

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

Quarterly EM&A Report (Jan 2021 – Mar 2021)

Apr 2021

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 (Jan 2021 - Mar 2021)

Apr 2021



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. 8 (January to March 2021)

Date of Report: April 2021

Date received by IEC: 27 April 2021

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

Mondy 20.

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

Date: 27 April 2021

Independent Environmental Checker

Our ref: 0500384_IEC Verification Cert_KTSP_Quarterly EM&A Rpt No.8.docx





Environmental Permit No. EP- 544/2017

Kai Tak Sports Park - Investigation

Environmental Team Leader Certification

Reference Document / Plan

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ETL Certification

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

Mr Sunny Chan

Sumy Chan

Environmental Team Leader Date: 27 April 2021

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Executive Summary

This is the 8th 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 January 2021 to 31 March 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	2, 7*, 13*, 19*, 25*, 29 January 2021
		4, 10, 16, 22, 26 February 2021
		3, 9, 15, 19, 25, 31 March 2021
Noise impact monitoring (L _{eq (30 min)})	NMS1, NMS2	8*, 13*, 19*, 25* January 2021
		4, 10, 16, 22, 26 February 2021
		3, 9, 15, 25, 31 March 2021
Weekly environmental site	Kai Tak Sports Park Project Site	6, 13, 20, 27 January 2021
inspections		3, 10, 18, 24 February 2021
		3, 10, 17, 23, 31 March 2021
Bi-weekly landscape and visual	Kai Tak Sports Park Project Site	13, 27 January 2021
site inspections		10, 24 February 2021
		10, 23 March 2021

^{*}Note:

During the reporting period, monitoring station, Hong Kong Society for the Blind Workshop (AMS1 and NMS1), was temporary suspended from 4 January 2021 to 25 January 2021, due to a confirmed case of COVID-19.

Agriculture, Fisheries and Conservation Department Kowloon Animal Management Centre (AMS1-T and NMS1-T) was proposed to conduct dust monitoring (7, 13, 19 and 25 January 2021) and noise monitoring (8, 13, 19 and 25 January 2021) during the suspended period. Details of temporary alternative monitoring locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021. The details of temporary monitoring station are described in Section 2.

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

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

Complaint Log

There were four environmental related complaints received 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	Project Director (Sports Park)	Victor Tai (till 17 Jan 2021)	3586 3403	3586 0591
Bureau)		Edwin Wong (from 18 Jan 2021)	_	
Supervising Officer's Representative (Home Affairs Bureau)	Senior Engineer	Keith Man	3586 3149	3586 0591
Environmental Team	Environmental Team Leader	Sunny Chan	2828 5962	2827 1823
(Mott MacDonald Hong Kong Limited)	Deputy Environmental Team Leader	Henry Leung	2828 5876	2827 1823
Independent Environmental Checker (ERM Hong Kong Limited)	Independent Environmental Checker	Mandy To	2271 3000	2723 5660
Contracted Party (Kai Tak Sports Park Limited)	Senior Project Manager	Michael Wong	3552 5003	2845 9295
	Senior Environmental Engineer	Hiko Law	3552 5013	3552 5099
Hotel and Office Dev	velopment			
Project Manager (Sanon Limited)	Senior Group Project Director	David Lee	2910 8368	2815 9949
	Project Manager	William Chan	2910 8363	2815 9949
Project Architect (P&T Architects & Engineers Limited)	Project Architect	Patrick Chan	2832 7205	-
Contractor (CR Construction Company Limited)	Contractor	Math Chan	3950 5714	_
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**.

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

January 2021	February 2021	March 2021
KTSP		
 Ground investigation works; Pile cap construction;	 Ground investigation works; Pile cap construction;	 Ground investigation works; Rebar fixing;
 Piling works (Percussive piling, Socket H piling and Bored piling); 	 Piling works (Percussive piling, Socket H piling and Bored piling); 	 Piling works (Percussive piling, Socket H piling and Bored piling);
Mobilization;	 Mobilization; and 	 Mobilization; and
 Concreting and excavation 	 Concreting and excavation 	 Concreting and excavation
H/O Development		
Socket H piling	Socket H piling; andExcavation	Socket H piling; andExcavation

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 <u>Figure 2.1</u> 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.

During the reporting period, monitoring station AMS1 was temporary suspended from 4 January 2021 to 25 January 2021, due to a case of COVID-19 diagnosed at the Hong Kong Society for the Blind Workshop. Temporary air quality monitoring station, AMS1-T, was used to conduct dust monitoring on 7, 13, 19 and 25 January 2021. Details of temporary alternative monitoring

locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021. The details of temporary monitoring station are described in Table 2.3 and the location of temporary monitoring station is shown in Figure 2.1.

Table 2.3: Temporary Construction Dust Monitoring Location

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

2.4 Action and Limit Levels for Air Quality Monitoring

The Action and Limit Levels for 1-hr TSP are provided in **Table 2.4**.

Table 2.4: Action and Limit Levels for 1-hour TSP

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

^{*}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 2.5 summarises the monitoring parameters, frequency and duration of impact noise monitoring.

Table 2.5: Noise Monitoring Parameters, Frequency and Duration

Parameter	Frequency and Duration
30-minutes measurement at each monitoring station between 0700 and 1900 on normal weekdays (Monday to Saturday).	At least once per week

L_{eq}, L₁₀ and L₉₀ would be recorded.

2.7 Noise Monitoring Locations

According to the approved EM&A Manual, a total of seven noise monitoring stations were identified for the impact monitoring locations. 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 2.6 describes the details of the monitoring stations and <u>Figure 2.2</u> shows the locations of noise monitoring stations.

Table 2.6: Construction Noise Monitoring Locations

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

During the reporting period, monitoring station NMS1 was temporary suspended from 4 January 2021 to 25 January 2021, due to a case of COVID-19 diagnosed at the Hong Kong Society for the Blind Workshop. Temporary noise monitoring station, NMS1-T, was used to conduct noise monitoring on 8, 13, 19 and 25 January 2021. Details of temporary alternative monitoring locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021. The details of temporary monitoring station are described in Table 2.7 and the location of noise monitoring station is shown in Figure 2.2

Table 2.7: Temporary Construction Noise Monitoring Location

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

Action and Limit Levels for Noise Monitoring

The Action and Limit Levels for construction noise are defined in Table 2.8

Table 2.8: Action and Limit Level for Construction Noise

Monitoring Station	Time Period	Action Level	Limit Level
NMS1	0700 – 1900 hours on	When one documented	75 dD/A)
NMS2	normal weekdays	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

January 2021	February 2021	March 2021				
KTSP						
Ground investigation works;	 Ground investigation works; 	 Ground investigation works; 				
Pile cap construction;	 Pile cap construction; 	 Rebar fixing; 				
 Piling works (Percussive piling, Socket H piling and Bored piling); 	 Piling works (Percussive piling, Socket H piling and Bored piling); 	 Piling works (Percussive piling, Socket H piling and Bored piling); 				
 Mobilization; 	 Mobilization; and 	 Mobilization; and 				
 Concreting and excavation; 	 Concreting and excavation 	 Concreting and excavation 				
H/O Development						
Socket H piling.	Socket H piling; and	Socket H piling; and				
	 Excavation 	 Excavation 				

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, 13, 20, 27 January 2021 3, 10, 18, 24 February 2021 3, 10, 17, 23, 31 March 2021
Bi-weekly landscape and visual site inspections	Kai Tak Sports Park Project Site	13, 27 January 2021 10, 24 February 2021 10, 23 March 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, AMS1-T 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, μg/m³	Min, μg/m³	Max, μg/m³	Action Level, μg/m³	Limit Level, µg/m³
AMS1, AMS1- T	52	24	89	283	500
AMS2	52	21	86	280	500

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

	ı	Measured Noise Level Leq (30 mins), dB(A)							
Monitoring Station	Average	Min	Max	Limit Level					
NMS1, NMS1-T	72	69	74	75					
NMS2	70	69	71	75					

No noise exceedances were recorded at stations NMS1, NMS1-T 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 (m³)	Actual Amount during Reporting Period (000kg)	Actual Amount during Reporting Period* (m³)
Inert C&D materials (or public fills) to be disposed of	447,464	33,764	25,972
Non-inert C&D materials (or C&D waste) to be disposed of	68,110	3,219	4,024
Total C&D material of the Project	515,574	36,983	29,996

*Note:

Assumed Inert C&D waste density = 1,300 kg/m³ Assumed Non-inert C&D waste density = 800 kg/m³

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

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

Complaints

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

Table 3.6: Summary of Complaints during the reporting period

Date of Notification from EPD	Date of Complaint	Description of Complaint	Recommendations / Actions	Close-Out Date / Status
2 Feb 2021	12 Jan 2021	- Complaint of muddy water discharge from construction site at Shing Kai Road (Kowloon Bay direction) near Sung Wong Toi Road Please ensure the work fulfill the relevant environmental legislations and their subsidiary regulations. Please take necessary measures to minimize the environmental nuisance arising from the construction site.	Wheel washing facilities have been installed and implemented at all site exits. Water spraying by water truck has been suspended in front of North 1 Gate.	4 Feb 2021
5 Mar 2021 (Referred by HAB)	N/A	- Complaint of dust emission from Kai Tak Sports Park site area near Muk Tai Street.	1.Site hoarding along site boundary was implemented along Muk Tak Street 2.Wheel washing facilities have been installed and implemented at all site exits. 3.Regular water spraying on haul road to maintain wet surface.	5 Mar 2021
26 Mar 2021	10 Mar 2021 15 Mar 2021	 Muddy water discharge; dust & housekeeping problem at vehicle entries along Shing Kai Road. Silt and mud being brought out by trucks getting out from haul road 3C near Sung Wong Toi Road, and contaminated the public pavement and road. Please ensure the work fulfill the relevant environmental legislations 	Regular water spraying on haul road to maintain wet surface to minimise dust emission. Wheel washing facilities have been installed and implemented at haul road 3C. A worker has been assigned to maintain the tidiness of the haul road 3C.	29 Mar 2021

Date of Notification from EPD	Date of Complaint	Description of Complaint	Recommendations / Actions	Close-Out Date / Status
		and their subsidiary regulations. Please take necessary measures to minimize the environmental nuisance arising from the construction site.		
26 Mar 2021	25 Mar 2021	- Complainant said that muddy water was discharged from a vehicle entry of the site of Sports Park at Shing Kai Road Please ensure the work fulfill the relevant environmental legislations and their subsidiary regulations. Please take necessary measures to minimize the environmental nuisance arising from the construction site.	1. Wheel washing facilities were installed and implemented at vehicle access. 2. Earth bund was provided to trap the site runoff. 3. Cut off drainage was implemented at vehicle access. 4. Regular cleaning of vehicle access to maintain road surface near vehicle access clear.	29 Mar 2021

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:

January 2021

KTSP

- The contractor was reminded to provide drip tray for the chemical container on site.
- The contractor was reminded to provide regular water spraying for haul road to maintain wet surface.
- The contractor was reminded to provide covering for the stockpile on site.
- The contractor was reminded to replace the NRMM label for the generator.
- The contractor was reminded to clear the stain and dispose the chemical container properly.
- The contractor was reminded to dispose the chemical container properly.

H/O Development

- The contractor was reminded to provide regular water spraying to maintain wet surface.
- The contractor was reminded to provide tree protection zone on site.
- The contractor was reminded to ensure clear water in the effluent tank to fulfill discharge requirement.
- The contractor was reminded to ensure no site runoff at site entrance.

February 2021

KTSP

- The contractor was reminded to provide regular water spraying to maintain wet surface.
- The contractor was reminded to dispose the C&D wastes at designated location for proper storage, sorting and disposal.
- The contractor was reminded to provide covering for the stockpile.
- The contractor was reminded to clear the general refuse.
- The contractor was reminded to provide drip tray for the chemical container.
- The contractor was reminded to fix the leakage.
- The contractor was reminded to store the chemical containers properly.

H/O Development

- The contractor was reminded to fix the gaps along hoarding as soon as possible to prevent potential leakage of site runoff.
- The contractor was reminded to clear the oil stain and provide drip tray to prevent leakage of oil.

March 2021

KTSP

- The contractor was reminded to provide drip tray for the chemical container.
- The contractor was reminded to provide covering for the stockpiles.
- The contractor was reminded to clear the leakage as soon as possible.
- The contractor was reminded to clear the mud at southern gate No.3.
- The contractor was reminded to clear the stagnant water.
- The contractor was reminded to clear the bubble.
- The contractor was reminded to provide water spraying to maintain wet surface.
- The contractor was reminded to clear the stagnant water.

H/O Development

- The contractor was reminded to provide water spraying to maintain wet surface.
- The contractor was reminded to provide vehicle washing to prevent vehicle from carrying mud out of the site.
- The contractor was reminded to provide appropriate noise mitigation measure for the breaker.
- The contractor was reminded to replace the NRMM label.

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 8th Quarterly EM&A Report for the Project summarises findings of the EM&A works during the reporting period from 1 January 2021 to 31 March 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

No Action and Limit Level exceedances of noise 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.

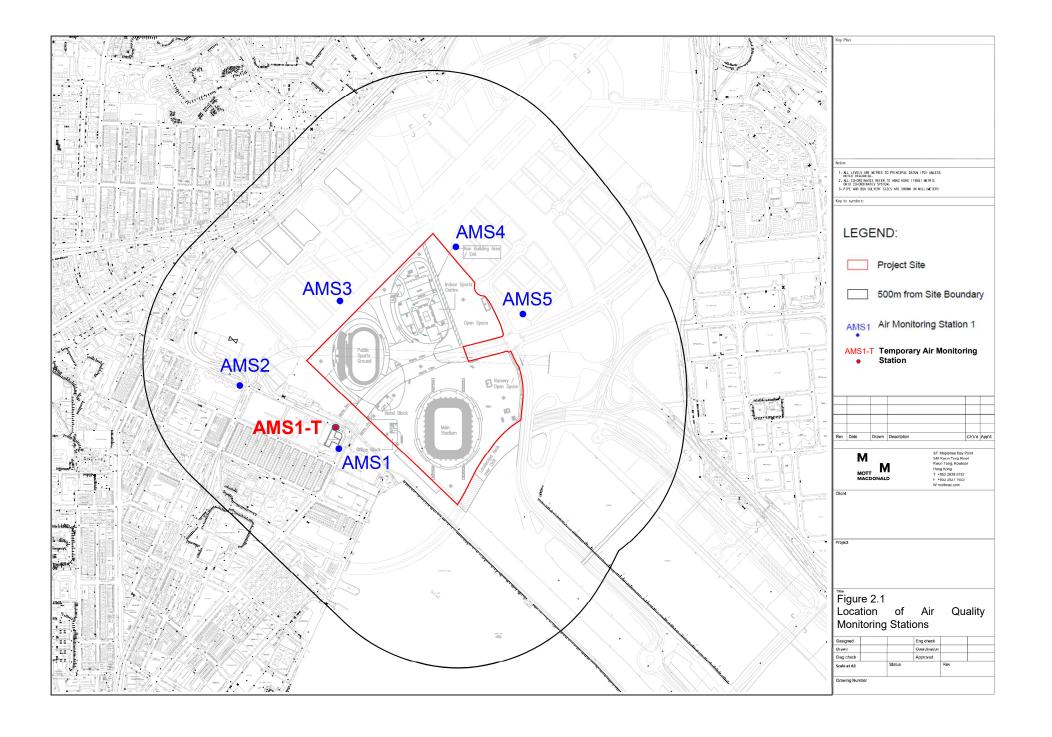
Complaints

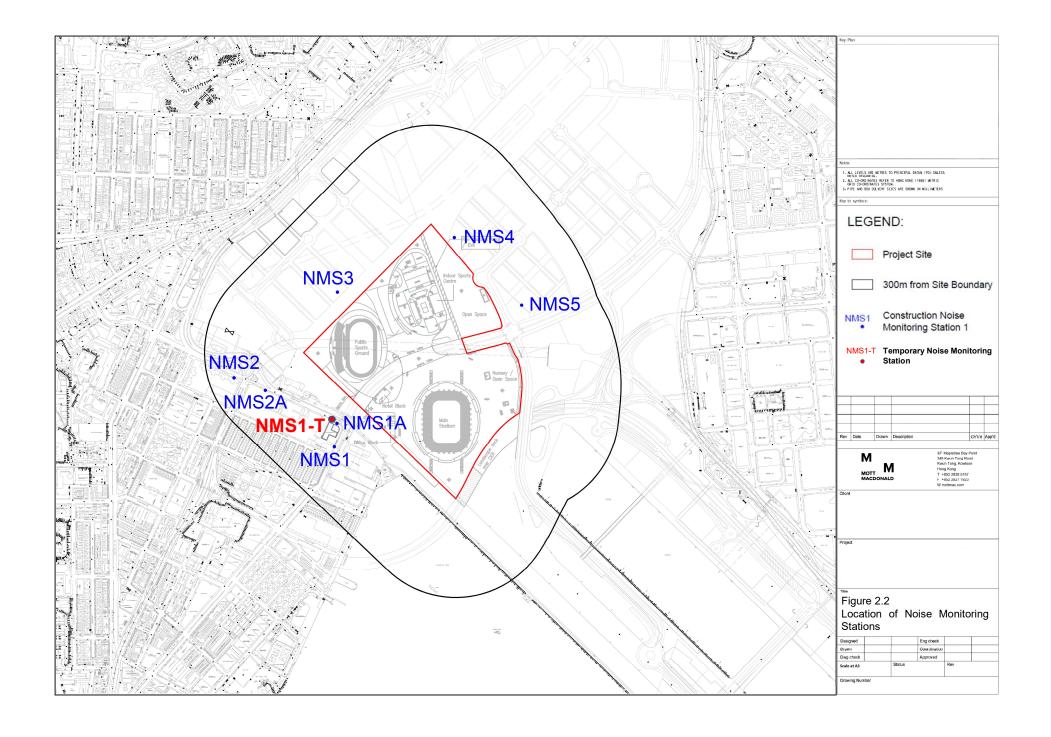
There were four complaints received in relation to the environmental impact during the reporting period. Follow up actions have been taken and investigation reports were shown in **Appendix L.**

Notifications of Summons and Successful Prosecutions

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

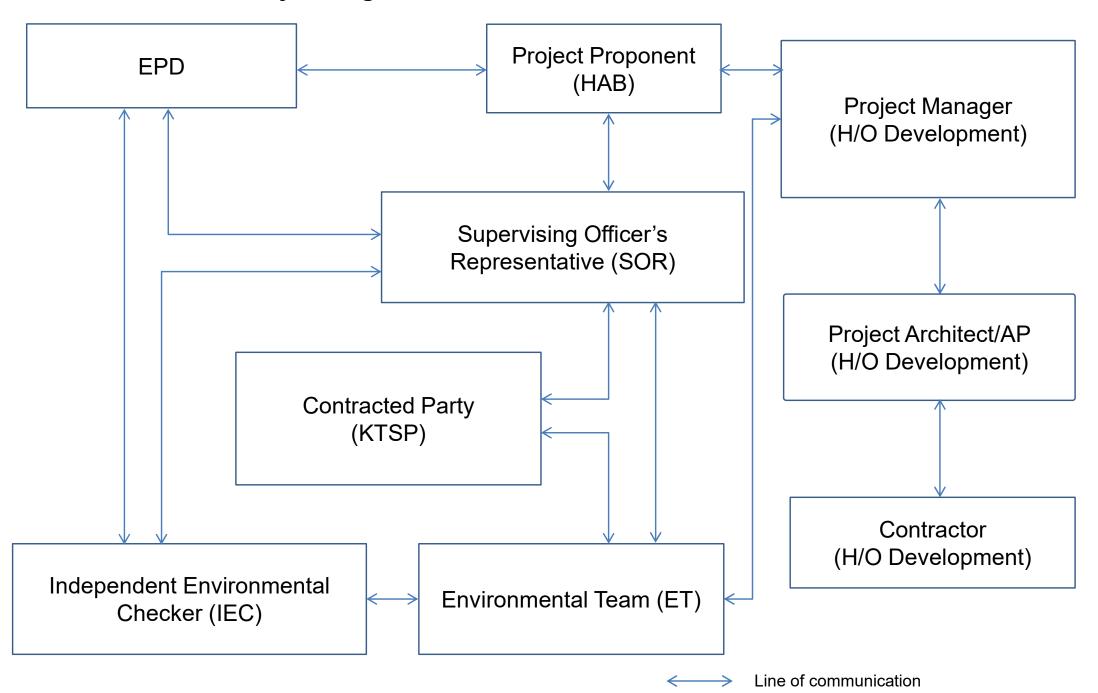
Figures



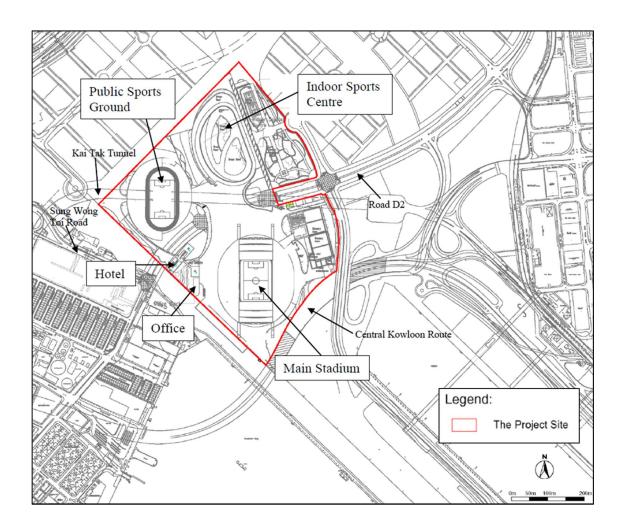


Appendix A. Project Organization for Environmental Works

Project Organisation for Environmental Works



Appendix B. Location of Works Areas



Appendix C. Construction Programme

Construction Programme (Jan 2021 to Apr 2021)

Kai Tak Sports Park

	2021											
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization												
C&D Waste Disposal (By vessel)												
Pile Cap Construction	<u> </u>		*	-								
Loading/ Unloading of Materials												
Excavation			To the second se									
Ground Investigation												
C&D Waste Disposal												
Piling (Percussive Piling)			\$50.									
Piling (Socket H Piling)	ll.											
Piling (Bored Piling)			50									
Concreting												
Lifting												
C&D Materials Internal Transportation												

Hotel and Office Development

		2021										
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Socket H Piling												
Loading/Unloading of Materials												
Excavation	U											
C&D Waste Disposal	0											

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

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

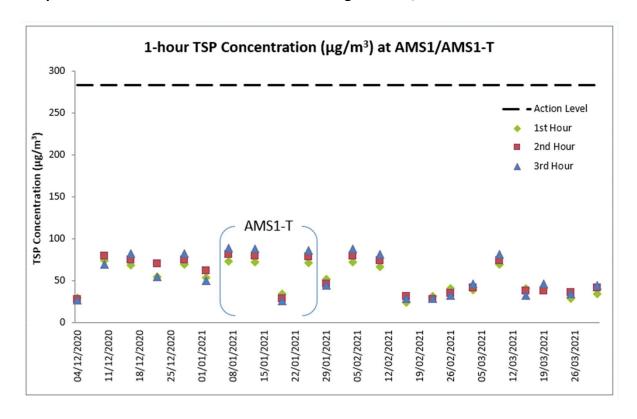
Data for 1-hour TSP Monitoring at Station AMS1/AMS1-T*

	Date	Start Time	Finish Time	Weather	Wind Speed	Wind Direction	1-hour TSP
_					(m/s)	(deg)	(μg/m3)
	2-Jan-21	9:00	10:00	Sunny	2.2	18	54
	2-Jan-21	10:00	11:00	Sunny	1.4	5	62
_	2-Jan-21	11:00	12:00	Sunny	3.3	358	50
	7-Jan-21	9:48	10:48	Cloudy	2.2	358	73
	7-Jan-21	10:48	11:48	Cloudy	2.5	52	81
	7-Jan-21	11:48	12:48	Cloudy	3.1	99	89
	13-Jan-21	9:08	10:08	Sunny	1.7	340	72
	13-Jan-21	10:08	11:08	Sunny	1.7	variable	80
	13-Jan-21	11:08	12:08	Sunny	1.7	357	88
	19-Jan-21	9:03	10:03	Sunny	2.2	354	34
	19-Jan-21	10:03	11:03	Sunny	1.9	350	29
	19-Jan-21	11:03	12:03	Sunny	2.5	75	26
	25-Jan-21	9:08	10:08	Sunny	0.8	135	71
	25-Jan-21	10:08	11:08	Sunny	1.9	134	79
	25-Jan-21	11:08	12:08	Sunny	1.7	136	86
	29-Jan-21	9:02	10:02	Sunny	2.8	98	52
	29-Jan-21	10:02	11:02	Sunny	2.5	135	46
	29-Jan-21	11:02	12:02	Sunny	2.8	121	44
	4-Feb-21	9:05	10:05	Sunny	3.3	106	72
	4-Feb-21	10:05	11:05	Sunny	2.5	44	80
	4-Feb-21	11:05	12:05	Sunny	6.1	99	88
	10-Feb-21	9:15	10:15	Cloudy	2.2	14	67
	10-Feb-21	10:15	11:15	Cloudy	1.7	334	74
	10-Feb-21	11:15	12:15	Cloudy	6.1	293	81
_	16-Feb-21	9:13	10:13	Sunny	5.3	101	24
	16-Feb-21	10:13	11:13	Sunny	5.8	97	31
	16-Feb-21	11:13	12:13	Sunny	5.6	88	29
_	22-Feb-21	10:03	11:03	Sunny	1.7	137	31
	22-Feb-21	11:03	12:03		1.7	125	28
	22-Feb-21 22-Feb-21	12:03	13:03	Sunny	2.8	123	29
_				Sunny			
	26-Feb-21	9:02	10:02	Cloudy	3.1	111	41
	26-Feb-21	10:02	11:02	Cloudy	1.7	137	35
_	26-Feb-21	11:02	12:02	Cloudy	2.2	138	32
	3-Mar-21	9:02	10:02	Cloudy	6.9	90	39
	3-Mar-21	10:02	11:02	Cloudy	6.7	85	42
_	3-Mar-21	11:02	12:02	Cloudy	4.2	97	46
	9-Mar-21	10:06	11:06	Cloudy	5.0	83	69
	9-Mar-21	11:06	12:06	Cloudy	4.7	83	74
_	9-Mar-21	12:06	13:06	Cloudy	3.3	88	81
	15-Mar-21	9:12	10:12	Fine	5.0	105	41
	15-Mar-21	10:12	11:12	Fine	4.4	89	38
	15-Mar-21	11:12	12:12	Fine	3.9	123	32
	19-Mar-21	9:05	10:05	Sunny	4.7	90	41
	19-Mar-21	10:05	11:05	Sunny	3.3	103	38
	19-Mar-21	11:05	12:05	Sunny	3.3	90	46
	25-Mar-21	9:02	10:02	Fine	4.7	78	29
	25-Mar-21	10:02	11:02	Fine	4.2	89	36
	25-Mar-21	11:02	12:02	Fine	6.1	86	34
	31-Mar-21	9:02	10:02	Fine	2.8	132	34
	31-Mar-21	10:02	11:02	Fine	3.1	131	42
	31-Mar-21	11:02	12:02	Fine	2.8	147	44

^{*} During the reporting period, monitoring station AMS1 was temporary suspended from 4 January 2021 to 25 January 2021, due to a case of COVID-19 diagnosed at the Hong Kong Society for the Blind Workshop.

Temporary air quality monitoring station, AMS1-T was used to conduct dust monitoring on 7, 13, 19 and 25 January 2021. Details of temporary alternative monitoring locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021.

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



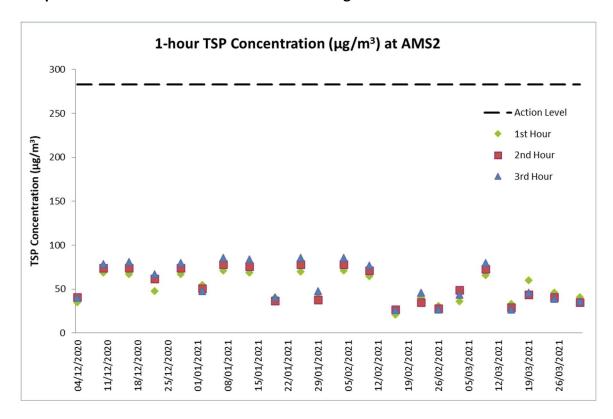
Kai Tak Sports Park

							2021					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization												
C&D Waste Disposal (By vessel)	E		7									
Pile Cap Construction			-									
Loading/ Unloading of Materials												
Excavation												
Ground Investigation	_		-									
C&D Waste Disposal		-	- A									
Piling (Percussive Piling)	(4)											
Piling (Socket H Piling)												
Piling (Bored Piling)	E.	-										
Concreting				- State								
Lifting												
C&D Materials Internal Transportation				-								

						20	021					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Socket H Piling		(44)										
Loading/ Unloading of Materials												Į,
Excavation				-								
C&D Waste Disposal									15			

2-Jan-21	9:50 10:50 11:50	Weather	1 (-)		
2-Jan-21 9:50 2-Jan-21 10:50 7-Jan-21 9:00 7-Jan-21 11:00 13-Jan-21 11:00 13-Jan-21 10:25 13-Jan-21 10:25 19-Jan-21 10:25 19-Jan-21 10:20 25-Jan-21 10:25 25-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 10:40 4-Feb-21 10:40 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 23-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:25 19-Mar-21 9:48	10:50 11:50		(m/s)	(deg)	(μg/m3)
2-Jan-21 10:50 7-Jan-21 9:00 7-Jan-21 10:00 7-Jan-21 11:00 13-Jan-21 12:5 13-Jan-21 9:25 13-Jan-21 10:25 19-Jan-21 10:20 19-Jan-21 10:20 25-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 10:40 4-Feb-21 10:40 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-	11:50	Sunny	1.4	138	55
7-Jan-21 9:00 7-Jan-21 10:00 7-Jan-21 11:00 13-Jan-21 12:5 13-Jan-21 9:25 13-Jan-21 10:25 19-Jan-21 10:20 19-Jan-21 10:20 25-Jan-21 10:25 25-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 10:40 4-Feb-21 10:40 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb		Sunny	2.8	119	51
7-Jan-21 10:00 7-Jan-21 11:00 13-Jan-21 8:25 13-Jan-21 9:25 13-Jan-21 10:25 19-Jan-21 10:20 19-Jan-21 10:20 25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 10:40 4-Feb-21 10:40 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 17-Feb-21 10:30 18-Feb-21 10:30 19-Feb-21 10:30 19-Fe	10.00	Sunny	2.5	132	48
7-Jan-21 11:00 13-Jan-21 8:25 13-Jan-21 9:25 13-Jan-21 10:25 19-Jan-21 10:20 19-Jan-21 10:20 25-Jan-21 9:25 25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 10:40 4-Feb-21 10:40 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:40 3-Mar-21 9:40 26-Feb-21 9:40 26-Feb-21 9:40 27-Feb-21 10:30 28-Feb-21 10:30 29-Jan-21 10:40 4-Feb-21 10:30 4-Feb	10:00	Cloudy	3.9	115	71
13-Jan-21 8:25 13-Jan-21 9:25 13-Jan-21 10:25 19-Jan-21 9:20 19-Jan-21 10:20 25-Jan-21 9:25 25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 9:30 16-Feb-21 10:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:40 3-Mar-21 9:40 26-Feb-21 9:40 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:25 19-Mar-21 9:48	11:00	Cloudy	4.2	115	78
13-Jan-21 9:25 13-Jan-21 10:25 19-Jan-21 9:20 19-Jan-21 9:20 19-Jan-21 10:20 25-Jan-21 9:25 25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 9:30 10-Feb-21 10:30 16-Feb-21 9:30 16-Feb-21 10:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:40 3-Mar-21 9:40 26-Feb-21 10:40 3-Mar-21 10:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:25 19-Mar-21 10:48	12:00	Cloudy	3.3	91	86
13-Jan-21 10:25 19-Jan-21 9:20 19-Jan-21 10:20 25-Jan-21 9:25 25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 10:25 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 10:30 16-Feb-21 9:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:40 3-Mar-21 9:40 26-Feb-21 9:40 26-Feb-21 9:40 26-Feb-21 9:40 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:25 19-Mar-21 9:25 15-Mar-21 9:48	9:25	Sunny	4.7	89	69
19-Jan-21 8:20 19-Jan-21 9:20 19-Jan-21 10:20 25-Jan-21 8:25 25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 8:20 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:40 3-Mar-21 9:40 26-Feb-21 10:40 3-Mar-21 10:40 3-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 9:48	10:25	Sunny	2.8	125	76
19-Jan-21 9:20 19-Jan-21 10:20 25-Jan-21 8:25 25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 9:30 16-Feb-21 10:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 26-Feb-21 9:40 26-Feb-21 9:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 9:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 9:48	11:25	Sunny	3.6	119	84
19-Jan-21 10:20 25-Jan-21 8:25 25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 9:40 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 8:20 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 26-Feb-21 10:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:25 15-Mar-21 9:48	9:20	Sunny	5.3	102	40
25-Jan-21 8:25 25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 9:40 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 8:20 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 23-Feb-21 10:40 3-Mar-21 10:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:25 15-Mar-21 10:25 115-Mar-21 10:48	10:20	Sunny	5.3	103	37
25-Jan-21 9:25 25-Jan-21 10:25 29-Jan-21 8:40 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 8:20 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:25 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 9:48	11:20	Sunny	5.8	107	41
25-Jan-21 10:25 29-Jan-21 8:40 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 8:20 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 26-Feb-21 9:40 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:25 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 9:48	9:25	Sunny	1.9	11	70
29-Jan-21 8:40 29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 8:20 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 23-Feb-21 10:40 3-Mar-21 9:40 26-Feb-21 10:18 9-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 10:25 119-Mar-21 9:48	10:25	Sunny	0.8	20	78
29-Jan-21 9:40 29-Jan-21 10:40 4-Feb-21 8:20 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 10:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 23-Feb-21 10:40 3-Mar-21 9:40 26-Feb-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 10:25 19-Mar-21 9:48	11:25	Sunny	2.8	63	86
29-Jan-21 10:40 4-Feb-21 8:20 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 8:30 10-Feb-21 9:30 10-Feb-21 10:30 16-Feb-21 9:30 16-Feb-21 9:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 11:15 26-Feb-21 9:40 26-Feb-21 9:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 9:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 9:48	9:40	Sunny	3.9	80	41
4-Feb-21 8:20 4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 8:30 10-Feb-21 9:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 10:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 26-Feb-21 9:40 26-Feb-21 9:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 9:48	10:40	Sunny	4.7	100	38
4-Feb-21 9:20 4-Feb-21 10:20 10-Feb-21 8:30 10-Feb-21 9:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 9:30 16-Feb-21 9:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 26-Feb-21 9:40 26-Feb-21 9:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 9:48	11:40	Sunny	5.3	96	48
4-Feb-21 10:20 10-Feb-21 8:30 10-Feb-21 9:30 10-Feb-21 10:30 16-Feb-21 10:30 16-Feb-21 9:30 16-Feb-21 9:30 16-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 10:15 22-Feb-21 10:15 26-Feb-21 9:40 26-Feb-21 9:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 9:48	9:20	Sunny	3.9	110	71
10-Feb-21 8:30 10-Feb-21 9:30 10-Feb-21 10:30 16-Feb-21 8:30 16-Feb-21 9:30 16-Feb-21 9:30 16-Feb-21 9:30 22-Feb-21 10:30 22-Feb-21 10:15 22-Feb-21 11:15 26-Feb-21 9:40 26-Feb-21 9:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 9:48	10:20	Sunny	2.8	111	78
10-Feb-21 9:30 10-Feb-21 10:30 16-Feb-21 8:30 16-Feb-21 9:30 16-Feb-21 9:30 16-Feb-21 10:30 22-Feb-21 9:15 22-Feb-21 10:15 22-Feb-21 11:15 26-Feb-21 9:40 26-Feb-21 9:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 9:25 15-Mar-21 8:48 19-Mar-21 9:48	11:20	Sunny	3.3	100	86
10-Feb-21 10:30 16-Feb-21 8:30 16-Feb-21 9:30 16-Feb-21 10:30 22-Feb-21 9:15 22-Feb-21 10:15 22-Feb-21 11:15 26-Feb-21 8:40 26-Feb-21 9:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 9:48	9:30	Cloudy	5.3	89	65
16-Feb-21 8:30 16-Feb-21 9:30 16-Feb-21 10:30 22-Feb-21 9:15 22-Feb-21 10:15 22-Feb-21 11:15 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 9:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 9:48	10:30	Cloudy	1.4	30	71
16-Feb-21 9:30 16-Feb-21 10:30 22-Feb-21 9:15 22-Feb-21 10:15 22-Feb-21 11:15 26-Feb-21 8:40 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	11:30	Cloudy	3.9	319	77
16-Feb-21 10:30 22-Feb-21 9:15 22-Feb-21 10:15 22-Feb-21 11:15 26-Feb-21 8:40 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 10:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 9:48	9:30	Sunny	5.3	94	21
22-Feb-21 9:15 22-Feb-21 10:15 22-Feb-21 11:15 26-Feb-21 8:40 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	10:30	Sunny	5.0	101	27
22-Feb-21 10:15 22-Feb-21 11:15 26-Feb-21 8:40 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 8:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	11:30	Sunny	5.3	101	26
22-Feb-21 11:15 26-Feb-21 8:40 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 8:18 3-Mar-21 10:18 9-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 9:48	10:15	Sunny	0.3	203	41
26-Feb-21 8:40 26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 9:48	11:15	Sunny	2.5	135	35
26-Feb-21 9:40 26-Feb-21 10:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	12:15	Sunny	1.9	122	46
26-Feb-21 10:40 3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	9:40	Cloudy	2.2	102	31
3-Mar-21 8:18 3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 9:48	10:40	Cloudy	1.1	86	28
3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 9:48	11:40	Cloudy	2.2	145	27
3-Mar-21 9:18 3-Mar-21 10:18 9-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 10:25 19-Mar-21 9:48	9:18	Cloudy	5.8	92	36
3-Mar-21 10:18 9-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	10:18	Cloudy	5.8	94	49
9-Mar-21 9:17 9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	11:18	Cloudy	6.9	90	44
9-Mar-21 10:17 9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	10:17	Cloudy	4.2	79	66
9-Mar-21 11:17 15-Mar-21 8:25 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	11:17	Cloudy	4.2	61	73
15-Mar-21 8:25 15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	12:17	Cloudy	3.9	56	80
15-Mar-21 9:25 15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	9:25	Fine	3.1	107	33
15-Mar-21 10:25 19-Mar-21 8:48 19-Mar-21 9:48	10:25	Fine	3.3	112	29
19-Mar-21 8:48 19-Mar-21 9:48	11:25	Fine	5.0	104	27
19-Mar-21 9:48	9:48	Sunny	4.4	94	60
	10:48	Sunny	3.3	96	44
17 IVIGI 61 1U.40	11:48	Sunny	3.3	86	46
	9:17		5.3	103	46
		Fine	4.7	65	41
25-Mar-21 9:17	10:17	Fine			
25-Mar-21 10:17	11:17	Fine	5.8	78	39
31-Mar-21 8:20	0.20	Fine	1.7	variable	41
31-Mar-21 9:20 31-Mar-21 10:20	9:20 10:20	Fine Fine	2.5 2.8	126 134	35 36

Graphical Presentation for 1-hour TSP Monitoring at AMS2



Kai Tak Sports Park

							2021					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization												
C&D Waste Disposal (By vessel)		-										
Pile Cap Construction												
Loading/ Unloading of Materials		7	200									
Excavation		-	-									
Ground Investigation			_									
C&D Waste Disposal		0-0										
Piling (Percussive Piling)	-											
Piling (Socket H Piling)		4										
Piling (Bored Piling)												
Concreting												
Lifting												
C&D Materials Internal Transportation			-									

					-	20)21					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Socket H Piling	-											
Loading/ Unloading of Materials												
Excavation	ii.	i de										
C&D Waste Disposal	(i											

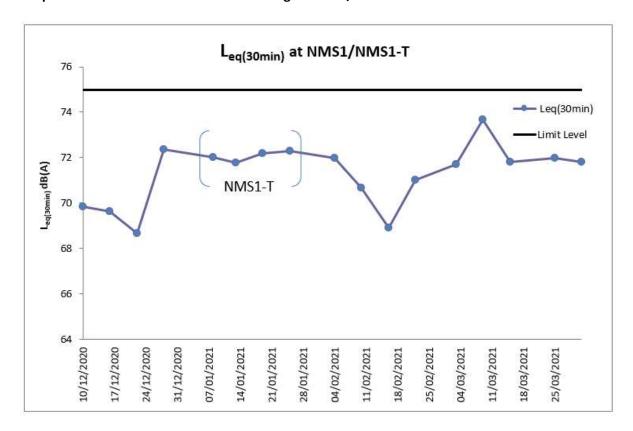
Data for Noise Monitoring at Station NMS1/NMS1-T

* 8-Jan-21 8:41 Cloudy 72.4 75.7 64.7 * 8-Jan-21 8:46 Cloudy 72.0 75.1 65.4 * 8-Jan-21 8:55 Cloudy 72.3 75.0 64.9 * 8-Jan-21 8:56 Cloudy 72.1 75.1 66.9 * 8-Jan-21 9:06 Cloudy 71.5 74.6 66.2 * 8-Jan-21 9:06 Cloudy 71.6 74.8 65.5 * 13-Jan-21 9:11 Sunny 71.4 74.3 64.7 * 13-Jan-21 9:16 Sunny 72.3 75.2 65.6 * 13-Jan-21 9:16 Sunny 72.1 75.5 65.9 * 13-Jan-21 9:26 Sunny 71.1 74.9 64.8 71.8 * 13-Jan-21 9:31 Sunny 71.7 74.8 65.6 * 13-Jan-21 9:36 Sunny 72.0 75.6 65.7 * 19-Jan-21 9:07 Sunny 72.0 75.6 65.7 * 19-Jan-21 9:17 Sunny 72.4 75.2 65.8 * 19-Jan-21 9:17 Sunny 72.4 75.2 65.8 * 19-Jan-21 9:17 Sunny 72.7 75.6 65.9 * 19-Jan-21 9:27 Sunny 71.5 74.0 64.3 * 19-Jan-21 9:27 Sunny 71.9 74.3 64.2 * 19-Jan-21 9:28 Sunny 71.9 74.3 64.3 * 19-Jan-21 9:29 Sunny 71.9 74.3 64.3 * 25-Jan-21 9:16 Sunny 71.9 74.2 64.7 * 25-Jan-21 9:16 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:16 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:17 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:18 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:19 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:10 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:11 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:12 Sunny 71.9 74.2 64.7 * 25-Jan-21 9:15 Sunny 72.8 74.0 65.7 * 4-Feb-21 9:17 Sunny 72.8 74.0 70.1 * 4-Feb-21 9:17 Cloudy 70.1 72.3 64.5 * 10-Feb-21 9:15 Sunny 72.4 73.5 69.8 * 10-Feb-21 9:15 Sunny 69.8 71.3 65.6 * 10-Feb-21 9:15 Sunny 69.8 71.3 65.6 * 10-Feb-21 9:15 Sunny 69.8 71.3 65.6 * 10-Feb-21 9:15 Sunny 69.7 71.2 65.5 * 22-Feb-21 9:10 Sunny 69.7 71.2 65.5 * 22-Feb-21 9:10 Sunny 69.7 71.2 65.5 * 22-Feb-21 9:10 Sunny 69.7 71.2 65.5 * 22-Feb-21 9:40 Sunny 69.7 71.2 65.5		Date	Time	Weather	$L_{eq(5min)}$	L ₁₀	L ₉₀	Measured L _{eq(30min)}
* 8-Jan-21 8:51 Cloudy 72.3 75.0 64.9 72.0 * 8-Jan-21 8:56 Cloudy 72.1 75.1 65.9 * 8-Jan-21 9:01 Cloudy 71.5 74.6 66.2 * 8-Jan-21 9:01 Cloudy 71.6 74.8 65.5 * 13-Jan-21 9:16 Sunny 71.4 74.3 64.7 * 13-Jan-21 9:16 Sunny 72.1 75.5 65.9 * 13-Jan-21 9:16 Sunny 72.1 75.5 65.9 * 13-Jan-21 9:21 Sunny 71.1 74.9 64.8 65.6 * 13-Jan-21 9:31 Sunny 71.1 74.9 64.8 65.6 * 13-Jan-21 9:36 Sunny 72.0 75.6 65.7 * 13-Jan-21 9:36 Sunny 72.0 75.6 65.7 * 19-Jan-21 9:12 Sunny 72.6 75.1 65.6 * 19-Jan-21 9:12 Sunny 72.7 75.6 65.9 * 19-Jan-21 9:12 Sunny 72.7 75.6 65.9 * 19-Jan-21 9:17 Sunny 72.4 75.2 65.8 72.2 * 19-Jan-21 9:22 Sunny 72.7 75.6 65.9 * 25-Jan-21 9:11 Sunny 72.1 75.3 65.4 * 25-Jan-21 9:15 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:16 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:16 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:18 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:18 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:19 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:19 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:10 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:11 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:12 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:13 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:15 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:17 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:18 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:19 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:10 Sunny 72.8 74.0 65.7	*	8-Jan-21	8:41	Cloudy	72.4	75.7	64.7	
* 8-Jan-21 8:56 Cloudy 72.1 75.1 65.9 72.0 * 8-Jan-21 9:06 Cloudy 71.5 74.6 66.2 * 8-Jan-21 9:06 Cloudy 71.6 74.8 65.5 * 13-Jan-21 9:11 Sunny 71.4 74.3 64.7 * 13-Jan-21 9:16 Sunny 72.3 75.2 65.6 * 13-Jan-21 9:16 Sunny 72.1 75.5 65.9 * 13-Jan-21 9:16 Sunny 72.1 75.5 65.9 * 13-Jan-21 9:21 Sunny 71.1 74.9 64.8 * 13-Jan-21 9:36 Sunny 71.7 74.8 65.6 * 13-Jan-21 9:36 Sunny 72.0 75.6 65.7 * 19-Jan-21 9:36 Sunny 72.0 75.6 65.7 * 19-Jan-21 9:12 Sunny 71.5 74.0 64.3 * 19-Jan-21 9:17 Sunny 72.4 75.2 65.8 * 19-Jan-21 9:17 Sunny 72.7 75.6 65.9 * 19-Jan-21 9:22 Sunny 71.9 74.3 64.2 * 19-Jan-21 9:32 Sunny 71.8 74.3 64.2 * 19-Jan-21 9:32 Sunny 71.8 74.3 64.3 * 25-Jan-21 9:11 Sunny 72.1 75.3 65.4 * 25-Jan-21 9:16 Sunny 72.4 75.5 65.3 72.3 * 25-Jan-21 9:16 Sunny 72.4 75.5 65.3 72.3 * 25-Jan-21 9:21 Sunny 72.4 75.5 65.3 72.3 * 25-Jan-21 9:26 Sunny 71.9 74.2 64.7 * 25-Jan-21 9:26 Sunny 72.6 75.7 65.5 * 25-Jan-21 9:36 Sunny 71.9 74.2 64.7 * 25-Jan-21 9:31 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:32 Sunny 71.8 74.0 65.7 * 25-Jan-21 9:35 Sunny 71.9 74.3 64.0 • 4-Feb-21 9:07 Sunny 72.8 74.0 70.1 • 4-Feb-21 9:07 Sunny 72.8 74.0 70.1 • 4-Feb-21 9:17 Sunny 71.6 73.4 69.8 • 10-Feb-21 9:17 Sunny 71.6 73.4 69.8 • 10-Feb-21 9:17 Sunny 72.1 73.6 65.8 • 10-Feb-21 9:22 Cloudy 71.1 73.6 65.8 • 10-Feb-21 9:32 Cloudy 70.1 72.3 64.5 • 10-Feb-21 9:32 Cloudy 70.1 72.1 64.4 • 10-Feb-21 9:35 Sunny 69.8 71.3 65.6 • 10-Feb-21 9:35 Sunny 69.8 71.3 65.6 • 10-Feb-21 9:35 Sunny 69.8 71.3 65.6 • 10-Feb-21 9:35 Sunny 69.7 71.2 65.5 • 10-Feb-21 9:30 Sunny 69.7 71.2 65.5	*	8-Jan-21	8:46	Cloudy	72.0	75.1	65.4	
* 8-Jan-21	*	8-Jan-21	8:51	Cloudy	72.3	75.0	64.9	72.0
* 8-lan-21 9:06 Cloudy 71.6 74.8 65.5 * 13-lan-21 9:16 Sunny 71.4 74.3 64.7 * 13-lan-21 9:16 Sunny 72.3 75.2 65.6 * 13-lan-21 9:21 Sunny 72.1 75.5 65.9 * 13-lan-21 9:26 Sunny 71.1 74.9 64.8 71.8 * 13-lan-21 9:31 Sunny 71.7 74.8 65.6 * 13-lan-21 9:36 Sunny 71.7 74.8 65.6 * 13-lan-21 9:36 Sunny 72.0 75.6 65.7 * 19-lan-21 9:37 Sunny 72.0 75.6 65.7 * 19-lan-21 9:17 Sunny 72.0 75.6 65.7 * 19-lan-21 9:17 Sunny 72.4 75.2 65.8 72.2 * 19-lan-21 9:22 Sunny 72.7 75.6 65.9 72.2 * 19-lan-21 9:22 Sunny 72.7 75.6 65.9 72.2 * 19-lan-21 9:27 Sunny 71.9 74.3 64.2 * 19-lan-21 9:28 Sunny 71.9 74.3 64.2 * 25-lan-21 9:11 Sunny 72.1 75.3 65.4 * 25-lan-21 9:16 Sunny 72.4 75.5 65.3 72.3 * 25-lan-21 9:26 Sunny 72.6 75.7 65.5 72.3 * 25-lan-21 9:26 Sunny 72.8 74.0 65.7 * 25-lan-21 9:31 Sunny 72.8 74.0 65.7 * 25-lan-21 9:36 Sunny 72.8 74.0 65.7 * 25-lan-21 9:36 Sunny 72.8 74.0 70.1 4-Feb-21 9:36 Sunny 72.8 74.0 70.1 4-Feb-21 9:17 Sunny 72.8 74.0 70.1 4-Feb-21 9:17 Sunny 72.8 74.0 65.7 4-Feb-21 9:22 Sunny 72.2 74.5 70.4 70.4 4-Feb-21 9:22 Sunny 72.2 74.5 70.4 70.9 4-Feb-21 9:22 Sunny 72.2 74.5 70.4 70.9 4-Feb-21 9:22 Sunny 72.2 74.5 70.4 70.9 4-Feb-21 9:22 Sunny 72.3 74.6 70.9 4-Feb-21 9:32 Sunny 72.1 73.6 65.8 10-Feb-21 9:32 Cloudy 71.1 73.6 65.8 10-Feb-21 9:32 Cloudy 71.1 73.6 65.8 10-Feb-21 9:32 Cloudy 70.1 72.3 64.5 10-Feb-21 9:32 Cloudy 70.1 72.3 64.5 10-Feb-21 9:35 Sunny 69.8 71.3 65.6 16-Feb-21 9:35 Sunny 69.8 71.3 65.6 16-Feb-21 9:30 Sunny 68.4 70.9 64.1 16-Feb-21 9:35 Sunny 69.8 71.3 65.6 16-Feb-21 9:35 Sunny 69.8 71.3 65.6 16-Feb-21 9:35 Sunny 69.8 71.3 65.6 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:30 Sunny 69.2 71.3 65.6	*	8-Jan-21	8:56	Cloudy	72.1	75.1	65.9	/2.0
* 13-Jan-21 9:11 Sunny 71.4 74.3 64.7 * 13-Jan-21 9:16 Sunny 72.3 75.2 65.6 * 13-Jan-21 9:21 Sunny 72.1 75.5 65.9 * 13-Jan-21 9:26 Sunny 71.1 74.9 64.8 * 13-Jan-21 9:31 Sunny 71.7 74.8 65.6 * 13-Jan-21 9:36 Sunny 72.0 75.6 65.7 * 19-Jan-21 9:07 Sunny 72.0 75.6 65.7 * 19-Jan-21 9:12 Sunny 71.5 74.0 64.3 * 19-Jan-21 9:17 Sunny 72.4 75.2 65.8 * 19-Jan-21 9:17 Sunny 72.4 75.2 65.8 * 19-Jan-21 9:22 Sunny 71.8 74.3 64.2 * 19-Jan-21 9:32 Sunny 71.8 74.3 64.2 * 19-Jan-21 9:32 Sunny 71.8 74.3 64.3 * 25-Jan-21 9:11 Sunny 72.1 75.3 65.4 * 25-Jan-21 9:16 Sunny 72.4 75.5 65.3 * 25-Jan-21 9:21 Sunny 72.6 75.7 65.5 * 25-Jan-21 9:26 Sunny 72.6 75.7 65.5 * 25-Jan-21 9:33 Sunny 72.8 74.0 65.7 * 25-Jan-21 9:35 Sunny 72.8 74.0 70.1 4-Feb-21 9:36 Sunny 72.8 74.0 70.1 4-Feb-21 9:17 Sunny 72.8 74.0 70.1 4-Feb-21 9:17 Sunny 71.9 74.3 64.0 4-Feb-21 9:17 Sunny 71.9 74.3 64.0 4-Feb-21 9:17 Sunny 72.8 74.0 70.1 4-Feb-21 9:17 Sunny 71.9 74.3 64.0 10-Feb-21 9:22 Sunny 72.2 74.5 70.4 4-Feb-21 9:17 Sunny 71.6 73.4 69.8 4-Feb-21 9:17 Sunny 72.7 74.5 70.4 4-Feb-21 9:17 Sunny 72.7 74.5 70.4 4-Feb-21 9:27 Sunny 72.2 74.5 70.4 4-Feb-21 9:27 Sunny 72.2 74.5 70.4 4-Feb-21 9:37 Cloudy 70.1 72.3 66.5 10-Feb-21 9:32 Cloudy 71.1 73.6 65.8 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 10-Feb-21 9:42 Cloudy 70.7 72.1 64.4 10-Feb-21 9:45 Sunny 69.8 71.3 65.6 16-Feb-21 9:40 Sunny 68.4 70.1 64.2 16-Feb-21 9:40 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.2 71.3 65.6	*	8-Jan-21	9:01	Cloudy	71.5	74.6	66.2	
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4-Feb-21 9:22 Sunny 72.2 74.5 70.4 4-Feb-21 9:27 Sunny 72.3 74.6 70.9 4-Feb-21 9:32 Sunny 71.4 73.5 69.6 10-Feb-21 9:17 Cloudy 70.1 72.3 64.5 10-Feb-21 9:22 Cloudy 71.4 73.6 65.8 10-Feb-21 9:27 Cloudy 69.6 71.2 64.4 10-Feb-21 9:32 Cloudy 71.1 73.6 65.3 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 10-Feb-21 9:42 Cloudy 70.9 72.3 65.0 16-Feb-21 9:15 Sunny 69.8 71.3 65.6 16-Feb-21 9:20 Sunny 68.4 70.9 64.1 16-Feb-21 9:25 Sunny 67.5 69.0 64.5 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5		4-Feb-21	9:17	Sunny	71.6	73.4	69.8	72.0
4-Feb-21 9:32 Sunny 71.4 73.5 69.6 10-Feb-21 9:17 Cloudy 70.1 72.3 64.5 10-Feb-21 9:22 Cloudy 71.4 73.6 65.8 10-Feb-21 9:27 Cloudy 69.6 71.2 64.4 10-Feb-21 9:32 Cloudy 70.7 72.1 64.4 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 10-Feb-21 9:42 Cloudy 70.9 72.3 65.0 16-Feb-21 9:15 Sunny 69.8 71.3 65.6 16-Feb-21 9:20 Sunny 68.4 70.9 64.1 16-Feb-21 9:25 Sunny 67.5 69.0 64.5 16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6 <td></td> <td>4-Feb-21</td> <td>9:22</td> <td>Sunny</td> <td>72.2</td> <td>74.5</td> <td>70.4</td> <td>/2.0</td>		4-Feb-21	9:22	Sunny	72.2	74.5	70.4	/2.0
10-Feb-21 9:17 Cloudy 70.1 72.3 64.5 10-Feb-21 9:22 Cloudy 71.4 73.6 65.8 10-Feb-21 9:27 Cloudy 69.6 71.2 64.4 10-Feb-21 9:32 Cloudy 71.1 73.6 65.3 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 10-Feb-21 9:42 Cloudy 70.9 72.3 65.0 16-Feb-21 9:15 Sunny 69.8 71.3 65.6 16-Feb-21 9:20 Sunny 68.4 70.9 64.1 16-Feb-21 9:25 Sunny 67.5 69.0 64.5 16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		4-Feb-21	9:27	Sunny	72.3	74.6	70.9	
10-Feb-21 9:22 Cloudy 71.4 73.6 65.8 10-Feb-21 9:27 Cloudy 69.6 71.2 64.4 10-Feb-21 9:32 Cloudy 71.1 73.6 65.3 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 10-Feb-21 9:42 Cloudy 70.9 72.3 65.0 16-Feb-21 9:15 Sunny 69.8 71.3 65.6 16-Feb-21 9:20 Sunny 68.4 70.9 64.1 16-Feb-21 9:25 Sunny 67.5 69.0 64.5 68.9 16-Feb-21 9:30 Sunny 68.4 70.1 64.2 68.9 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		4-Feb-21	9:32	Sunny	71.4	73.5	69.6	
10-Feb-21 9:27 Cloudy 69.6 71.2 64.4 70.7 10-Feb-21 9:32 Cloudy 71.1 73.6 65.3 70.7 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 64.4 64.4 65.0 10-Feb-21 9:42 Cloudy 70.9 72.3 65.0 65.0 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 65.6 66.9 66.5 66.9 66.5 66.9 66.5 66.9 66.5 66.9 66.5 66.9 66.9 66.5 66.9	_	10-Feb-21	9:17	Cloudy	70.1	72.3	64.5	
10-Feb-21 9:32 Cloudy 71.1 73.6 65.3 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 10-Feb-21 9:42 Cloudy 70.9 72.3 65.0 16-Feb-21 9:15 Sunny 69.8 71.3 65.6 16-Feb-21 9:20 Sunny 68.4 70.9 64.1 16-Feb-21 9:25 Sunny 67.5 69.0 64.5 16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		10-Feb-21	9:22	Cloudy	71.4	73.6	65.8	
10-Feb-21 9:32 Cloudy 71.1 73.6 65.3 10-Feb-21 9:37 Cloudy 70.7 72.1 64.4 10-Feb-21 9:42 Cloudy 70.9 72.3 65.0 16-Feb-21 9:15 Sunny 69.8 71.3 65.6 16-Feb-21 9:20 Sunny 68.4 70.9 64.1 16-Feb-21 9:25 Sunny 67.5 69.0 64.5 16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		10-Feb-21	9:27	Cloudy	69.6	71.2	64.4	70.7
10-Feb-21 9:42 Cloudy 70.9 72.3 65.0 16-Feb-21 9:15 Sunny 69.8 71.3 65.6 16-Feb-21 9:20 Sunny 68.4 70.9 64.1 16-Feb-21 9:25 Sunny 67.5 69.0 64.5 16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		10-Feb-21	9:32	Cloudy	71.1	73.6	65.3	70.7
16-Feb-21 9:15 Sunny 69.8 71.3 65.6 16-Feb-21 9:20 Sunny 68.4 70.9 64.1 16-Feb-21 9:25 Sunny 67.5 69.0 64.5 16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		10-Feb-21	9:37	Cloudy	70.7	72.1	64.4	
16-Feb-21 9:20 Sunny 68.4 70.9 64.1 16-Feb-21 9:25 Sunny 67.5 69.0 64.5 16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6	_	10-Feb-21	9:42	Cloudy	70.9	72.3	65.0	
16-Feb-21 9:25 Sunny 67.5 69.0 64.5 16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		16-Feb-21	9:15	Sunny	69.8	71.3	65.6	
16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		16-Feb-21	9:20	Sunny	68.4	70.9	64.1	
16-Feb-21 9:30 Sunny 68.4 70.1 64.2 16-Feb-21 9:35 Sunny 69.2 71.3 65.6 16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		16-Feb-21	9:25	Sunny	67.5	69.0	64.5	68.0
16-Feb-21 9:40 Sunny 69.7 71.2 65.5 22-Feb-21 10:05 Sunny 71.1 74.5 63.6		16-Feb-21	9:30	Sunny		70.1	64.2	00.3
22-Feb-21 10:05 Sunny 71.1 74.5 63.6		16-Feb-21	9:35	Sunny	69.2	71.3	65.6	
	_	16-Feb-21	9:40	Sunny		71.2	65.5	
22-Feb-21 10:10 Sunny 70.8 73.2 65.4		22-Feb-21	10:05	Sunny	71.1	74.5	63.6	
		22-Feb-21	10:10	Sunny	70.8	73.2	65.4	
22-Feb-21 10:15 Sunny 71.0 74.0 63.9 71.0		22-Feb-21	10:15	Sunny	71.0	74.0	63.9	71.0
22-Feb-21 10:20 Sunny 71.9 74.0 63.9		22-Feb-21	10:20	Sunny	71.9	74.0	63.9	/1.0
22-Feb-21 10:25 Sunny 70.3 73.2 63.7		22-Feb-21	10:25	Sunny	70.3	73.2	63.7	
22-Feb-21 10:30 Sunny 70.9 73.2 66.6	622	22-Feb-21	10:30	Sunny	70.9	73.2	66.6	

Date	Time	Weather	L _{eq(5min)}	L ₁₀	L ₉₀	Measured L _{eq(30min)}
3-Mar-21	9:04	Cloudy	71.6	73.1	65.9	
3-Mar-21	9:09	Cloudy	70.2	72.4	64.8	
3-Mar-21	9:14	Cloudy	71.5	73.7	65.1	74.7
3-Mar-21	9:19	Cloudy	72.6	74.3	65.9	71.7
3-Mar-21	9:24	Cloudy	72.4	74.3	65.2	
3-Mar-21	9:29	Cloudy	71.5	73.6	65.0	
9-Mar-21	10:08	Cloudy	73.9	75.9	70.3	
9-Mar-21	10:13	Cloudy	75.0	76.4	73.3	
9-Mar-21	10:18	Cloudy	73.5	76.6	67.4	73.7
9-Mar-21	10:23	Cloudy	68.5	71.1	64.9	73.7
9-Mar-21	10:28	Cloudy	73.6	73.8	66.0	
9-Mar-21	10:33	Cloudy	75.0	77.1	65.7	
15-Mar-21	9:15	Fine	71.9	73.9	65.6	
15-Mar-21	9:20	Fine	72.6	74.4	66.5	
15-Mar-21	9:25	Fine	70.3	72.5	65.7	71.8
15-Mar-21	9:30	Fine	71.4	73.1	65.9	/1.0
15-Mar-21	9:35	Fine	72.1	74.3	66.5	
15-Mar-21	9:40	Fine	72.2	74.4	66.0	
25-Mar-21	9:04	Fine	71.4	73.3	67.5	
25-Mar-21	9:09	Fine	72.1	74.3	68.6	
25-Mar-21	9:14	Fine	72.7	74.6	68.5	72.0
25-Mar-21	9:19	Fine	71.9	73.7	67.8	72.0
25-Mar-21	9:24	Fine	71.2	73.1	67.3	
25-Mar-21	9:29	Fine	72.4	73.9	68.1	
31-Mar-21	9:04	Fine	71.0	74.7	64.7	
31-Mar-21	9:09	Fine	72.0	75.1	61.4	
31-Mar-21	9:14	Fine	72.2	75.4	65.6	74.0
31-Mar-21	9:19	Fine	71.8	73.3	64.1	71.8
31-Mar-21		Fine	71.1	74.4	64.9	
31-Mar-21	9:29	Fine	72.5	75.2	65.7	

^{*} During the reporting period, monitoring station NMS1 was temporary suspended from 4 January 2021 to 25 January 2021, due to a case of COVID-19 diagnosed at the Hong Kong Society for the Blind Workshop. Temporary noise monitoring station, NMS1-T was used to conduct noise monitoring on 8, 13, 19 and 25 January 2021. Details of temporary alternative monitoring locations are presented in Temporary Alternative Proposal for Monitoring Station as proposed by ET and agreed by IEC dated 6 January 2021.

Graphical Presentation for Noise Monitoring at NMS1/NMS1-T



Kai Tak Sports Park

							2021					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization		_										
C&D Waste Disposal (By vessel)		-	+									
Pile Cap Construction			+	-								
Loading/ Unloading of Materials		-										
Excavation		_	-									
Ground Investigation		_	+	_								
C&D Waste Disposal												
Piling (Percussive Piling)		-										
Piling (Socket H Piling)		-	-									
Piling (Bored Piling)		-	-									
Concreting		-										
ifting												
C&D Materials Internal Transportation												

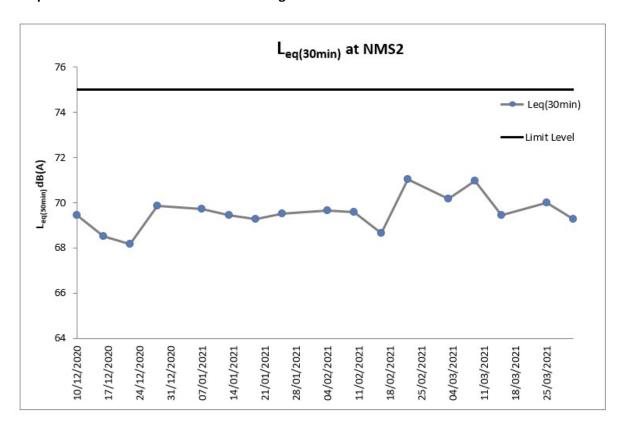
						20	021					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Socket H Piling	6											
Loading/ Unloading of Materials												
Excavation			-0									
C&D Waste Disposal	N.		-									

Data for Noise Monitoring at Station NMS2

Date	Time	Weather	L _{eq(5min)}	L ₁₀	L ₉₀	Measured L _{eq(30min)}
7-Jan-21	9:03	Cloudy	68.9	70.9	64.7	
7-Jan-21	9:08	Cloudy	69.9	72.7	65.9	
7-Jan-21	9:13	Cloudy	70.4	72.0	66.8	CO 7
7-Jan-21	9:18	Cloudy	69.4	72.1	65.1	69.7
7-Jan-21	9:23	Cloudy	70.2	72.1	65.6	
7-Jan-21	9:28	Cloudy	69.4	71.5	66.1	
13-Jan-21	8:28	Sunny	69.2	71.7	65.9	
13-Jan-21	8:33	Sunny	68.9	70.7	64.6	
13-Jan-21	8:38	Sunny	68.3	70.2	65.4	
13-Jan-21	8:43	Sunny	69.1	71.0	66.2	69.4
13-Jan-21	8:48	Sunny	70.1	72.0	66.5	
13-Jan-21	8:53	Sunny	70.6	72.3	66.8	
19-Jan-21	8:23	Sunny	68.9	71.1	64.9	
19-Jan-21	8:28	Sunny	70.1	72.4	66.8	
19-Jan-21	8:33	Sunny	69.2	71.9	65.3	
19-Jan-21	8:38	Sunny	69.7	71.5	65.1	69.3
19-Jan-21	8:43	Sunny	68.3	70.6	64.1	
19-Jan-21	8:48	Sunny	69.1	71.3	65.0	
25-Jan-21	8:28	Sunny	69.0	71.6	65.1	
25-Jan-21	8:33	Sunny	70.9	72.2	66.7	
25-Jan-21	8:38	Sunny	68.3	70.6	65.7	
25-Jan-21	8:43	Sunny	68.3	70.5	65.8	69.5
25-Jan-21	8:48	Sunny	69.5	71.4	65.3	
25-Jan-21	8:53	Sunny	70.3	72.1	66.2	
4-Feb-21	8:23	Sunny	68.2	71.4	65.9	
4-Feb-21	8:28	Sunny	69.0	72.1	66.3	
4-Feb-21	8:33	Sunny	69.9	72.3	66.6	
4-Feb-21	8:38	Sunny	70.3	72.4	66.5	69.6
4-Feb-21	8:43	Sunny	70.4	72.5	66.2	
4-Feb-21	8:48	Sunny	69.6	71.7	65.8	
10-Feb-21	8:33	Cloudy	68.8	70.6	64.7	
10-Feb-21	8:38	Cloudy	69.3	71.2	65.3	
10-Feb-21	8:43	Cloudy	70.2	72.0	66.1	
10-Feb-21	8:48	Cloudy	70.1	72.9	66.4	69.6
10-Feb-21	8:53	Cloudy	69.4	71.5	65.3	
10-Feb-21	8:58	Cloudy	69.6	71.3	65.7	
16-Feb-21	8:33		68.3	70.1	63.2	
		Sunny				
16-Feb-21	8:38	Sunny	67.5	69.0	62.7	
16-Feb-21	8:43	Sunny	68.1	70.3	63.4	68.6
16-Feb-21	8:48	Sunny	69.6	71.4	63.5	
16-Feb-21	8:53	Sunny	68.1	70.3	63.0	
16-Feb-21	8:58	Sunny	69.8	71.7	63.9	
22-Feb-21	9:17	Sunny	71.2	73.9	66.8	
22-Feb-21	9:22	Sunny	70.9	73.0	67.0	
22-Feb-21	9:27	Sunny	70.7	72.3	67.0	71.0
22-Feb-21	9:32	Sunny	72.2	73.6	67.1	
22-Feb-21	9:37	Sunny	70.2	72.4	66.3	
22-Feb-21	9:42	Sunny	70.6	72.8	67.4	

Date	Time	Weather	L _{eq(5min)}	L ₁₀	L ₉₀	Measured L _{eq(30min)}
3-Mar-21	8:20	Cloudy	68.6	70.4	65.2	
3-Mar-21	8:25	Cloudy	69.3	71.1	66.4	
3-Mar-21	8:30	Cloudy	69.5	71.0	66.2	70.2
3-Mar-21	8:35	Cloudy	70.9	72.6	67.1	70.2
3-Mar-21	8:40	Cloudy	70.7	72.6	67.8	
3-Mar-21	8:45	Cloudy	71.3	73.9	68.6	
9-Mar-21	9:22	Cloudy	70.0	72.2	67.3	
9-Mar-21	9:27	Cloudy	70.0	72.1	66.6	
9-Mar-21	9:32	Cloudy	71.5	73.2	67.2	71.0
9-Mar-21	9:37	Cloudy	72.1	72.4	66.9	71.0
9-Mar-21	9:42	Cloudy	71.5	74.1	67.6	
9-Mar-21	9:47	Cloudy	70.1	72.4	66.1	
15-Mar-21	8:28	Fine	68.3	70.2	65.5	
15-Mar-21	8:33	Fine	69.1	71.0	66.6	
15-Mar-21	8:38	Fine	68.1	70.2	65.4	69.5
15-Mar-21	8:43	Fine	70.3	72.5	67.4	09.5
15-Mar-21	8:48	Fine	70.6	72.5	67.8	
15-Mar-21	8:53	Fine	69.7	71.6	66.9	
25-Mar-21	8:20	Fine	68.2	70.3	65.4	
25-Mar-21	8:25	Fine	69.9	71.2	66.1	
25-Mar-21	8:30	Fine	70.4	72.5	67.1	70.0
25-Mar-21	8:35	Fine	69.8	71.5	66.4	70.0
25-Mar-21	8:40	Fine	70.6	72.1	66.9	
25-Mar-21	8:45	Fine	70.6	72.7	67.0	
31-Mar-21	8:23	Fine	68.0	70.3	65.9	
31-Mar-21	8:28	Fine	69.4	71.1	66.8	
31-Mar-21	8:33	Fine	69.2	71.4	66.6	
31-Mar-21	8:38	Fine	70.1	72.3	66.7	69.3
31-Mar-21	8:43	Fine	69.4	71.5	65.5	
31-Mar-21	8:48	Fine	69.2	71.6	65.3	

Graphical Presentation for Noise Monitoring at NMS2

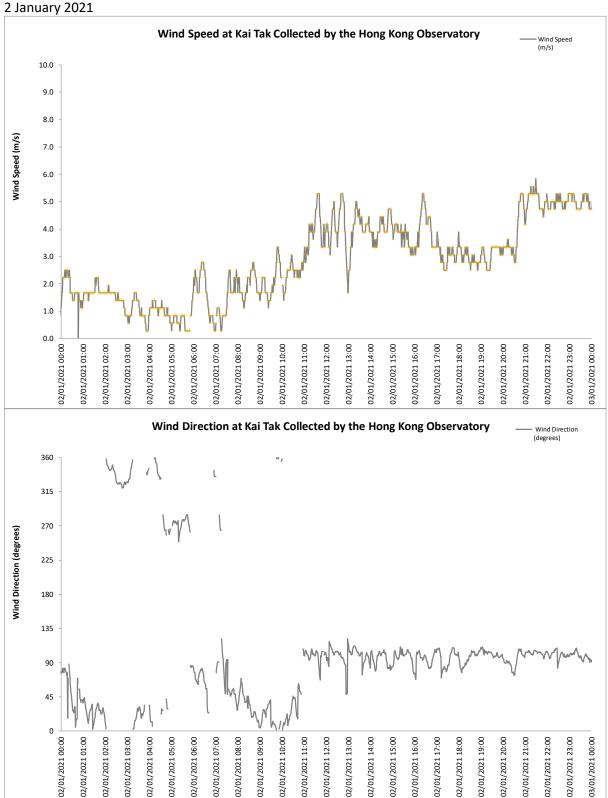


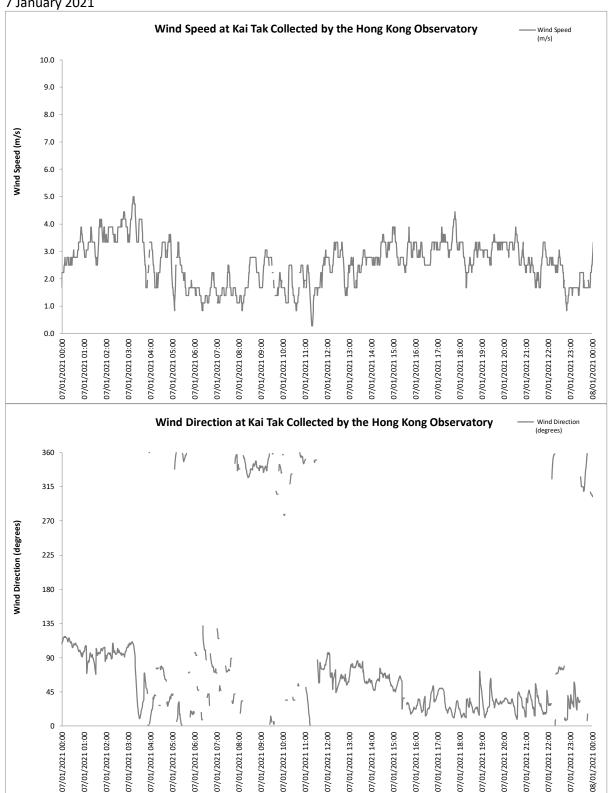
Kai Tak Sports Park

							2021					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Plants Mobilization												
C&D Waste Disposal (By vessel)												
Pile Cap Construction				_								
Loading/ Unloading of Materials	-	-										
Excavation												
Ground Investigation	-											
C&D Waste Disposal												
Piling (Percussive Piling)												
Piling (Socket H Piling)												
Piling (Bored Piling)		0.00										
Concreting												
Lifting												
C&D Materials Internal Transportation												

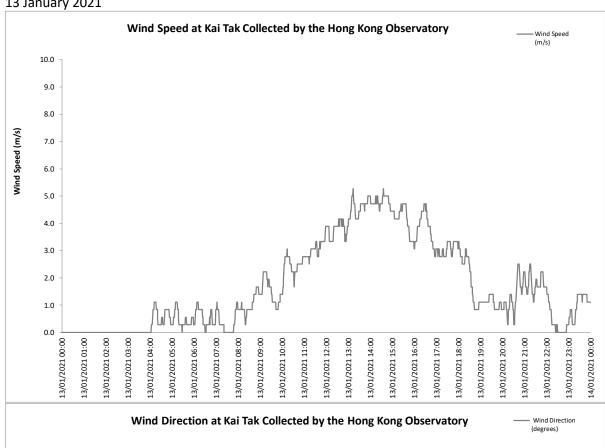
						20	21					
Construction Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Socket H Piling												
Loading/ Unloading of Materials												
Excavation												
C&D Waste Disposal												

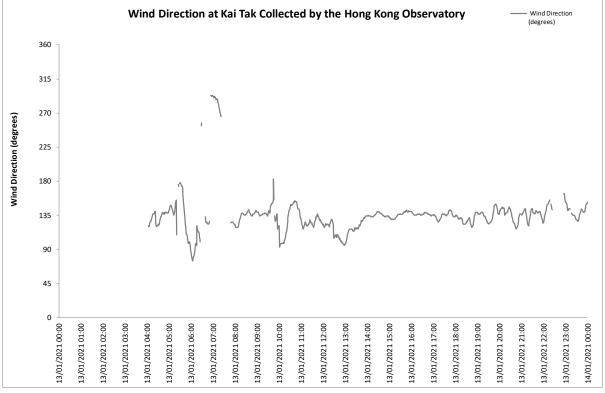
Appendix F. Wind Data

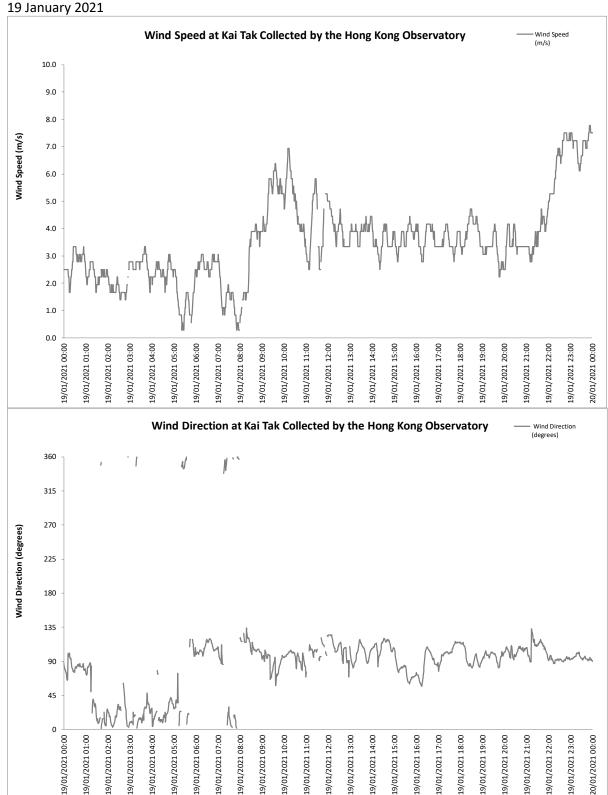


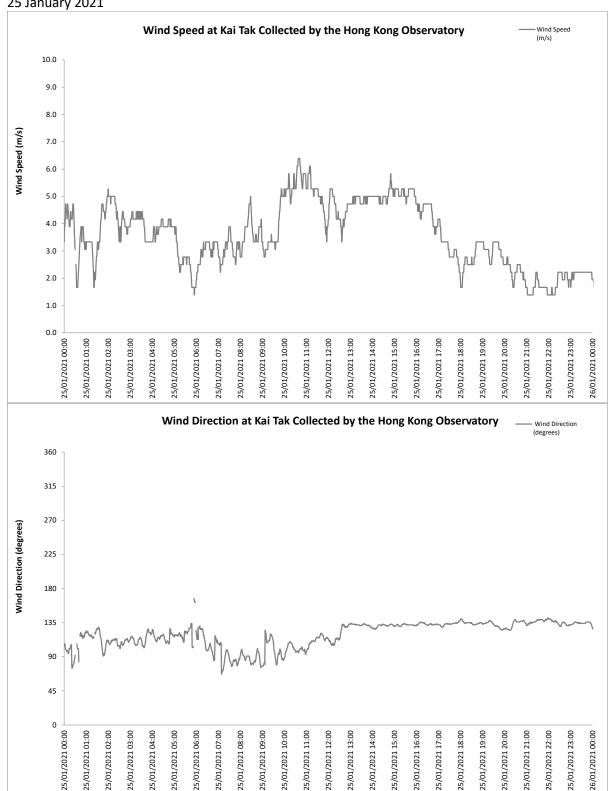


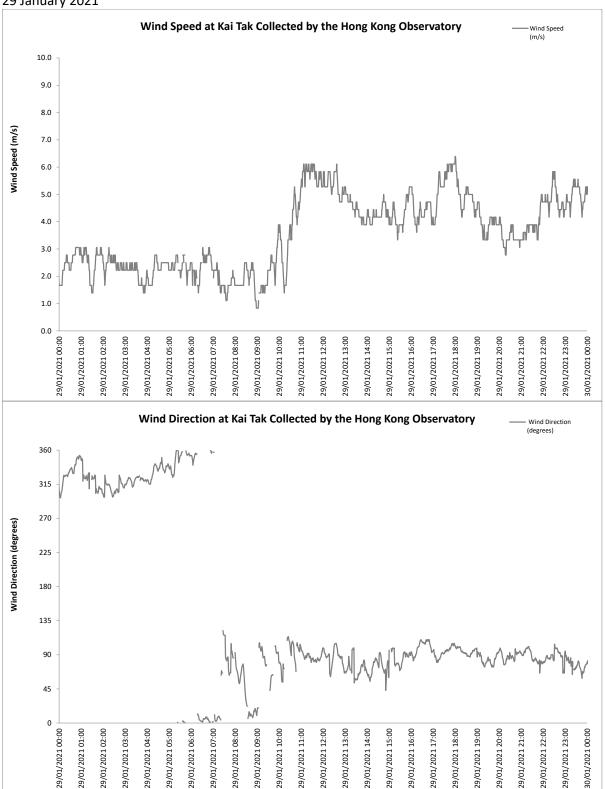
13 January 2021

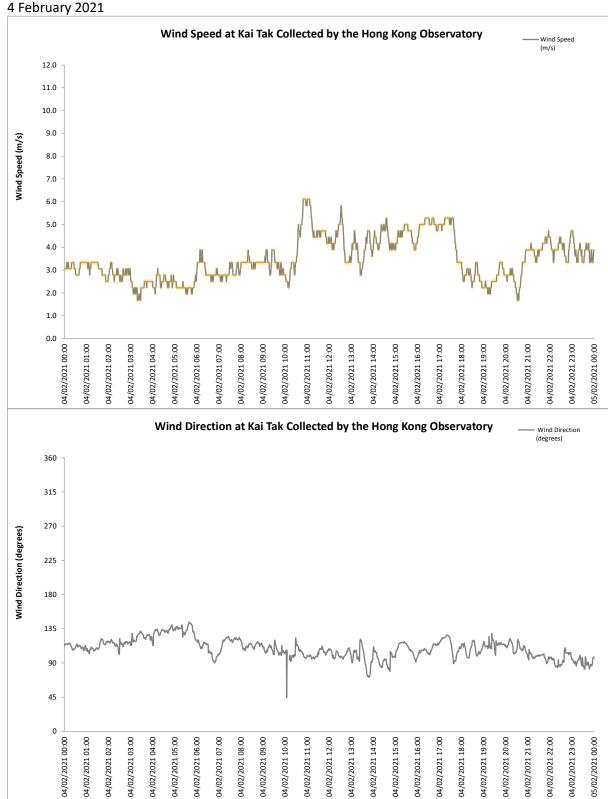


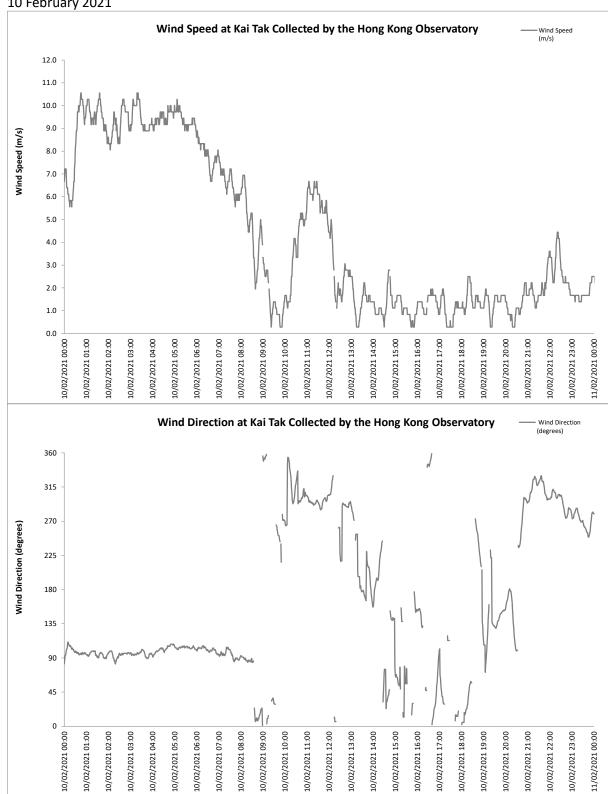




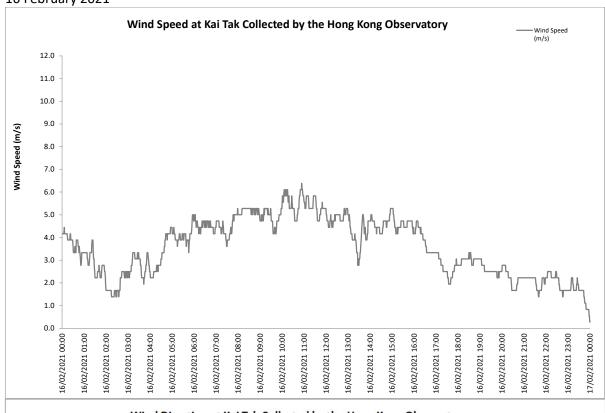


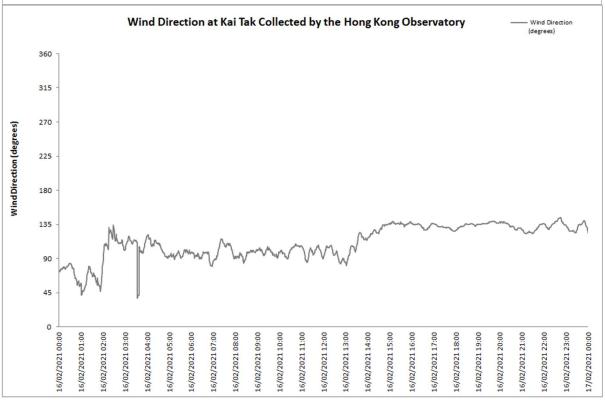


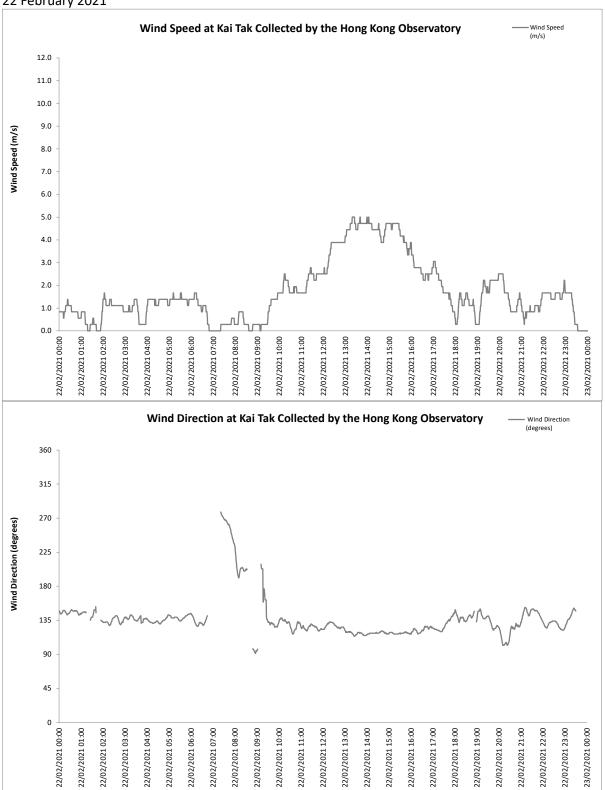


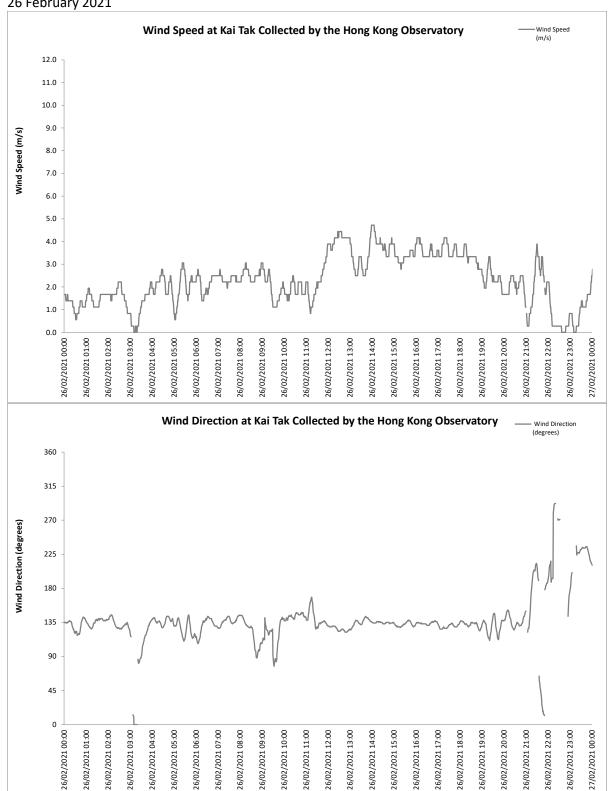


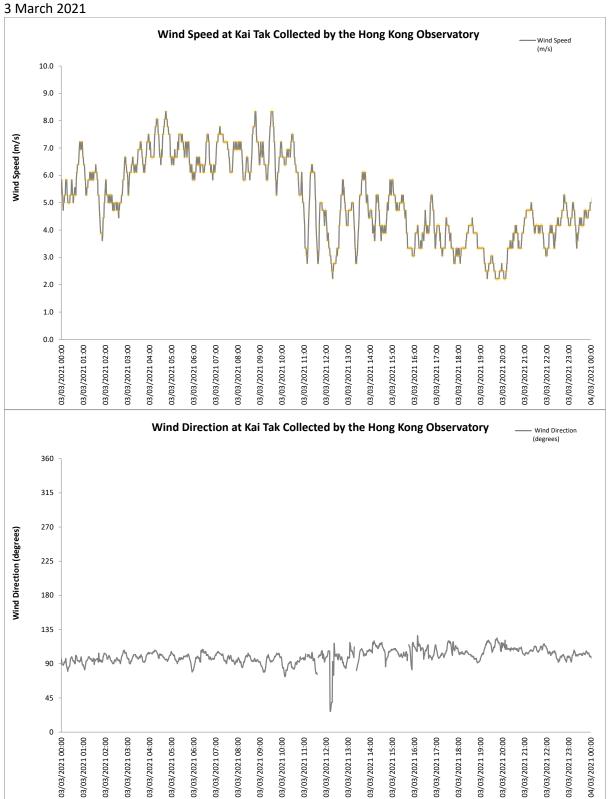
16 February 2021

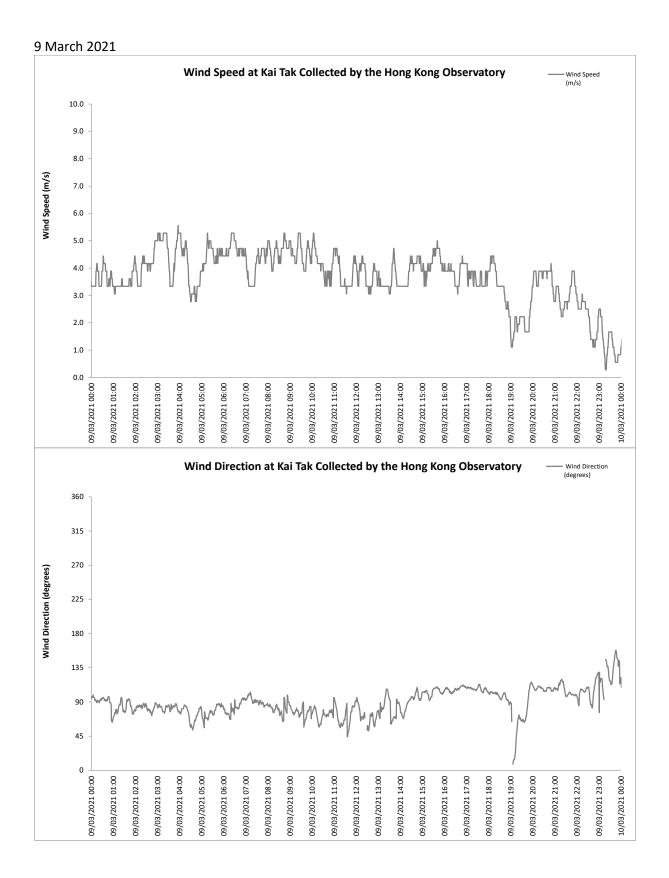


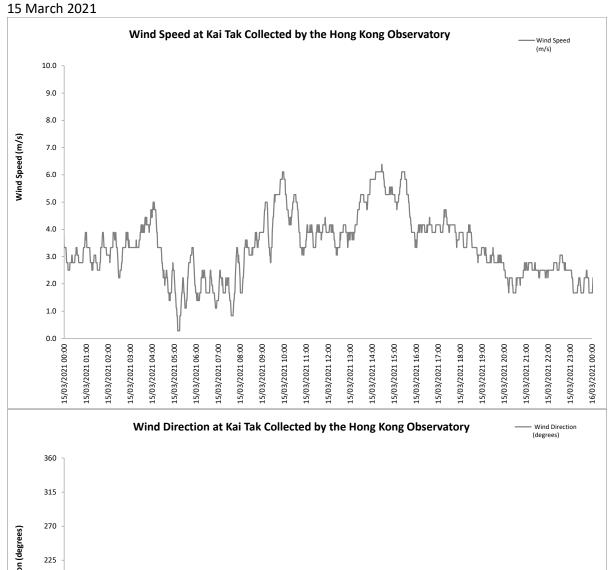


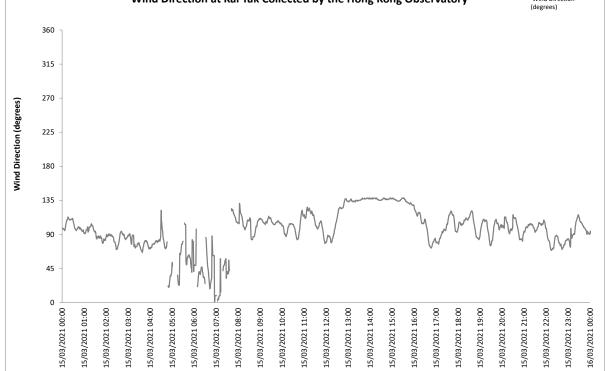


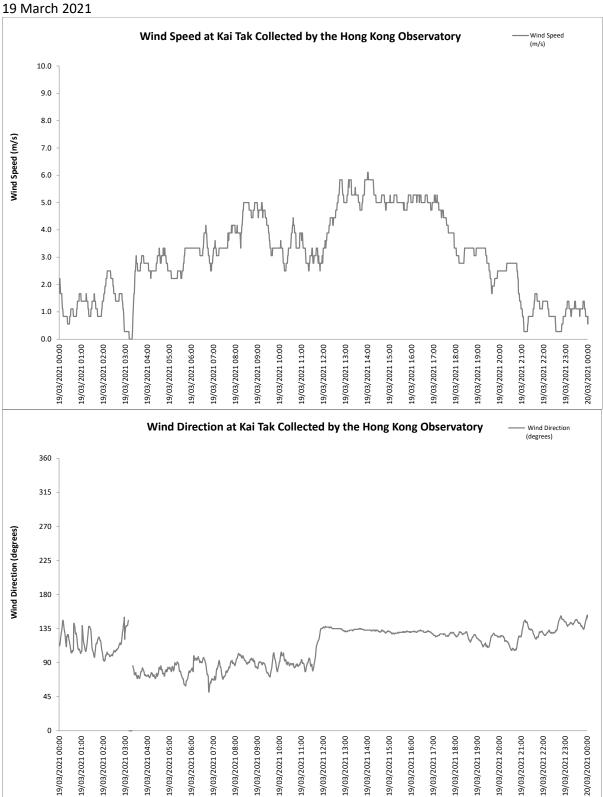


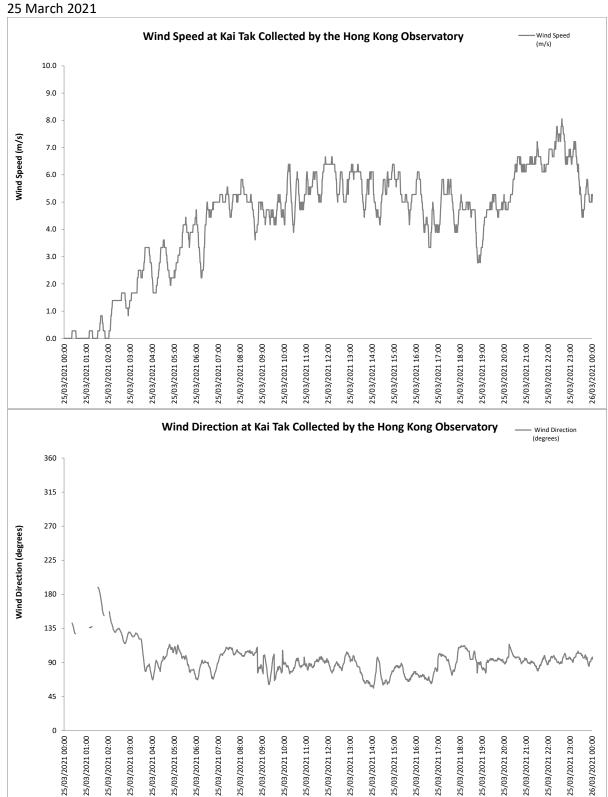


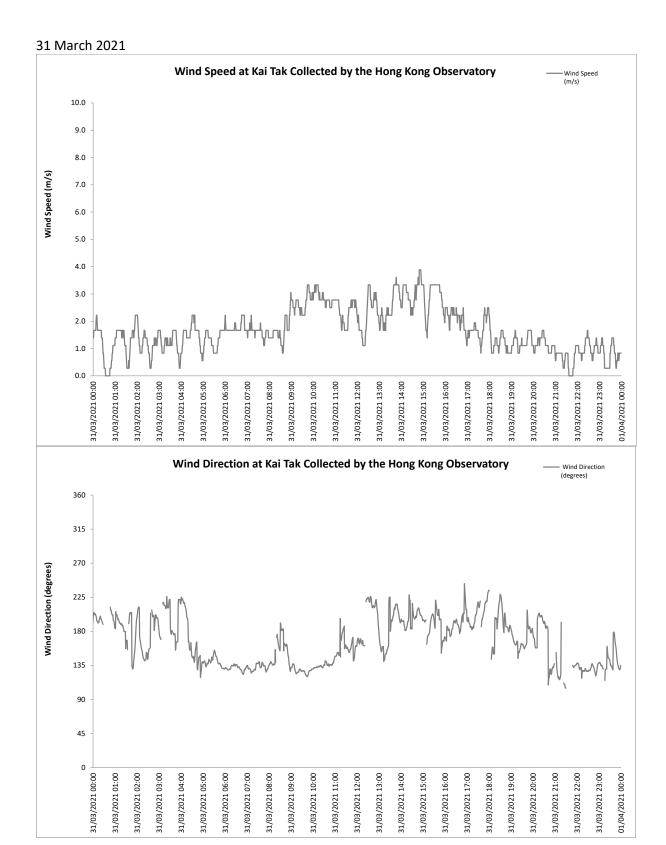












Appendix G. Waste Flow Table

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



Monthly Waste Flow Table

Month	Total	Total		Ad	ctual Quantitie	s of Inert C&D	Materials Ge	nerated Montl	nly		Actu	ıal Quantitie	es of C&D M	laterials Ge	nerated Moi	nthly	Remarks
	Quantity	Quantity	Exc	cavated Mater	rials		Non-e	excavated Mat	erials		Metals	Metals	Paper /	Plastics	Chemical	Other,	
	Generated	Generated (Excluded Excavated Material)	Disposed in Public Fill	Disposed in Sorting Facilities	Other Projects)	Broken Concrete or Construction Waste Collected by Recycled Company	Reused in the Contract	Reused in other Projects	Disposed in Public Fill	Disposed in Sorting Facilities	(steel bar / metal strip) ⁽¹⁾	(aluminum can) ⁽¹⁾	cardboard packaging ⁽¹⁾	(1) & (4)	waste (wasted lubricant oil/ oil container)	e.g. general refuse	
	` 0,	(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	С	d	е	f	g	h	i	j	k	I	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	51419.57	990.74	18740.08	0.00	31688.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00	0.00	990.03	
Total	1054109.28	17886.62	118278.40	0.00	917944.26	0.00	0.00	0.00	0.00	0.00	4116.03	0.59	16.78	31.22	4.20	13717.81	

Total C&D waste generated

Total C&D waste generated (excluding excavated materials)

Total recycled C&D waste

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

1054109.28 tonne

a1=b+c+d+e+f+g+h+i+j+k+l+m

17886.62 tonne

a2=c+d+e+f+q+h+i+j+k+l+m

4164.62 tonne 23.28 % a3=c+d+e+h+i+j+k a4=a3/a2 x 100%

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

- (2) The performance target of waste recycling are specified in the Contract.
- (3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.
- (4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.
- (5) Broken concrete for recycling into aggregates.
- (6) Excavated materials/waste will NOT be considered as part of construction waste. It should be excluded in the calculation.
- (7) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.
- (8)Disposal record for February 2021 and March 2021 have been updated according to the latest information from contractor in March 2021.
- (9) Recycling record for metals, papers and plastics have been updated according to the latest information from contractor in March 2021.

Contract No. BD3/4091/19

Proposed Composite Development at N.K.I.L. 6607 Shing Kai Road, Kai Tak, Kowloon



Monthly Summary Waste Flow Table for 2020

			Act	ual Quantities	s of Inert C&I	O Materials G	enerated Mor	nthly						Actual Quant	ities of C&D	Wastes Gene	rated Monthly	<i>y</i>		
Month	ll .	Quantity erated		Concrete Vote 2)	Reuse Con	d in the tract		in other jects		sed as ic Fill	Me	etals	Paper / c	ardboard aging		stics Note 1)	Chemic	al Waste		her, eral refuse
	(in '0	00 m ³)	(in '00	00 m ³)	(in '0	00 m ³)	(in '0	00 m ³)	(in '00	00 m ³)	(in '0	00 kg)	(in '0	00 kg)	(in '0	00 kg)	(in '0	00 m ³)	(in '0	00 m ³)
	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.
Jan																				
Feb																				
Mar																				
Apr									\setminus					\setminus						
May									\setminus					\setminus						
Jun																				
Sub-total	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	0.00	0.00	0.00	0.00
Jul	-	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	0.00	0.00	0.00
Aug	-	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	0.00	0.00	0.00
Sep	0.20	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct	0.80	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nov	0.80	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dec	0.80	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.60	4.56	0.00	0.00	0.00	0.00	0.00	0.00	2.60	4.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Notes:

- (1) Plastics refer to plastic bottles / container, plastic sheets / foam from packaging material.
- (2) Broken concrete for recycling into aggregates.

Contract No. BD3/4091/19

Proposed Composite Development at N.K.I.L. 6607 Shing Kai Road, Kai Tak, Kowloon



Monthly Summary Waste Flow Table for 2021

			Act	tual Quantities	s of Inert C&I	O Materials G	enerated Mo	nthly						Actual Quant	ities of C&D	Wastes Gene	rated Monthly	ý		
Month		Quantity erated		Concrete Note 2)		d in the tract		in other		sed as ic Fill	Me	etals		ardboard aging		stics Note 1)	(incld. AC	al Waste CM, DCM, at oil)		her, eral refuse
	(in '0	00 m ³)	(in '00	00 m ³)	(in '0	00 m ³)	(in '0	00 m ³)	(in '0	00 m ³)	(in '0	00 kg)	(in '00	00 kg)	(in '0	00 kg)	(in '0	00 m ³)	(in '0	00 m ³)
	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.	Est.	Act.
Jan	0.80	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Feb	0.80	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mar	0.80	0.76	0.00	0.00	0.00	0.00	0.00	5.63	0.80	0.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Apr																				
May																				
Jun																				
Sub-total	2.40	3.18	0.00	0.00	0.00	0.00	0.00	5.63	2.40	3.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jul																				
Aug																				
Sep																				
Oct																				
Nov																				
Dec																				
Total	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	0.00	0.00	0.00	0.00

Notes:

(1) Plastics refer to plastic bottles / container, plastic sheets / foam from packaging material.

(2) Broken concrete for recycling into aggregates.

Appendix H. Environmental Licences and Permits

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

Item No.	Type of Permit / Licence	Reference No.	Application Date	Valid from	Valid until	Remark
1	Environmenta I Permit under EIAO	EP-544/2017	21 Aug 2017	8 Sep 2017	N/A	Issued
2	Construction Dust Notification under APCO	441733	25 Jan 2019	29 Jan 2019	N/A	N/A
3	Construction Waste Disposal Account (Main)	7033182	12 Feb 2019	12 Feb 2019	N/A	N/A
4	Construction Waste Disposal Account (Vessel)	7033555	12 Oct 2020 6 Jan 2021	16 Oct 2020 19 Jan 2021	11 Feb 2021 11 May 2021	Superseded 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-RE0047- 20	29 Oct 2020	16 Nov 2020	10 May 2021	Issued
8	Construction Noise Permit (Construction Works, Barging Point)	GW-RE0910- 20	14 Oct 2020	22 Nov 2020	20 May 2021	Issued
9	Construction Noise Permit (Construction Works, Northern Site)	GW-RE0911- 20	14 Oct 2020	3 Nov 2020	27 Apr 2021	Issued
10	Construction Noise Permit (Construction Works, Southern Site)	GW-RE0916- 20	14 Oct 2020	3 Nov 2020	27 Apr 2021	Issued

Item No.	Type of Permit / Licence	Reference No.	Application Date	Valid from	Valid until	Remark
11	Construction Noise Permit (Construction Works, Northern Site)	GW-RE1129- 20	17 Dec 2020	14 Jan 2021	27 Jun 2021	Issued
12	Construction Noise Permit (Construction Works, Southern Site)	GW-RE1130- 20	17 Dec 2020	14 Jan 2021	27 Jun 2021	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
3	Construction Waste Disposal Account (Main)	7037993	5 Aug 2020	5 Aug 2020	N/A	N/A
4	Registration as a Chemical Waste Producer	WPN5113- 286-C1286- 03	17 Jul 2020	10 Sep 2020	N/A	N/A
5	Discharge Licence under WPCO	N/A	17 Jul 2020	22 Mar 2021	31 Mar 2026	Issued
6	Construction Noise Permit (Percussive Piling)	PP-RE0051- 20	1 Dec 2020	4 Jan 2021	30 Apr 2021	Issued

Appendix I. Environmental Mitigation Measures Implementation Status

Air Quality - Recommended Mitigation Measures

Air Quality Mitigation Measures during construction		entation itus
	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 	✓	✓
 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 	✓	N/A
 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 	Р	✓
 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 be1.) paved with concrete and kept clear of dusty materials, or2.) sprayed or watered to maintain the entire road surface wet	Р	Р
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. 	✓	Р
 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. 	Р	Р

Noise - Recommended Mitigation Measures

Noise Mitigation Measures during construction	Impleme State	
	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	✓	Р
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

	ater Quality Mitigation Measures during construction	Impleme Stat	
		KTSP	H/O
•	Practices outlined in ProPECC PN 1/94 Construction Site Drainage should be adopted.	Р	Р
•	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.	N/A	N/A
	- 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		
•	The runoff and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the TM-DSS.	Р	Р
•	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 stockniles should be covered with targaulin or impensious sheets at all times		√
•	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.	√ √	√ √
•			
•	The stockpiles of materials should be placed at locations away from any stream courses so as to avoid releasing materials into the water bodies.	✓	✓
•	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	√ √	√ ✓
•	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	√ √	√ √ √
•	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	✓ ✓ ✓	✓ ✓ ✓
•	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.		✓ ✓ ✓ P

 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.	Р	Р
 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	Implemer State	
	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 	Р	√
 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 	Р	√
 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 	✓	✓

Dianage dry wests or wests with less than 700/, water content by weight to landfill	√	✓
Dispose dry waste or waste with less than 70% water content by weight to landfill Fillow the Code of Provide and the Provide Advanced Character of Character (Character) The code of Provide and the Provide Advanced Character (Character) The code of Character (Character) The cod		•
 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 		
Comply with the requirement of the chemical storage area:	Р	✓
- Store only chemical waste and label clearly the chemical characters of the waste		
- Have at least 3 sides enclosed and protected from rainfall with cover - Provide sufficient ventilation		
- Provide sufficient ventilation - Have impermeable floor and has bunds to contain 110% of the capacity of the largest container or		
20% of the total volume of the stored waste in the area, whichever is larger - Adequately spaced incompatible materials		
 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		ntation us
	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 	✓	✓
andscape and Visual – Recommended Mitigation Measures		
Landscape and Visual Mitigation Measures during construction	Impleme Stat	
	KTSP	H/O
Construction Lighting Control	✓	N/A
 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). 		
 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	N/A	N/A
- 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.		

Legend:

Implemented Not implemented Partially implemented Not applicable

Other - Recommended Mitigation Measures

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

N/A

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

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

Reporting Period	Complaints	Notifications of Summons	Successful Prosecutions
This reporting period (Jan to Mar 2021)	4	0	0
From commencement date of construction to end of reporting month	14	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 : HK2045301

CLIENT : ENVIROTECH SERVICES CO.

ADDRESS : RM113, 1/F, MY LOFT, 9 HOI WING ROAD, SUB-BATCH : 1

TUEN MUN, N.T. HONG KONG

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

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

Signatories Position

Richard Fung

Managing Director

This is the Final Report and supersedes any preliminary report with this batch number.

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

: HK2045301 WORK ORDER

SUB-BATCH

: 1 : ENVIROTECH SERVICES CO. CLIENT

PROJECT



ALS Lab	Client's Sample ID	Sample	Sample Date	External Lab Report No.
ID		Туре		
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/m³ (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

0.05 0.045

0.04

0.035

0.025

0.015

0.01 0.005 y = 0.0011x + 0.0011

 $R^2 = 0.9865$

20

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





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, SUB-BATCH : 1

TUEN MUN, N.T. HONG KONG

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

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

Signatories Position

Richard Fung

Managing Director

This is the Final Report and supersedes any preliminary report with this batch number.

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

: HK2045304 WORK ORDER

SUB-BATCH

: 1 : ENVIROTECH SERVICES CO. CLIENT

PROJECT



ALS Lab	Client's Sample ID	_	Sample Date	External Lab Report No.
ID		Туре		
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/m³ (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

0.05 0.045 0.04 0.035 0.03 0.025 0.02 y = 0.0011x + 0.0011 0.015 $R^2 = 0.9867$ 0.01 0.005 0 10 20 40 50

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 : ____ Date : ____ 30 November 2020

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



Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

:

Certificate No.:

C202843

證書編號

· ITEM TESTED / 送檢項目 (Job No. / 序引編號: IC20-1013)

Date of Receipt / 收件日期: 12 May 2020

Description / 儀器名稱

Precision Acoustic Calibrator

Manufacturer / 製造商

LARSON DAVIS

Model No. /型號

CAL200

Serial No./編號

11333

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:

 $(50 \pm 25)\%$

Line Voltage / 電壓 : ---

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期

23 May 2020

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
- 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

Tel/電話: (852) 2927 2606

核證

K C Lee

簽發日期

Date of Issue

25 May 2020

K C Lee Engineer

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

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

Sun Creation Engineering Limited – Calibration & Testing Laboratory c/o 4F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 輝創工程有限公司 - 校正及檢測實驗所 c/o 香港新界屯門與安里一號四樓



Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration

Certificate No.: C202843

證書編號

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:

TST150A

Equipment ID CL130 CL281

Description

Universal Counter

Multifunction Acoustic Calibrator Measuring Amplifier

Certificate No.

CDK1806821 C201309

C193756

4. Test procedure: MA100N.

5. Results:

5.1 Sound Level Accuracy

UUT	Measured Value	Mfr's Spec.	Uncertainty of Measured Value
Nominal Value	(dB)	(dB)	(dB)
94 dB, 1 kHz	93.8	± 0.2	± 0.2
114 dB, 1 kHz	113.8		

Frequency Accuracy

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

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

Note:

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

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

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

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Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.:

C203822

證書編號

ITEM TESTED / 送檢項目 (Job No. / 序引編號: IC20-1389)

Date of Receipt / 收件日期: 30 June 2020

Description / 儀器名稱

Sound Level Meter

Manufacturer / 製造商

Rion

Model No./型號

NL-52 01010406

Serial No./編號

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

Relative Humidity / 相對濕度 :

 $(50 \pm 25)\%$

Line Voltage / 電壓 :

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期

9 July 2020

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
- The Bruel & Kjaer Calibration Laboratory, Denmark

Tested By

測試

K P Cheuk

Assistant Engineer

Certified By 核證

Tel/電話: (852) 2927 2606

Lee

Date of Issue 簽發日期

10 July 2020

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

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Fax/傳真: (852) 2744 8986

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



Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.:

C203822

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

C200258

CL281

Multifunction Acoustic Calibrator

CDK1806821

- 5. Test procedure: MA101N.
- 6. Results:
- 6.1 Sound Pressure Level
- 6.1.1 Reference Sound Pressure Level

20.00	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	93.8	± 1.1

6.1.2 Linearity

	UUT Setting Applied Value						
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	
30 - 130	L_A	A	Fast	94.00	1	93.8 (Ref.)	
				104.00		103.9	
				114.00		113.8	

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

6.2 Time Weighting

	UUT	Setting		Applied Value		UUT	IEC 61672 Class 1 Spec. (dB)
Range (dB)	Function	Frequency Weighting	Time Weighting	ne Level Freq.		Reading (dB)	
30 - 130	L_{A}	A	Fast	94.00	1	. 93.8	Ref.
			Slow			93.8	± 0.3

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

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Fax/傳真: (852) 2744 8986

Tel/電話: (852) 2927 2606



Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C203822

證書編號

6.3 Frequency Weighting

6.3.1 A-Weighting

	UUT	Setting		Appl	ied Value	UUT	IEC 61672
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Class 1 Spec. (dB)
30 - 130	L _A	A	Fast	94.00	63 Hz	67.5	-26.2 ± 1.5
					125 Hz	77.6	-16.1 ± 1.5
					250 Hz	85.1	-8.6 ± 1.4
					500 Hz	90.6	-3.2 ± 1.4
					1 kHz	93.8	Ref.
					2 kHz	95.1	$+1.2 \pm 1.6$
					4 kHz	94.9	$+1.0 \pm 1.6$
					8 kHz	92.8	-1.1 (+2.1; -3.1)
					12.5 kHz	89.4	-4.3 (+3.0; -6.0)

6.3.2 C-Weighting

	UUT	Setting		Appli	ied Value	UUT	IEC 61672
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Class 1 Spec. (dB)
30 - 130	L _C	C	Fast	94.00	63 Hz	92.9	-0.8 ± 1.5
					125 Hz	93.6	-0.2 ± 1.5
					250 Hz	93.8	0.0 ± 1.4
					500 Hz	93.8	0.0 ± 1.4
					1 kHz	93.8	Ref.
					2 kHz	93.7	-0.2 ± 1.6
					4 kHz	93.0	-0.8 ± 1.6
		1,1/2			8 kHz	90.9	-3.0 (+2.1; -3.1)
					12.5 kHz	87.5	-6.2 (+3.0; -6.0)

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

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

Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986



Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.:

C203822

證書編號

Remarks: - UUT Microphone Model No.: UC-59 & S/N: 04871

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value : 94 dB : 63 Hz - 125 Hz : \pm 0.35 dB

250 Hz - 500 Hz : $\pm 0.30 \text{ dB}$ 1 kHz : $\pm 0.20 \text{ dB}$ 2 kHz - 4 kHz : $\pm 0.35 \text{ dB}$ 8 kHz : $\pm 0.45 \text{ dB}$ 12.5 kHz : $\pm 0.70 \text{ dB}$

104 dB : 1 kHz : \pm 0.10 dB (Ref. 94 dB) 114 dB : 1 kHz : \pm 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.

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

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

Certificate of Calibration

for

~		
1)00	cription:	
L/Co	JI WILLOIL.	

Sound Level Meter

Manufacturer:

RION

Type No.:

NL-18 (Serial No.: 00360030)

Microphone:

UC-53A (Serial No.:307435)

Preamplifier:

NH-19 (Serial No.:23946)

Submitted by:

Customer:

Envirotech Services Co.

Address:

Rm. 113, 1/F., My Loft, 9 Hoi Wing Road, Tuen Mun, N.T.,

Hong Kong

TT		Particular Control of Control of	C	1.1			•	101/1000 X	*
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\mathbf{v}	NOIL	LCCCIPI	101	calibration,	the mone	muut was	lumu	w	DC.

☑ Within

☐ Outside

the allowable tolerance.

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

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

Date of receipt: 5 March 2020

Date of calibration: 9 March 2020

Calibrated by:

Certified by:

Mr. Ng Yan Wa

Date of issue: 9 March 2020

Vaboratory Manager

Certificate No.: APJ19-173-CC001



1. Calibration Precaution:

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

2. Calibration Conditions:

Air Temperature:

24.7°**C**

Air Pressure:

1008 hPa

Relative Humidity:

63.4%

3. Calibration Equipment:

Type	Serial No.	Calibration Report Number	Traceable to
B&K 4226	2288467	A V/180064	HOKIYE

Multifunction Calibrator

4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Sett	ing of Un	it-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. V	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB	
40-100	dBA	SPL	Fast	94	1000	94.0	±0.4	

Linearity

Setti	ing of Uni	t-under-t	est (UUT)	App	lied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
				94		94.0	Ref
60-120	dBA	SPL	Fast	104	1000	104.0	±0.3
				114		114.0	±0.3

Time Weighting

Sett	ing of Unit	t-under-te	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB	
40-100	dBA	CDI	Fast	0.4	1000	94.0	Ref	
40-100	dbA	SPL	Slow	94	1000	94.0	±0.3	

E-mail: inquiry@aa-lab.com

Certificate No.: APJ19-173-CC001

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

Frequency Response

Linear Response

Sett	ing of Unit	-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. We	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	94.1	±2.0
	4				63	94.1	±1.5
				4	125	94.0	±1.5
				6	250	93.9	±1.4
40-100	dB	SPL	Fast	94	500	93.9	±1.4
					1000	94.0	Ref
					2000	93.7	±1.6
					4000	93.4	±1.6
					8000	91.6	+2.1; -3.1

A-weighting

Setting of Unit-under-test (UUT)			Applied value		UUT Reading,	IEC 61672 Class 1	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	54.5	-39.4 ±2.0
			63	67.6	-26.2 ±1.5		
40-100			Fast	94	125	77.6	-16.1±1.5
					250	85.0	-8.6±1.4
	dBA	BA SPL			500	90.6	-3.2±1.4
					1000	94.0	Ref
					2000	94.9	+1.2±1.6
					4000	94.4	+1.0±1.6
					8000	90.6	-1.1+2.1; -3.1

C-weighting

Setting of Unit-under-test (UUT)		Applied value		UUT Reading,	IEC 61672 Class 1		
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.2	-3.0±2.0
					63	93.3	-0.8 ± 1.5
					125	93.8	-0.2 ±1.5
			1 , 7 y '' ' - ''		250	93.9	-0.0 ±1.4
40-100	dBC	SPL	Fast	94	500	93.9	-0.0 ± 1.4
					1000	94.0	Ref
					2000	93.5	-0.2 ±1.6
	111				4000	92.6	-0.8 ±1.6
					8000	88.7	-3.0 +2.1; -3.1

Certificate No.: APJ19-173-CC001

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5. Calibration Results Applied

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

Uncertainties of Applied Value:

94 dB	31.5 Hz	± 0.10
	63 Hz	± 0.15
	125 Hz	± 0.10
	250 Hz	± 0.10
	500 Hz	± 0.05
	1000 Hz	± 0.05
	2000 Hz	± 0.05
	4000 Hz	± 0.10
	8000 Hz	± 0.10
104 dB	1000 Hz	± 0.05
114 dB	1000 Hz	± 0.05

The uncertainties are evaluated for a 95% confidence level.

Note:

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

(A+A) *L

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Appendix L. Complaint Investigation Report

Complaint Investigation Report

RECEIPT OF COMPLAINT Ref: COM_0011 Date: 2 February 2021 Time: 17:10 From: P S Chan (Hip Hing Construction Limited) Via: Email Contact no .: COMPLAINANT Mr. Ivan T. W. Yip Address: Name: Contact no .: 2117 7572

DETAILS OF COMPLAINT

Date: 12 January 2021

Time: -

Parameter:* Dust Noise Water Other (specify):

Description:

- Complaint of muddy water discharge from construction site at Shing Kai Road (Kowloon Bay direction) near Sung Wong Toi Road.
- -Please ensure the work fulfil the relevant environmental legislations and their subsidiary regulations. Please take necessary measures to minimize the environmental nuisance arising from the construction site.

INVESTIGATION RESULT & RESPONSE

ET, IEC and SOR notified on: 2 February 2021 Investigation conducted on: 3 February 2021

Result of investigation:

- 1. According to the contractor's information, no construction works were carried out at the described location on 12 January 2021. It was unlikely that potential source of muddy water was generated from the project site at the concerned location. (See attached location plan)
- 2. Site investigation was carried out on 3 February 2021, and details of findings summarised as follow:
- No muddy water along Shing Kai Road (Kowloon Bay direction) near Sung Wong Toi Road was observed. (Photos 1a and 1b)
- No muddy water along site boundary along Shing Kai Road (Kowloon Bay direction) (Photo 2).

Therefore, the environmental complaint is considered not related to Kai Tak Sports Park project.

RECOMMENDATIONS / MITIGATION MEASURES / ACTIONS

Environmental mitigation measures have been maintained as follow:

- 1. Wheel washing facilities have been installed and implemented at all site exits. (Photo 3)
- 2. Water spraying by water truck has been suspended in front of North 1 Gate.(Photo 4)

Prepared by: Sunny Chan Title: Environmental Team Leader

Signature: Date: 8 February 2021



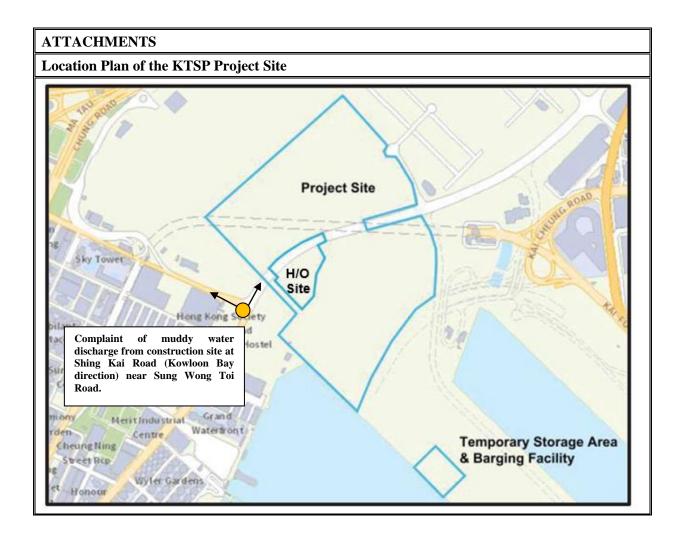




Photo Records:



Photo 1a: Road condition at Shing Kai Road (Kowloon Bay direction) near Sung Wong Toi Road (3 February 2021)



Photo 1b: Road condition at Shing Kai Road (Kowloon Bay direction) near Sung Wong Toi Road (3 February 2021)

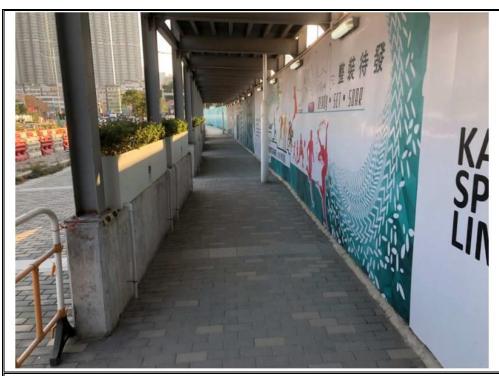


Photo 2: KTSP Site Boundary near Shing Kai Road (Kowloon Bay direction) (3 February 2021)

Environmental Measure Implemented:



Photo 3: Wheel washing facility has been installed and implemented at all site exits.



Photo 4: Water spraying by water truck has been suspended in front of North 1 Gate.



Complaint Investigation Report

RECEIPT OF COM	PLAINT	Ref: COM_0012				
Date:	3 March 2021					
Time:	09:34					
From:	Keith Man (Home Affairs Bureau)					
Via:	Email					
Contact no.:	-					
COMPLAINANT						
Name:	- Address: -					
Contact no.:	-					
DETAILS OF COM	DETAILS OF COMPLAINT					
Date:	18 Feb 2021					
Time:	-					
Parameter:*	Dust Noise Water Other (specify):					
Description:						
- Complaint of dust emission from Kai Tak Sports Park near Muk Tai Street.						
INVESTIGATION I	RESULT & RESPONSE					

Result of investigation:

ET, IEC and SOR notified on:

Investigation conducted on:

- 1. According to the contractor's information, site area near Muk Tai Street is mainly site office and carpark area.(see attached location plan) No dust emission construction activities were carried out near Muk Tai Street.
- 2. According to the contractor's information, construction vehicles were limited to access northern site area from gates N1, N2 and N3 only. (see attached location plan). Gate N4 was only limited to private vehicles and shuttle bus, therefore no construction vehicles were allowed to access from N4 near Muk Tai Street.
- 3. Dust mitigation measures have been implemented and maintained on site:
- Site hoarding was implemented along the site boundary at Muk Tak Street (photo 1)
- Wheel washing facilities have been installed and implemented at all site exits. (photo 2)
- Regular water spraying has been provided on haul road to maintain wet surface. (photo 3)

Therefore, the environmental complaint is considered not related to Kai Tak Sports Park project.

3 March 2021 5 March 2021

RECOMMENDATIONS / MITIGATION MEASURES / ACTIONS

Environmental mitigation measures have been maintained as follow:

- 1. Site hoardings have been installed along site boundary.(photo 1)
- 2. Wheel washing facilities have been installed and implemented at all site exits. (Photo 2)
- 3. Regular water spraying has been provided on haul road to maintain wet surface. (Photo 3)

Prepared by:	Sunny Chan	Title:	Environmental Team Leader
Signature:	Sumy Chan	Date:	9 March 2021



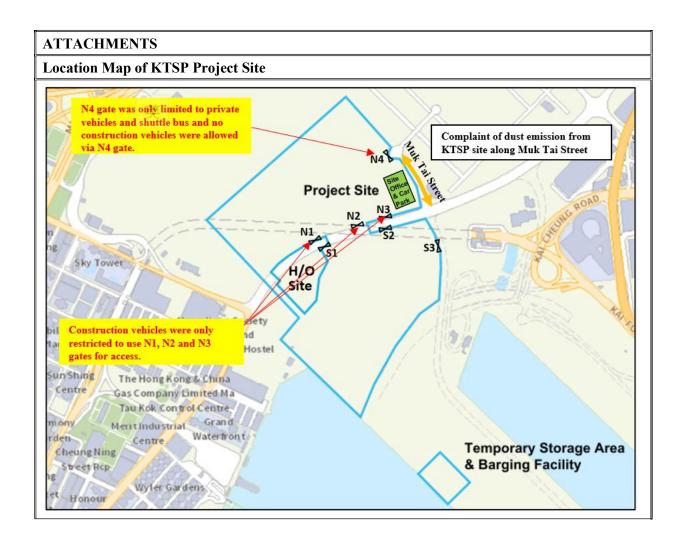




Photo Records:

Environmental Measure Implemented:



Photo 1: Site hoardings have been installed along site boundary. (Muk Tai Street direction) (5 March 2021)



Photo 2: Wheel washing facilities have been installed and implemented at all site exits.

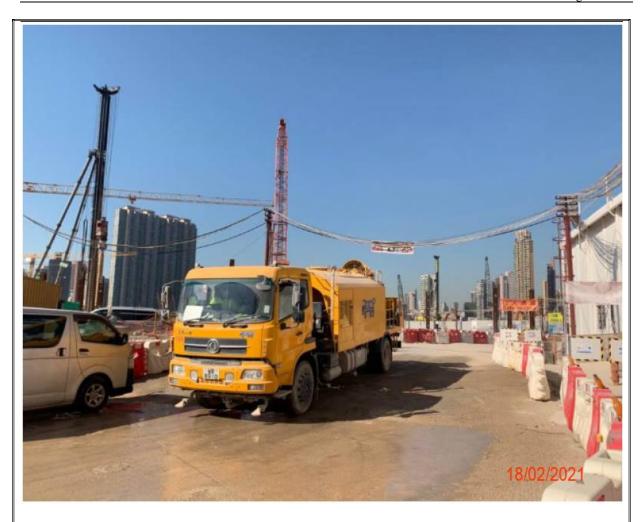


Photo 3: Regular water spraying by water truck has been provided to main haul road to ensure wet surface on site. (18 February 2021)



Complaint Investigation Report

RECEIPT OF COM	IPLAINT			Ref: COM_0013	
Date:	26 March 202	21			
Time:	13:32				
From:	PS Chan (Hip	Hing Constru	action Co., Ltd.)		
Via:	Email				
Contact no.:	-				
COMPLAINANT					
Name:	-		Address:	-	
Contact no.:	-				
DETAILS OF COM	IPLAINT				
Date:	10 March 2021	and 15 March	2021		
Time:	-				
Parameter:*	Dust No.	vise Water	Other (specify):		
Description:					
- Muddy water discl	harge; dust & ho	isekeeping prob	olem at vehicle entries along Shi	ng Kai Road.	
		trucks getting of	out from haul road 3C near Sun	g Wong Toi Road, and contaminated the	
public pavement and					
- Please ensure the work fulfill the relevant environmental legislations and their subsidiary regulations. Please take necessary measures to minimize the environmental nuisance arising from the construction site.					
INVESTIGATION RESULT & RESPONSE					
ET, IEC and SOR n	otified on:	26 March	2021		
Investigation condu	cted on:	26 March	2021		
Result of investigati	ion:				
		y contractor an	d ET on 15 March 2021 and 26	March 2021. The results of investigation	
were summarized as	_				
- No discharge of muddy water was observed at vehicle entries along Shing Kai Road. (photo 1)					
- Regular water spraying on haul road was provided to maintain wet surface to minimise dust emission. (photo 2)					
 - Wheel washing facilities were installed and implemented at haul road 3C. (photo 3) - A worker has been assigned to maintain the tidiness of the haul road 3C (photo 4) 					
- A worker has been	i assigned to mai	ntain the tidines	s of the flath road 5C (photo 4)		
As all relevant dus	st and water qua	ality mitigation	measures have been well ma	intained and implemented, the relevant	
complaint was cons					
RECOMMENDAT	IONS / MITIGA	ΓΙΟΝ MEASUI	RES / ACTIONS		

Environmental mitigation measures have been maintained as follow:

- 1. Regular water spraying on haul road to maintain wet surface to minimise dust emission. (photo 2)
- 2. Wheel washing facilities have been installed and implemented at haul road 3C. (photo 3)
- 3. A worker has been assigned to maintain the tidiness of the haul road 3C (photo 4)

Prepared by:	Sunny Chan	Title:	Environmental Team Leader
Signature:	Sumy Chan	Date:	29 March 2021



Attachment:

Photo Records:

Environmental Measure Implemented:

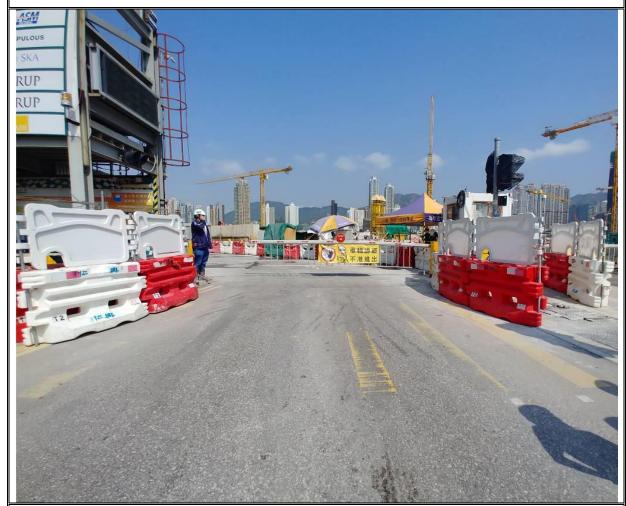


Photo 1: No discharge of muddy water was observed at vehicle entries along Shing Kai Road. (15 March 2021)



Photo 2: Regular water spraying on haul road to maintain wet surface to minimise dust emission. (15 March 2021)



Photo 3: Wheel washing facilities have been installed and implemented at the vehicle access of haul road 3C. (15 March 2021)



Photo 4: A worker has been assigned to maintain the tidiness at the vehicle access of the haul road 3C.

(15 March 2021)



Complaint Investigation Report

			- E		- I		
RECEIPT OF COM	PLAINT					Ref: COM_0014	
Date:	26 March	2021					
Time:	13:32						
From:	PS Chan	PS Chan (Hip Hing Construction Co., Ltd.)					
Via:	Email						
Contact no.:	-						
COMPLAINANT							
Name:	-				Address: -		
Contact no.:	-						
DETAILS OF COM	IPLAINT						
Date:	25 March	2021					
Time:	-						
Parameter:*	Dust	Noise	Water	Other (specify)):		
Description:							
- Complainant said t	hat muddy y	water was o	lischarged fr	om a vehicle entr	y of the site of Spor	rts Park at Shing Kai Road	

INVESTIGATION RESULT & RESPONSE

ET, IEC and SOR notified on: 26 March 2021 Investigation conducted on: 26 March 2021

Result of investigation:

1. Joint site investigation was carried out by contractor and ET on 26 March 2021. The results of investigation were summarized as following:

- Please ensure the work fulfill the relevant environmental legislations and their subsidiary regulations. Please take necessary

- No discharge of muddy water was observed at vehicle entries along Shing Kai Road. (photo 1)
- Wheel washing facilities were installed and implemented at site access. (photo 2)

measures to minimize the environmental nuisance arising from the construction site.

- Earth bund was provided to trap the site runoff. (photo 3)
- Cut off drainage was implemented at site entrances.(photo 4)

As all water quality mitigation measures at the vehicle accesses have been well maintained and implemented, the relevant complaint was considered not valid for the Kai Tak Sports Park project.

RECOMMENDATIONS / MITIGATION MEASURES / ACTIONS

Environmental mitigation measures have been maintained as follow:

- 1. Wheel washing facilities were installed and implemented at vehicle access. (photo 2)
- 2. Earth bund was provided to trap the site runoff. (photo 3)
- 3. Cut off drainage was implemented at vehicle access.(photo 4)
- 4. Regular cleaning of vehicle access to maintain road surface near vehicle access clear. (photo 5)

Prepared by:	Sunny Chan	Title:	Environmental Team Leader
Signature:	Summy Chan	Date:	29 March 2021



Attachment:

Photo Records:

Environmental Measure Implemented:



Photo 1: No discharge of muddy water was observed at vehicle entries along Shing Kai Road. (26 March 2021)



Photo 2: Wheel washing facilities were installed and implemented at vehicle access. (26 March 2021)



Photo 3: Earth bund was provided to trap the site runoff. (26 March 2021)

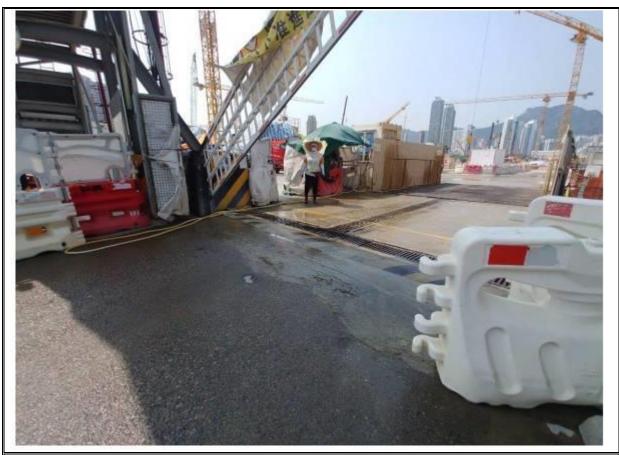


Photo 4: Cut off drainage was implemented at vehicle access. (26 March 2021)

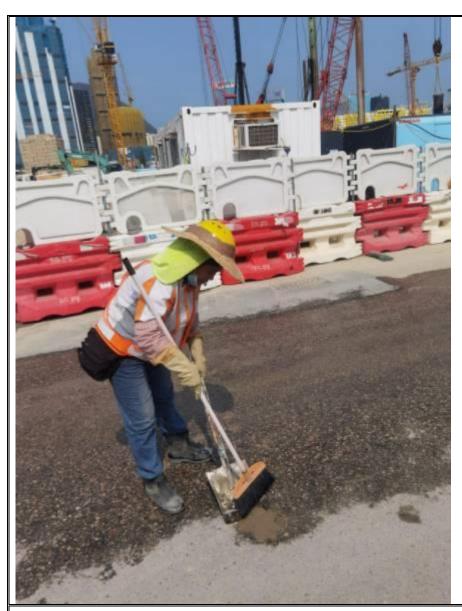


Photo 5: Regular cleaning of vehicle access to maintain road surface near vehicle access clear. (26 March 2021)