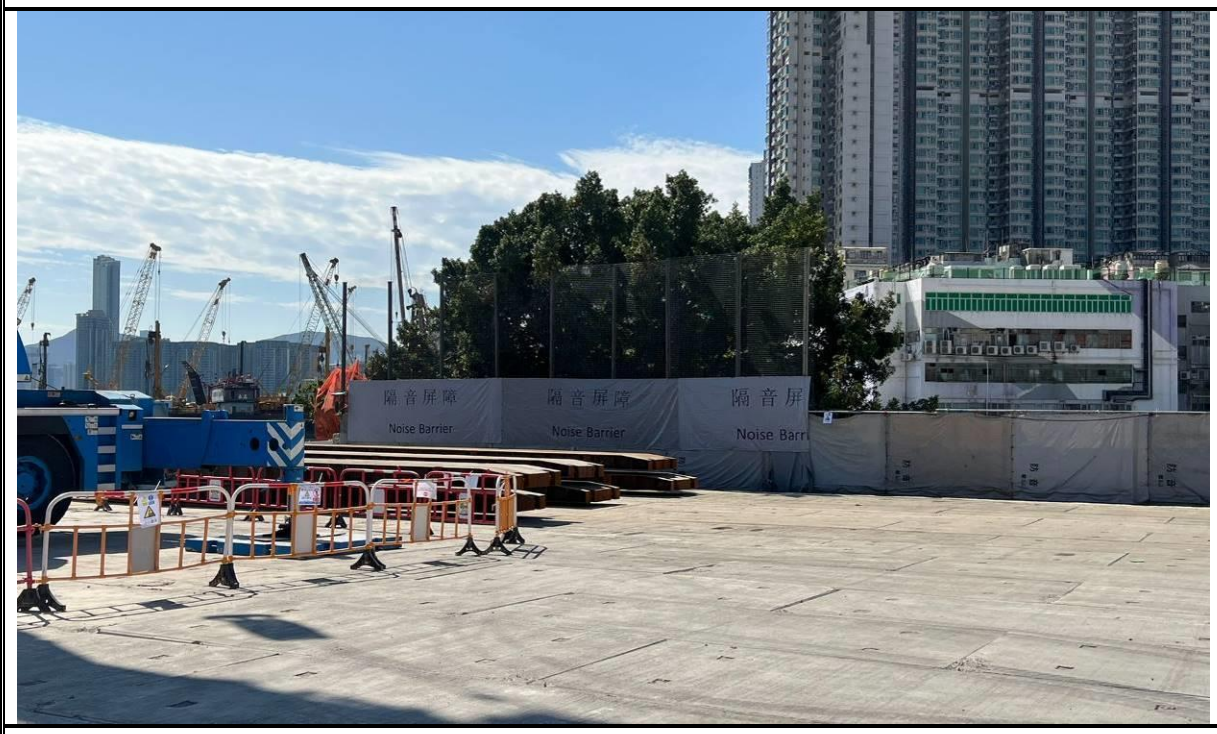


Photo Records:

Environmental Measure Implemented:



Photos 1:
Noise barrier not less than 2m had been provided on site between the truss delivery working area and the nearby residential area according to the Construction Noise Permit (Ref. No. GW-RE1090-21) requirement. **(23 November 2021**)

Photos 2a and 2b:
Noise insulating fabric implemented on moving trailer according to the CNP requirement.
(12 November 2021)

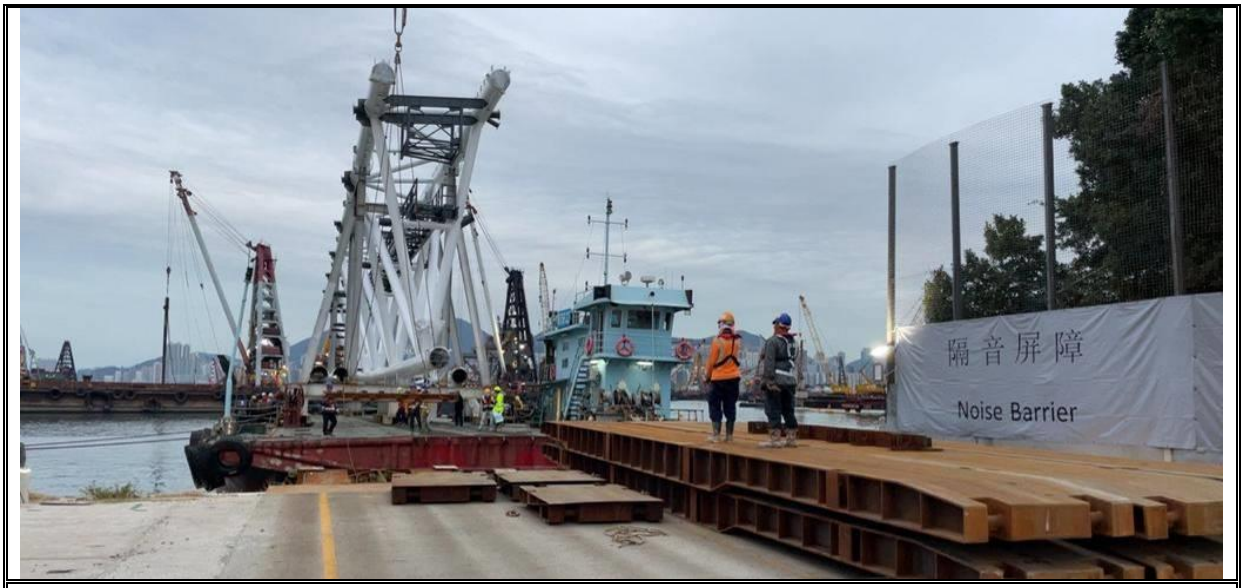
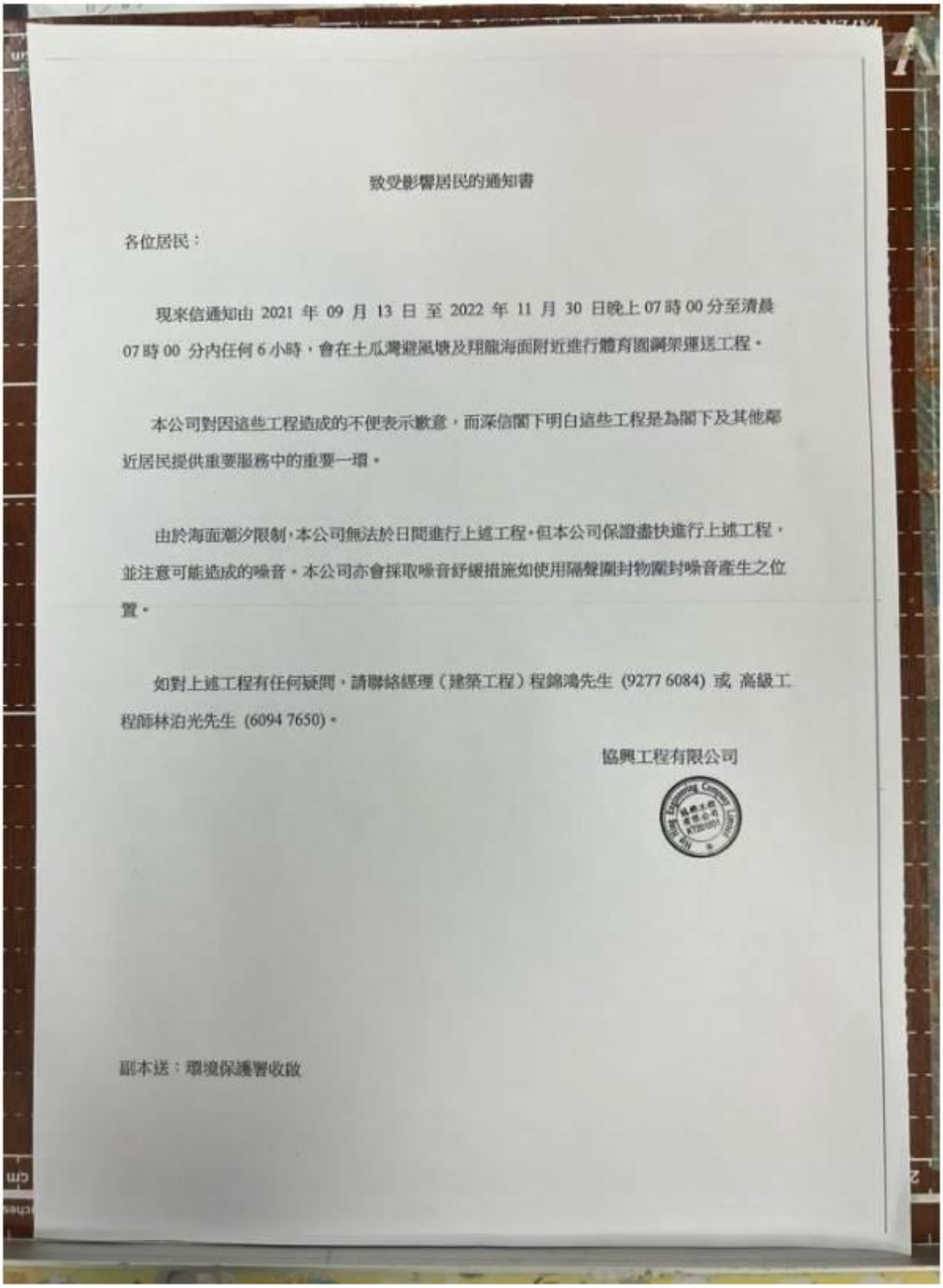


Photo 3: The truss delivery works have been scheduled in the daytime as much as practicable to minimize the noise nuisance at nighttime. **(22 November 2021**)



致受影響居民的通知書

各位居民：

現來信通知由 2021 年 09 月 13 日至 2022 年 11 月 30 日晚上 07 時 00 分至清晨 07 時 00 分內任何 6 小時，會在土瓜灣避風塘及翔龍海面附近進行體育圓鋼架運送工程。

本公司對因這些工程造成的不便表示歉意，而深信閣下明白這些工程是為閣下及其他鄰近居民提供重要服務中的重要一環。

由於海面潮汐限制，本公司無法於日間進行上述工程。但本公司保證盡快進行上述工程，並注意可能造成的噪音，本公司亦會採取噪音舒緩措施如使用隔聲圍封物圍封噪音產生之位置。

如對上述工程有任何疑問，請聯絡經理（建築工程）程錦鴻先生 (9277 6084) 或 高級工程師林泊光先生 (6094 7650)。

協興工程有限公司

副本送：環境保護署收啟

Photo 4: Advance notification of nighttime truss delivery work has been issued to nearby residential according to the CNP requirement.

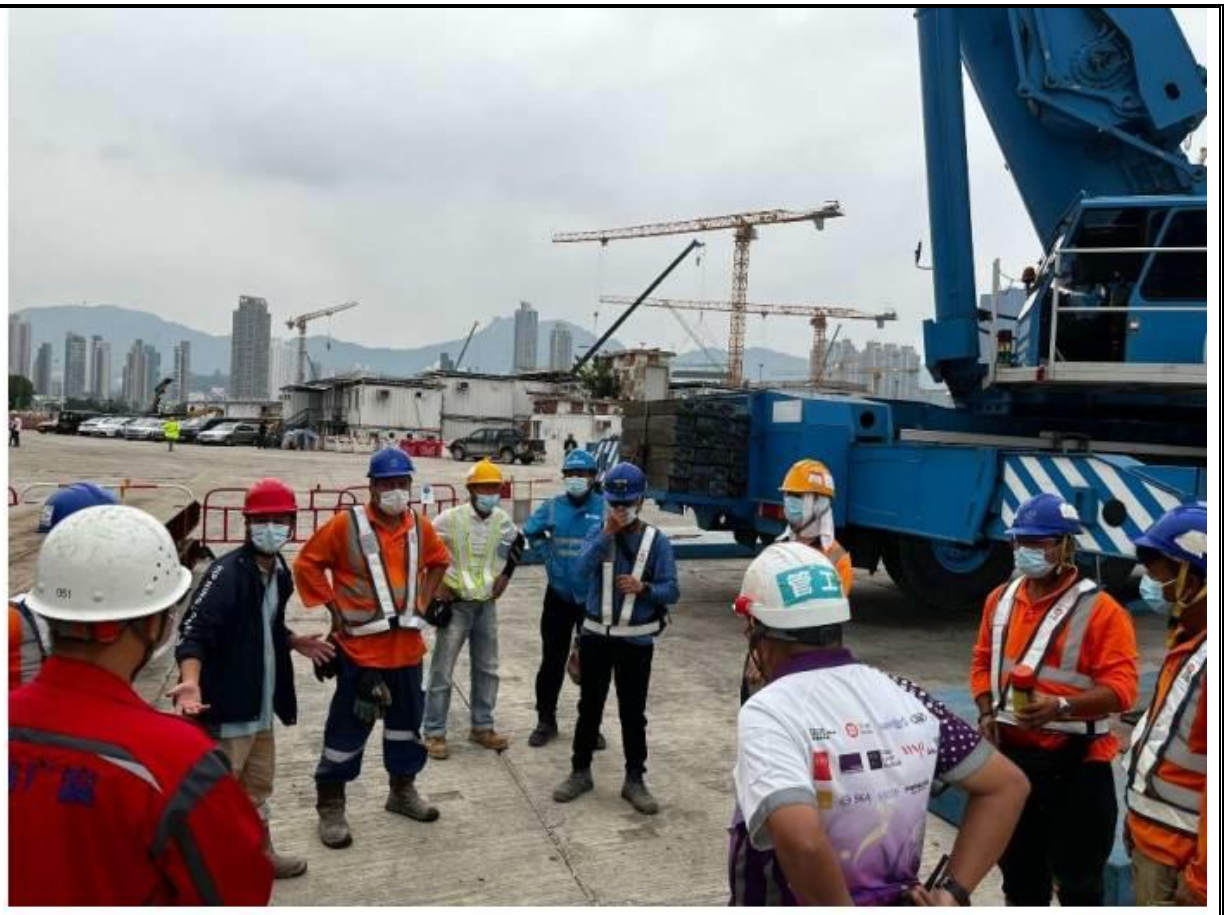


Photo 5: Pre work briefing has been provided to ensure the compliance of CNP requirement to minimise potential noise nuisance during the nighttime truss delivery.
(11 November 2021)