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14 June 2024

By Post and Email

AECOM Asia Company Limited 12/F, Grand Central Plaza, Tower 2 138 Shatin Rural Committee Road Shatin, Hong Kong

Attention: Ms. Fanny Lau

Dear Madam,

Re: Contract No. ED/2018/01 – Kai Tak Development Stage 4 Infrastructure at the Former Runway and South Apron

Monthly EM&A Report for May 2024

Reference is made to the Environmental Team's submission of the Monthly EM&A Report for May 2024 (Version 1.1) certified by the ET Leader and provided to us via email on 13 June 2024.

Please be advised that we have no further comment on the captioned Monthly EM&A Report in accordance with Condition 3.3 of EP-337/2009 and Condition 3.2 of EP-445/2013/B.

Thank you for your attention. Please do not hesitate to contact the undersigned should you have any queries.

Yours faithfully, For and on behalf of Ramboll Hong Kong Limited

Y H Hui Independent Environmental Checker

c.c. CEDD Ka Shing Penta-Ocean Attn.: Mr. Jason Wong Attn.: Mr. Chan Pang Attn.: Mr. Daniel Ho Fax: 2739 0076 By Email Fax: 2572 4080

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Environmental Monitoring and Audit Report

for

Contract No. ED/2018/01 –

Kai Tak Development – Stage 4 infrastructure at the former runway and south apron

Contract No.: EDO 15/2018

May 2024

(Version 1.1)

Certified By:	1
	(Environmental Team Leader)

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EXECUTIVE SUMMARY

This is the 53rd Monthly Environmental Monitoring & Audit (EM&A) report which summaries the findings of the EM&A Programme during the reporting period from 1 to 31 May 2024.

Breaches of Action and Limit Levels

- 1) 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 2) 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded.
- 3) Construction noise monitoring was conducted as scheduled in the reporting month. No Action Level and Limit Level exceedance was recorded in the reporting month.
- 4) Summary of the non-compliance in the reporting month for the Project is tabulated in Table I.

Devenenter	No. of Ex	A stion Talson	
Parameter	Action Level	Limit Level	Action Taken
1-hr TSP	0	0	N/A
24-hr TSP	0	0	N/A
Construction noise	0	0	N/A

 Table I
 Non-compliance Record in the Reporting Month

Complaint log

5) Two complaints were received in the reporting month. Summary of complaints in the reporting month is tabulated in Table II.

Date of complaint received	Description of complaint	Investigation / Recommendations / Action taken	Close-out date / Status
A dust complaint was received by	The dust emission	Investigation Joint site inspection was conducted by Contractor	-Closed-o ut on 04

Table II Summary of complaints in the Reporting Month

Date of complaint	Description of complaint	Investiga	ation /	Recom	menda	tions / A	Action t	aken	Close-out date /
Hotline 1823 on 20 May 2024. ER (AECOM) and Contractor (POC) received the transferred from Hotline 1823 (Case No. 3-822603823 4) on 20 May 2024 and forwarded the E-mail to ET, and IEC on same day.	generated from a excavator near EVA No. 10 which affecting the surrounding residents. The complainant also expressed doubt the effectiveness of implementati on of environment al management system.	 (POC), ER, and ET on 23 May 2024. 1. The complaint is not directly project-related since C&D stockpiling works from nearby construction sites. Those are the possible sources of dust nuisance. 2. As per the email reply by Mr. Tony Tang from POC on 21 May 2024, the concerned area (section of Shing Fung Road) was near EVA No. 10. The POC proposed to implement measures for mitigate the dust nuisance. 3. The nearest surrounding resident to the concerned area is 580.23m 4. As per Mr. Tony Tang from POC, POC will provide a worker starting from 22 May 2024 to spray water at the concerned location (Near EVA No. 10) within office hour to suppress dust emission no matter there is any loading or unloading of dusty materials site activities. 5. Based on the monitoring results on 20 May 2024, 1-hour and 24-hour TSP results were below the Action Levels and Limit as shown as 			June 2024				
		belov	w.	М3	AM	4(A)	A	M7	
			1-ho	24-h	1-ho	24-h	1-ho	24-h	
			ur TSP	our TSP	ur TSP	our TSP	ur TSP	our TSP	
		Measured	44	42	56-6	/	53 -	54	
		result	-48		3		57		
		$(\mu g/m^3)$							
		Action	297	182	326	187	315	181	
		Level $(\mu g/m^3)$							
		$ \begin{array}{c} \text{Limit} \\ \text{Level} \\ (\mu g/m^3) \end{array} $	500	260	500	260	500	260	
		6. The mana revie 7. No ad found meas <u>Action taken</u>	effect agement wed. dverse dverse durin sures a	ctivene nt sys observa g the si re impl	ss of tem in tion aga te inspe emente	the npleme ninst the ection. T ed prope	enviro nted h dust im The dus erly.	onmental as been pact were t control	

Date of complaint received	Description of complaint	Investigation / Recommendations / Action taken	Close-out date / Status
		 Regularly monitor all the Powered Mechanical Equipment (PME) to ensure no dark smoke emission. Arrange to cover the stockpile with tarpaulin sheet to prevent dust emission. Arrange resources to spray water during excavator loading and unloading of dusty material which have including fill material and sub-base. <u>Recommendations</u> There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality: The share haul road in Shing Fung Road should be washed regularly. Dust mitigation control should be done at the work site 8 times per day. Stockpiling sites should be lined with impermeable sheeting and bunded. Stockpiles should be fully covered by impermeable sheeting to reduce dust emission. 	
A waste management complaint was received by Hotline 1823 on25 May 2024. The public complaint is received via 1823 (Case No.: 3-823493805 0) on 25 May 2024 and forwarded by	Rodent problem at the junction of Shing Kai Road & Shing Fung Road	 Investigation Joint site inspection was conducted by Contractor (POC), ER, IEC and ET on 30 May 2024. Accumulation of waste was found in the concerned area, the grade road (Shing Kai Road to NAR) and the junction of Road D3 (Shing Kai Road Junction). No trace of rats was found during inspection but flies were present. Waste management measures were not implemented properly. There were no sufficient waste disposal points and regular dispose of waste at the concerned area. The complaint was project-related as improper disposal of waste could lead to occurrence of rats. 	- Closed- out on 04 June 2024

Date of complaint received	Description of complaint	Investigation / Recommendations / Action taken	Close-out date / Status
CEDD on 27 May 2024, and forwarded to ER, Contractor, ET and IEC.		 Poisonous rat bait was placed within the site boundary. Workers received regular briefing about proper waste management. The general waste was collected and removed after site inspection on 30 May 2024. <u>Recommendations</u> There was related evidence showing that the waste nuisance at the concerned area was caused by the Contractor (POC). However, it is recommended to implement the following measures to minimize the impact of waste accumulation. Multiple waste disposal points should be set up for proper waste storage. Frequency of waste cleaning and collection should be increased to prevent waste accumulation. Training should be provided to workers about the concepts of site cleanliness and appropriate waste 	Status
		management procedures, including waste reduction, reuse and recycle.	

Notifications of summons and successful prosecutions

6) No notification of summons and successful prosecutions was received in the reporting month. Summary of summons and successful prosecutions in the reporting month is tabulated in Table III.

		<i>2</i> 1	1 0	
Date of receiving notification of summons or prosecutions	Date of event	Description of event	Action take	Close-out date / Status
No notification of summons and	NA	NA	NA	NA

Table III Summary of summons and successful prosecutions in the Reporting Month

Date of receiving notification of summons or prosecutions	Date of event	Description of event	Action take	Close-out date / Status
successful prosecutions were				
the reporting month.				

Report changes

7) There was no reporting change in the reporting month.

Key construction works in the reporting month

- 8) Major construction activities undertake during the reporting month included:
 - Construction of Floating Stage
 - Remedial works in Cell of DCS Intake Box Culvert
 - Granolithic finish work of Harbour Steps
 - Construction of Observation Deck
 - Erection of steel members of Temporary Management Office
 - Erection of steel members of Toilet cum and Changing Room
 - Construction of draw pit and pipe ducting at Open Space and Promenade
 - Installation of drainage near Pumping Station
 - Finishing work in Pumping Station
 - Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck

Future key issues

9) The future key issues and potential impact in the coming month are given in Table IV.

Table IV Summary of future key issues and potential impact in the coming month

Future key issues in the coming month	Potential impact
Construction of Floating Stage	Noise and Air Quality, Chemical

Future key issues in the coming month	Potential impact
	and Waste Management
Remedial works in Cell of DCS Intake Box Culvert	Noise, Air and Water Quality
Grandithia finish work of Harbour Stong	Noise and Air Quality, Chemical
Granolithic finish work of Harbour Steps	and Waste Management
Construction of Observation Deals	Noise and Air Quality, Chemical
Construction of Observation Deck	and Waste Management
Fraction of steel members of Temporery Management Office	Noise and Air Quality, Chemical
Election of steel members of Temporary Management Office	and Waste Management
Erection of steel members of Toilet cum and Changing Room	Noise, Air and Water Quality
Construction of draw pit and pipe ducting at Open Space and	Noise and Air Quality, Chemical
Promenade	and Waste Management
Installation of drainage near Dumping Station	Noise and Air Quality, Chemical
instantation of dramage near r uniping Station	and Waste Management
Finishing work in Dumping Station	Noise and Air Quality, Chemical
	and Waste Management
Construction of U-channel and footing of Rain Shelter and Feature Shelter at Elevated Landscape Deck	Noise, Air and Water Quality

1. INTRODUCTION

Project Background

- 1.1 The Kai Tak Development (KTD) is located in the south-eastern part of Kowloon Peninsula of the HKSAR, comprising the apron and runway areas of the former Kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling.
- 1.2 Contract No. ED/2018/01 Kai Tak Development stage 4 infrastructure at the former runway and south apron (The Project), comprises mainly the design and construction of a dual two- lane Road D3 (Metro Park Section), a single 2-lane Road L12d, a salt water pumping station, a sewage pumping station, landscaped deck and promenade above and adjoining Road D3 (Metro Park Section) respectively, some remaining road works at Road L14, noise barrier at Road D3A, and other associated works at the former runway and south apron. The proposed works are shown in Figure 1 and Figure 2. During the course of the Contract No. ED/2018/01, there may be modification of noise barriers in association with the construction of footbridges connecting to the landscaped deck of Road D3A by developers of adjacent lands (Figure 3). The proposed works and site boundary are shown in Figure 4.
- 1.3 The new road connecting Shing Fung Road & Shing Kai Road has been open for public vehicles since 31 December 2022. Detailed location referring to Figure 5.
- 1.4 Civil Engineering and Development Department (CEDD) had completed an Environmental Impact Assessment (EIA) and is the Permit Holder.
- 1.5 The construction work under ED/2018/01 comprises the EM&A Manuals (EIA Register Nos. AEIAR-130/2009 for Kai Tak Development and EIA Register Nos. AEIAR-170/2013 for Roads D3A and D4A) and Environmental Permit (EP) Nos. EP-337/2009 and Variation to the EP (VEP) No. EP-445/2013/B.
- 1.6 Air quality and noise monitoring has been proposed in the EM&A Manual with EIA Register Nos. AEIAR-130/2009 for Kai Tak Development while no air quality and noise monitoring are proposed in EM&A Manual with EIA Register Nos. AEIAR-170/2013 for Roads D3A and D4A.

Project Organization

1.7 The project organization chart and with respect to the EM&A programme is shown in Appendix A. Information of key personnel contact names and telephone numbers are summarized in Table 1.1.

Party	Role	Contact Person	Position	Phone No.	Fax No.
Civil Engineering and December 2017		Mr. Jason Wong	Senior Engineer	3579 2453	2739 0076
Department (CEDD)	Proponent	Ms. Chan Ka Yan	Engineer	3579 2458	2739 0076
AECOM Asia Co. Ltd. (AECOM)	Supervisor (act as Engineers' Representative (ER) listed in EM&A Manual)	Ms. Fanny Lau	CRE	3911 4201	3911 4288
Ramboll Hong Kong Limited (Ramboll)	Independent Environmental Checker (IEC)	Mr. Y H Hui	IEC	3465 2850	3465 2899
Ka Shing Management Consultant Limited (Ka Shing)	Environmental Team (ET)	Mr. Chan Pang	ET Leader	6082 2973	2120 7752
Penta-Ocean Construction Co., Ltd. (Penta-Ocean)	Contractor	Mr. Tony Tang	Environmental Officer	9433 2628	3465 8898

Table 1.1 Contact Information of Key Personnel

Works Area and Construction Programme

1.8 The construction works commenced on 20 January 2020. The construction programme of the Project is given in Appendix B.

Construction works undertaken during reporting month

1.9 Major construction works of the Project in the reporting month are summarized in Table 1.2:

Construction of Floating Stage	Remedial works in Cell of DCS Intake Box Culvert		
Granolithic finish work of Harbour Steps	Construction of Observation Deck		
Erection of steel members of Temporary	Erection of steel members of Toilet cum and		
Management Office	Changing Room		
Construction of draw pit and pipe ducting at Open Space and Promenade	Installation of drainage near Pumping Station		
	Construction of U-channel and footing of Rain		
Finishing work in Pumping Station	Shelter and Feature Shelter at Elevated Landscape		
	Deck		

Table 1.2 Major activities of the Project during reporting month

Submission Status under the Environmental Permits

1.10 The status of required submission under Environmental Permit (EP) conditions under EP-337/2009 and Variation to the EP (VEP) No. EP-445/2013/B are summarized in Table 1.3.

EP Condition EP-337/2009	EP Condition EP-445/2013/B	Submission	Submission Date
Condition 1.11	Condition 1.12	Notification of Commencement Date of Construction of the Project	6 Jan 2020
Condition 2.3	Condition 2.3	Management Organization of Main Construction Companies	9 Sep 2019
Condition 2.3	Condition 2.3	Updated Management Organization of Main Construction Companies	17 Aug 2021
Condition 2.4	Condition 2.4	Design Drawings	6 Jan 2020
Condition 2.11	Condition 2.5	Landscape Mitigation Plans	13 Nov 2020
Condition 2.1	Condition 2.5	Landscape Mitigation Plans (Revision 2)	18 May 2021
NA	Condition 2.9	Detailed Design Plan of Traffic Noise Mitigation Measures	9 Dec 2022

Table 1.3 Summary of Status of Required Submission of EPs

EP Condition EP-337/2009	EP Condition EP-445/2013/B	Submission	Submission Date
Condition 3.2	NA	Baseline Monitoring Report	2 Jan 2020
Condition 3.2	NA	Revised Baseline Monitoring Report	28 Mar 2020
Condition 3.3	Condition 3.2	Monthly EM&A Report (April 2024)	10 May 2024

2. AIR QUALITY MONITORING

Monitoring Requirements

2.1 In accordance with EM&A Manuals (EIA Register Nos. AEIAR-130/2009), impact air quality monitoring shall be carried out during the construction phase of the Project. For regular impact monitoring, a sampling frequency of at least once in every six says will be strictly observed at all of the monitoring stations for 24-hour TSP. For 1-hour TSP monitoring, the sampling frequency of at least three times in every six days will be undertaken when the highest dust impact occurs.

Monitoring Locations

2.2 Three designated monitoring stations were selected for air quality monitoring programme. Impact air quality monitoring was conducted at three air quality monitoring stations in the reporting month. Table 2.1 describes the air quality monitoring locations, which are also depicted in Figure 6.

Air Quality Monitoring Locations for the Project	Location of Measurement
AM3 - Sky Tower	Podium floor near T7
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	Ground
AM7 – Hong Kong Children's Hospital	Rooftop

Table 2.1 Locations of Air Quality Monitoring Stations

- 2.3 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) while 1-hr TSP monitoring at AM4(A) were conducted on the ground floor with orienting to the Project site.
- 2.4 ET approached the potential sensitive receivers for monitoring station relocation since May

2022. ET conducted site visit in nearby area and found that there was no property management company in most of the nearby premises and could not approach the residents regarding the environmental monitoring. No permission can be applied for environmental monitoring.

- 2.5 For those premises have property management company, ET sent the proposal to owner / property management company and explained the purpose of environmental monitoring (refer to Appendix C Apply permission for Environmental Monitoring). Figure 7 shows the proposed alternative monitoring locations. No permission of setup and entry is received until the reporting month.
- 2.6 Summary of the status of for proposed alternative monitoring locations for AM4(A) are given in Table 2.2.

Proposed alternative monitoring locations for M11	Status upto reporting month		
A1 - The Lok Sin Tong Modular Social Housing Scheme	Rejected application on 13 Oct 2022		
A2 - Freder Centre	No reply from building management office		
A3 - New Port Centre	No reply from building management office		
A4 - 112 - 138 To Kwa Wan Road	No property management company and could not apply the permission.		
A5 - 2 - 26 Hok Ling Street	No property management company and could not apply the permission.		
A6 - 1 - 27 Hok Ling Street	No property management company and could not apply the permission.		
A7 - 2 - 28 Tsun Fat Street	No property management company and could not apply the permission.		
A8 - 1 - 27 Tsun Fat Street	No property management company and could not apply the permission.		
A9 – 2 - 28 Yin On Street	No property management company and could not apply the permission.		
A10 – 1 – 27 Yin On Street	No property management company and could not apply the permission.		
A11 - 2 - 28 Shim Luen Street	No property management company and could not apply the permission.		
A12 - 1 - 27 Shim Luen Street	No property management company and could not apply the permission.		
A13 - 2 - 28 Hung Wan Street	No property management company and could not apply the permission.		
A14 - 1 - 27 Hung Wan Street	No property management company and could not apply the permission.		
A15 - 2 - 28 Pang Ching Street	No property management company and could not apply the permission.		
A16 - 1 - 27 Pang Ching Street	No property management company and could not apply the permission.		

Table 2.2 Proposed alternative monitoring locations for AM4(A)

Proposed alternative monitoring locations for M11	Status upto reporting month		
A17 - 2 - 28 Ying Yeung Street	No property management company and could not apply the permission.		
A18 - 1 - 27 Ying Yeung Street	No property management company and could not apply the permission.		
A19 - 2 - 28 Lun Cheung Street	No property management company and could not apply the permission.		
A20 - 1 - 27 Lun Cheung Street	No property management company and could not apply the permission.		
A21 - 2 - 28 Luk Ming Street	No property management company and could not apply the permission.		
A22 - 1 - 27 Luk Ming Street	No property management company and could not apply the permission.		
A23 - 2 - 28 Fung Yi Street	No property management company and could not apply the permission.		

2.7 No update for the approval of monitoring relocation in the reporting month and ET will resume the impact monitoring once the alternative monitoring location for AM4(A) are confirmed.

Monitoring Parameters, Frequency and Duration

2.8 The air quality monitoring locations and monitoring frequency are listed in Table 2.3.

Air Monitoring Station	Location for Measurement		Parameter		Duration		Frequency
AM3 - Sky Tower	Podium floor near T7						
AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop	Ground	-	24-hour average TSP 1-hour	-	24 hours 1 hour	-	Once every 6 days Three times
AM7 - Hong Kong Children's Hospital	Rooftop		average TSP				every 6 days

Table 2.3 Air Quality Monitoring Parameters, Frequency and Duration

2.9 The monitoring schedule for reporting month and next month is presented in Appendix D

2.10 Photographic records of the impact monitoring setup are shown in Appendix E.

Monitoring Equipment

2.11 24-hour average TSP and 1-hour average TSP levels were measured for impact monitoring. 24-hour average TSP levels were measured by the High Volume Samplers (HVS) and 1-hour average TSP levels were measured by direct reading method to indicate short-term impacts. Wind data monitoring equipment was set up at conspicuous locations for logging wind speed and wind direction near to the dust monitoring locations. Table 2.4 summarizes the equipment to be used in the air quality monitoring.

Equipment	Model	Quantity
HVS Sampler	TE-5170 X c/w of TSP sampling inlet	2
Calibrator	TISCH TE-5025A	1
1-hour TSP Dust Meter	TSI Model AM510 SidePak Personal Aerosol Monitor	2
Wind Anemometer	Davis Vantage Pro2 Weather Station	1

Table 2.4 Air Quality Monitoring Equipment

- 2.12 High volume samplers (HVS) (TE-5170 X c/w of TSP sampling inlet) comprising with appropriate sampling inlets were employed for 24-hour TSP monitoring. The sampler was composed of a motor, a filter holder, a flow controller and a sampling inlet and its performance specification complied with that required by USEPA Standard Title 40, Code of Federation Regulations Chapter 1 (Part 50).
- 2.13 Calibration certificates, catalogue of equipment are given in Appendix F.

Monitoring Methodology and QA/QC Procedure

24-hour TSP Monitoring

Operating/Analytical Procedures

2.14 Setup criteria of HVS are shown as follows:

- A horizontal platform with appropriate support to secure the samplers against gusty wind was provided.
- No two samplers were placed less than 2m apart.
- The distance between the sampler and an obstacle, such as buildings, was at least twice

the height that the obstacle protrudes above the sampler.

- A minimum of 2m of separation from walls, parapets and penthouses was set for the rooftop samples.
- A minimum of 2m separation from any supporting structure, measured horizontally was set.
- No furnaces or incineration flues was nearby.
- Airflow around the sampler was unrestricted.
- Any wire fence and gate, to protect the samplers, was not caused any obstruction during monitoring.
- Permission were obtained to setup the samplers and to obtain access to the monitoring stations.
- A secured supply of electricity was provided to operate the samplers.
- 2.15 Prior to the commencement of the dust sampling, the flow rate of the HVS was properly set (between 1.1 m³/min. and 1.7 m³/min.) in accordance with the manufacturer's instruction to within the range recommended in USEPA Standard Title 40, CFR Part 50.
- 2.16 For TSP sampling, Glass Fiber Filter Media 8" x 10" have a collection efficiency of > 99 % for particles of 0.3 μm diameter were used.
- 2.17 The power supply was checked to ensure the sampler worked properly and then placed any filter media at the designated air monitoring station.
- 2.18 The filter holding frame was removed by loosening the four nuts and a weighted and conditioned filter was carefully centered with the stamped number upwards, on a supporting screen.
- 2.19 The filter was aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter. Then the filter holding frame was tightened to the filter holder with swing bolts. The applied pressure was sufficient to avoid air leakage at the edges.
- 2.20 The shelter lid was closed and secured with the aluminium strip.
- 2.21 The timer was programmed. Information was recorded on the record sheet, which included the starting time, the weather condition and the filter number (the initial weight of the filter paper can be found out by using the filter number).
- 2.22 After sampling, the filter was removed from the HVS and put into a clean and labeled seal

plastic bag to avoid cross contamination. The elapsed time was also be recorded. The sampled filters were sent to the HOKLAS accredited or other internationally accredited laboratory for weighting.

Maintenance/Calibration

2.23 The following maintenance/calibration are required for the HVS:

- The HVS and their accessories were properly maintained. Appropriate maintenance such as routine motor brushes replacement and electrical wiring checking were made to ensure that the equipment and necessary power supply are in good working condition.
- High volume samplers were calibrated with at bi-monthly intervals using TE-5025A Calibration Kit throughout all stages of the air quality monitoring.

1-hour TSP Monitoring

Measurement Procedures

2.24 The measurement procedures of the 1-hour TSP were conducted in accordance with the Manufacturer's Instruction Manual as follows:

- Set up the dust meter on a tripod at 1.2m level.
- Turned on the dust meter and check the battery, if too low, change new ones. Pointed the meter to the source area or the planned measurement area.
- The zero calibration of the instrument was conducted before and after each sampling.
- TSP levels were recorded for 1-hour with 5-minute data logging interval.
- Recorded down the general meteorological conditions, Test ID no., start/end time, spot check reading at each sampling location for data processing.
- Recorded any activities that may generate dust during measurement period.

Maintenance/Calibration

2.25 The following maintenance/calibration are required for the direct dust meters:

• To validity the accuracy of dust meter, compare the results measured by dust meter and HVS by direct reading method every 12 months throughout all stages of the air quality monitoring.

Wind Data Monitoring

- 2.26 Wind Anemometer was installed at the roof-top of AM7 Hong Kong Children's Hospital with 10m above ground and clear of constructions or turbulence caused by the buildings.
- 2.27 The wind data was captured by a data logger and the data was downloaded at least once per month for analysis.
- 2.28 The wind data monitoring equipment will be re-calibrated at least once every six months.
- 2.29 Wind direction is divided into 16 sectors of 22.5 degrees each.
- 2.30 Details of weather information during the monitoring period are shown in Appendix G.

Action and Limit Levels

2.31 The Action and Limit Levels of 24-hour average TSP and 1-hour average TSP are summarized in Table 2.5 and Table 2.6 respectively.

Table 2.5 Action and Limit Levels of 24-hour average TSP for Construction Dust Monitoring

Parameter	Air Monitoring Station	Action Level, $\mu g/m^3$	Limit Level, µg/m ³
	AM3	182	260
24-hour average TSP	AM4(A)	187	260
	AM7	181	260

Table 2.6 Action and Limit Levels of 1-hour average TSP for Construction Dust Monitoring

Parameter	Air Monitoring Station	Action Level, µg/m ³	Limit Level, µg/m ³
	AM3	297	500
1-hour average TSP	AM4(A)	326	500
_	AM7	315	500

Impact Air Quality Monitoring results

2.32 Impact monitoring results for 24-hour average TSP and 1-hour average TSP levels at the designed air quality monitoring stations are summarized in Table 2.7 and Table 2.8

respectively.

2.33 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) while 1-hr TSP monitoring at AM4(A) were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.

Air Monitoring Station	Average TSP Concentration, $\mu g/m^3$	Range, µg/m ³	Action Level, µg/m ³	Limit Level, µg/m ³
AM3	59	35 - 122	182	260
AM4(A)	/	/ _ /	187	260
AM7	61	32 - 120	181	260

Table 2.7 Summary of 24-hour average TSP Monitoring Data during the reporting month

Table 2.8 Summary of 1-hour average TSP Monitoring Data during the	he reporting	g month
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Air Monitoring Station	Average TSP Concentration, µg/m ³	Range, µg/m ³	Action Level, µg/m ³	Limit Level, µg/m ³
AM3	48	32 - 73	297	500
AM4(A)	64	40 - 85	326	500
AM7	51	33 - 66	315	500

- 2.34 There was no Action and Limit Level exceedance of 24-hour average TSP and 1-hour average TSP levels recorded during the reporting month.
- 2.35 Graphical presentation and detailed monitoring results of 24-hour average TSP and 1-hour average TSP levels are shown in Appendix H and Appendix I respectively.
- 2.36 The Event and Action Plan is provided in Appendix J.
- 2.37 Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.

3. NOISE MONITORING

Monitoring Requirements

- 3.1 In accordance with EM&A Manuals (EIA Register Nos. AEIAR-130/2009), impact noise monitoring shall be carried out during the construction phase of the Project.
- 3.2 Regular monitoring, L_{Aeq, 30-minute}, for each station will be on a weekly basis and conduct one set of measurements between 0700 1900 on normal weekdays.
- 3.3 If construction works are extended to include works during 1900 0700 as well as public holidays and Sundays, additional weekly impact monitoring will be carried out during the respective restricted hours periods.

Monitoring Locations

3.4 Two designated monitoring stations were selected for noise monitoring programme. Impact noise monitoring was conducted at two noise monitoring stations in the reporting month. Table 3.1 describes the noise monitoring locations, which are also depicted in Figure 8.

 Noise Monitoring Locations for the Project
 Location of Measurement

 M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop
 Ground (Façade)

 M12 - Hong Kong Children's Hospital
 Rooftop (Façade)

Table 3.1 Locations of Noise Monitoring Stations

- 3.5 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022.
- 3.6 ET approached the potential sensitive receivers for monitoring station relocation since May 2022. ET conducted site visit in nearby area and found that there was no property management company in most of the nearby premises and could not approach the residents regarding the environmental monitoring. No permission can be applied for environmental monitoring.

- 3.7 For those premises have property management company, ET sent the proposal to owner / property management company and explained the purpose of environmental monitoring (refer to Appendix C Apply permission for Environmental Monitoring). Figure 9 shows the proposed alternative monitoring locations. No permission of setup and entry is received until the reporting month.
- 3.8 Summary of the status of for proposed alternative monitoring locations for M11 are given in Table 3.2.

<u>Tuble 5.2 Troposed difernative monitoring tocallo</u>	
Proposed alternative monitoring locations for M11	Status upto reporting month
A1 - The Lok Sin Tong Modular Social Housing Scheme	Rejected application on 13 Oct 2022
A2 - Freder Centre	No reply from building management office
A3 - New Port Centre	No reply from building management office
A4 - 112 - 138 To Kwa Wan Road	No property management company and could not apply the permission.
A5 - 2 - 26 Hok Ling Street	No property management company and could not apply the permission.
A6 - 1 - 27 Hok Ling Street	No property management company and could not apply the permission.
A7 - 2 - 28 Tsun Fat Street	No property management company and could not apply the permission.
A8 - 1 - 27 Tsun Fat Street	No property management company and could not apply the permission.
A9 – 2 - 28 Yin On Street	No property management company and could not apply the permission.
A10 – 1 – 27 Yin On Street	No property management company and could not apply the permission.
A11 - 2 - 28 Shim Luen Street	No property management company and could not apply the permission.
A12 - 1 - 27 Shim Luen Street	No property management company and could not apply the permission.
A13 - 2 - 28 Hung Wan Street	No property management company and could not apply the permission.
A14 - 1 - 27 Hung Wan Street	No property management company and could not apply the permission.
A15 - 2 - 28 Pang Ching Street	No property management company and could not apply the permission.
A16 - 1 - 27 Pang Ching Street	No property management company and could not apply the permission.
A17 - 2 - 28 Ying Yeung Street	No property management company and could not apply the permission.
A18 - 1 - 27 Ying Yeung Street	No property management company and could not apply the permission.
A19 - 2 - 28 Lun Cheung Street	No property management company and could

Table 3.2 Proposed alternative monitoring locations for M11

Proposed alternative monitoring locations for M11	Status upto reporting month	
	not apply the permission.	
A20 - 1 - 27 Lun Cheung Street	No property management company and could	
1120 1 27 Ean cheang Street	not apply the permission.	
A21 2 28 Luk Ming Street	No property management company and could	
A21 - 2 - 28 Luk Wing Succi	not apply the permission.	
A 22 1 27 Lule Ming Street	No property management company and could	
A22 - 1 - 27 Luk Wing Street	not apply the permission.	
A 22 2 28 Eung Vi Street	No property management company and could	
A23 - 2 - 28 Fung Y1 Street	not apply the permission.	

3.9 No update for the approval of monitoring relocation in the reporting month and ET will resume the impact monitoring once the alternative monitoring location for M11 are confirmed.

Monitoring Parameters, Frequency and Duration

3.10 The noise monitoring locations and monitoring frequency are listed in Table 3.3.

Noise Monitoring Station	Location for Measurement	Parameter	Frequency and Duration
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop*	Ground (Façade)	L_{Aeq}, L_{A10} and L_{A90}	30 - minutes measurement at each monitoring station between 0700 - 1900 hrs on normal weekdays
M12 - Hong Kong Children's Hospital	Rooftop (Façade)		frequency of once per week.

Table 3.3 Noise Monitoring Parameters, Frequency and Duration

* Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022.

3.11 The monitoring schedule for reporting month and next month is presented in Appendix D.

3.12 Photographic records of the monitoring setup are shown in Appendix E.

Monitoring Equipment

3.13 As referred to in the Technical Memorandum (TM) issued under the Noise Control Ordinance (NCO), sound level meters in compliance with the IEC 61672-1 (Type 1) standard [this

standard replaced the International Electrotechnical Commission Publications 60651:1979 (Type 1) and 60804:1985 (Type 1)] were used for noise monitoring. Table 3.4 summarizes the equipment to be used in the noise monitoring.

Equipment	Model	Quantity
Sound Level Meter	RION NL52	2
Sound Level Calibrator	RION NC 74	2
Air Flowmeter	TSI TA440 Air Velocity	1

Table 3.4 Noise Monitoring Equipment

3.14 Calibration certificates, catalogue of equipment are given in Appendix K.

Monitoring Methodology and QA/QC Procedure

- 3.15 The noise level measurement was conducted at 1m from the exterior of the nearby noise sensitive receivers building façade and at 1.2m above the ground and facing to the source area or the planned measurement area.
- 3.16 No noise measurement was conducted in the presence of fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. Air flow was measured by air flow meter.
- 3.17 Turned on the sound level meter and check the battery, if too low, change new ones.
- 3.18 Calibration was conducted immediately prior to and after each noise measurement, the accuracy of the sound level meters was checked by using sound calibrator generating 1,000 Hz with 94dB. Measurement data was found to be valid only if the calibration levels from before and after the noise measurement agreed to within 1.0 dB.
- 3.19 Noise level was recorded.
- 3.20 Recorded any activities that may generate noise during measurement period.

Maintenance and Calibration

3.21 The microphone head of the sound level meter and calibrator was cleaned with a soft cloth at

quarterly intervals.

- 3.22 The sound level meter and sound calibrator were calibrated annually.
- 3.23 Calibration for sound level meter was conducted immediately prior to and following each noise measurement by using sound calibrator generating a known sound pressure level at a known frequency (1,000 Hz with 94dB). Measurements may be accepted as valid only if the calibration levels from before and after the noise measurement agree to within 1.0 dB.

Action and Limit Levels

normal weekdays

3.24 The Baseline Noise Levels and Action and Limit Levels for construction noise is presented in Table 3.5.

Time PeriodNoise Monitoring
StationBaseline Noise
Levels, dB (A)Action LevelLimit
Level^0700 - 1900 onM1168.3When one documented
Description75 dB(A)

Table 3.5 Baseline Noise Level and Action and Limit Levels for Construction Noise Monitoring

Note: ^ If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

61.9

complaint is received.

Impact Noise Monitoring results

M12

- 3.25 Impact noise monitoring results at the designed noise monitoring stations are summarized in Table 3.6 respectively.
- 3.26 Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 30-min noise monitoring at M11 were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for M11 is confirmed.

Noise Monitoring Station	Measured L _{Aeq, 30-min} , Average, dB(A)	Measured L _{Aeq, 30-min} , Range, dB(A)	Action Level	Limit Level [^]
M11	73.3	72.9 - 73.6	When one documented	75
M12	65.2	62.9 - 68.7	complaint is received	dB(A)

Table 3.6 Summary of Noise Monitoring Data during the reporting month

Note: ^ If works are to be carried out during restricted hours, the conditions stipulated in the Construction Noise Permit (CNP) issued by the Noise Control Authority have to be followed.

- 3.27 There were no Action Level exceedance of noise monitoring and Limit Level exceedance of L_{Aeq} , $_{30min}$ recorded during the reporting month.
- 3.28 Graphical presentation and detailed monitoring results are shown in Appendix L.
- 3.29 The Event and Action Plan is provided in Appendix J.
- 3.30 Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.

4. COMPARISON OF EM&A RESULTS WITH EIA PREDICTIONS

4.1 The environmental impacts predictions were given in Agreement No. CE 35/2006(CE) Kai Tak Development Engineering Study cum Design and Construction of Advance Works -Investigation, Design and Construction - Kai Tak Development Environmental Impact Assessment Report, EIA Register Nos. AEIAR-130/2009 for Kai Tak Development (The EIA Report). The EM&A data was compared with the EIA predictions as summarized in Table 4.1 to Table 4.3.

Table 4.1 Comparison of 24-hour average TSP Monitoring Data with EIA predictions

	ion ASR No. in EIA report	Predicted Cumu 24-hour av concen	Measured 24-hr average TSP in	
Air Monitoring Station		Scenario 1 (Mid 2009 to	Scenario 2 (Mid 2013 to	Reporting Month (May 2024)
		Mid 2013),	Late 2016),	$\mu g/m^3$
		μg/m ³	μg/m ³	
AM3 - Sky Tower	A40^	106	138	35 - 122
AM4(A) - The Hong Kong Society for the Blind's Factory	A43^	123	195	/ _ /
cum Sheltered Workshop*				
AM7 – Hong Kong Children's Hospital	PA60	NA	NA	32 - 120

Note:

^ Prediction results are given in the Table 3.13 of the EIA report EIA Register Nos. AEIAR-130/2009 for Kai Tak Development.

* Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) because of the assess limitation in the reporting month.

Table 4.2 Comparison of 1-hour average TSP Monitoring Data with EIA predictions

		0	*	
		Predicted Cumulative Maximum		
		1-hour average TSP		Measured 1-hr
	ACD No. in	concentration		average TSP in
Air Monitoring Station	ASR No. in EIA report	Scenario 1	Scenario 2	Reporting Month
		(Mid 2009 to	(Mid 2013 to	(May 2024)
		Mid 2013),	Late 2016),	$\mu g/m^3$
		$\mu g/m^3$	$\mu g/m^3$	
AM3 - Sky Tower	A40	217^	247^	32 - 73
AM4(A) - The Hong Kong				
Society for the Blind's Factory	A43	283^	409^	40 - 85
cum Sheltered Workshop*				
AM7 – Hong Kong Children's	PA 60	NΛ	NΛ	33 66
Hospital	1400	INA	INA	55 - 00

Note:

^ Prediction results are given in the Table 3.13 of the EIA report EIA Register Nos. AEIAR-130/2009 for Kai Tak Development.

* Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation in the reporting month.

Noise Monitoring Station	NSR No. in EIA report	Predicted Mitigated Construction Noise Levels during Normal Daytime Working Hour LAeq, 30min, dB(A)	Measured Noise Level in Reporting Month (May 2024) L _{Aeq, 30min} , dB(A)
M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop [*]	N18	50 - 76*	72.9 - 73.6
M12 - Hong Kong Children's Hospital	PN83, PN84, PN84A	NA	62.9 - 68.7

Table 4.3 Comparison of Noise Monitoring Data with EIA predictions

Note:

* Prediction results are given in the Table 3.20 of the EIA report EIA Register Nos. AEIAR-130/2009 for Kai Tak Development.

*Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in the reporting month.

- 4.2 24-hr TSP monitoring result at AM3 was recorded higher than the Scenario 1 (Mid 2009 to Mid 2013) prediction but lower than the Scenario 2 (Mid 2013 to Late 2016) in the EIA Report. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) because of the assess limitation in the reporting month. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 4.3 No prediction in the EIA Report for 24-hour TSP monitoring results at AM7.
- 4.4 1-hour TSP monitoring results at AM3 and AM4(A) were recorded lower than the prediction in the EIA Report. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation in the reporting month. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 4.5 No prediction in the EIA Report for 1-hour TSP monitoring results at AM7.

- 4.6 Noise monitoring results at M11 were recorded lower than the prediction in the EIA Report. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in the reporting month. Non-project related construction activities in the adjacent construction sites were observed during the reporting period and may affect the monitoring results.
- 4.7 No prediction in the EIA Report for noise monitoring results at M12.

5. LANDSCAPE AND VISUAL MONITORING

5.1 In accordance with EM&A Manuals (EIA Register Nos. AEIAR-130/2009 and AEIAR-170/2013), Landscape and Visual Monitoring shall be carried out during the construction phase of the Project. Regular impact monitoring will be conducted at least once per week.

Results and Observations

- 5.2 Site inspections were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site.
- 5.3 Site inspections were conducted on 2, 9, 14, 23 and 30 May 2024 in the reporting month.
- 5.4 The summaries of site audits are attached in Table 5.1.

Close-out Inspection Key Observations **Recommendations** / Actions Date / Date Status 02 May 2024 No NA NA 09 May 2024 No NA NA 14 May 2024 No NA NA 23 May 2024 NA No NA 30 May 2024 No NA NA

Table 5.1 Summary of observations of Landscape and Visual impact during the reporting month

- 5.5 No non-compliance of the landscape and visual impact was recorded in the reporting month.
- 5.6 Should non-compliance of the landscape and visual impact occur, action in accordance with the action plan presented in Appendix N shall be performed.

6. ENVIRONMENTAL SITE INSPECTION AND AUDIT

Site Inspection

- 6.1 Site inspections were carried out on a weekly basis to monitor the timely implementation of proper environmental management practices and mitigation measures in the Project site.
- 6.2 Site inspections were conducted on 2, 9, 14, 23 and 30 May 2024 in the reporting month.
- 6.3 The summaries of site audits are attached in Table 6.1.

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
02 May 2024	No	NA	NA
09 May 2024	Observation: The wastewater should be removed at pumping station	Action Taken: The waste water has been removed at pumping station.	Closed-out on 14 May 2024
14 May 2024	Observation:	Action Taken:	Closed-out on 23 May 2024

Table 6.1 Summary of site inspections observations during the reporting month

Inspection Date	Key Observations	Recommendations / Actions	Close-out Date / Status
	Every stock of more than 20 bags of cement should be covered entirely by imperious sheeting placed in an area sheltered on the top and the three sides.	The stock of more than 20 bags of cement has been covered entirely by imperious sheeting placed in an area sheltered on the top and the three sides.	
23 May 2024	Image: Constraint of the standing water should be removed at CLP power supply station.	Action Taken:The standing water have beenremoved at CLP power supplystation.	Closed-out on 30 May 2024
30 May 2024			Closed-out on 06 June 2024
	Observation: The stagnant water should be removed regularly at pumping station.	Action Taken: The stagnant water has been removed regularly at pumping station.	
	Observation: The accumulation waste should be removed at grate road(Shing Kai Road to NAR).	Action Taken: The accumulation waste has been removed at grate road(Shing Kai Road to NAR).	
Status of Waste Management

- 6.4 The amount of wastes generated by the major site activities of the work contracts within the Project during the reporting month is shown in Appendix O.
- 6.5 The Contractor was registered as a chemical waste producer for the Project. The Contractor was reminded that chemical waste containers should be properly treated and stored temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.

Status of Environmental Licenses, Notification and Permits

6.6 A summary of the relevant permits, licenses and/or notifications on environmental protection for the Project is shown in Table 6.2.

Environmental Licenses, Notifications and Permits	Ref. No.	Valid Form	Valid Till
Environmental Dermit under ELAO	EP-337/2009	23 Apr 2009	N/A
	EP-445/2013/B	3 May 2022	N/A
Construction Dust Notification under APCO	445956	6 Jun 2019	N/A
Wastewater Discharge License under WPCO	WT00034610-2019	26 Sep 2019	30 Sep 2024
Waste Disposal Billing Account	7034450	28 Jun 2019	N/A
Registration as a Chemical Waste Producer	5218-286-P3182-03	18 Jul 2019	N/A
Construction Noise Permit	GW-RE0525-24	30 Apr 2024	29 Oct 2024
	GW-RE0526-24	30 Apr 2024	29 Oct 2024
	GW-RE0063-24	30 Jan2024	28 Jul 2024
	GW-RE0064-24	05 Feb 2024	04 Jul 2024
	GW-RE0082-24	14 Feb 2024	13 Aug 2024
	GW-RE0445-24	21 Apr 2024	20 Oct 2024
	GW-RE0570-24	10 May 2024	09 Nov 2024
	GW-RE1364-23	14 Nov 2023	13 May 2024
	GW-RE1368-23	15 Nov 2023	14 May 2024

Table 6.2 Summary of Environmental Licenses, Notifications and Permits

Implementation Status of Environmental Mitigation Measures

6.7 The Contractor has implemented environmental mitigation measures and requires as stated in the EIA reports, the EP and the EM&A Manuals. The implementation status of the mitigation

measures during the reporting month is summarized in Appendix P.

6.8 In response to the site audit findings, the Contractor carried out corrective actions with summary given in Appendix P.

Environmental Complaint and Non-compliance

6.9 Two complaints were received in the reporting month. Summary of complaints in the reporting month is tabulated in Table 6.3.

Date of complaint received	Description of complaint	Investiga	tion / I	Recom	menda	ations /	Action	n taken	L	Close-o ut date / Status
A dust complaint was received by Hotline 1823 on 20 May 2024. ER (AECOM) and Contractor (POC) received the transferred from Hotline 1823 (Case No. 3-822603823 4) on 20 May 2024 and forwarded the E-mail to ET, and IEC on same day.	The dust emission generated from a excavator near EVA No. 10 which affecting the surrounding residents. The complainant also expressed doubt the effectiveness of implementation of environmental management system.	Joint site (POC), EF 1. Th pro- wc Th nu 2. As fro are nea im nu 3. Th cor 4. As pro 20 loc ho the ma 5. Ba 20 bel sho	inspect and I and I and Consection and Con	ion wa ET on ompla lated rom 1 e the e ema C on 2 tion c C on 2 tion c C on 2 tion c C on 2 tion c tion c No. t mea est su l area r. Tony Near uppres ny loa site ac the m our an e Act below 13 24- hou	as con 23 Ma int since hearby possi il repl 1 May of Shin 10. Tl sures urround is 580. y Tang ker sta wate EVA N ss dust ding co trivities onitori id 24-h tion L	ducted y 2024 is C&l cons ble so y by h 2024, ng Fun he PO for mi ding r 23m. from h arting r at No. 10 t emissor unlo s. ng resusor evels 4(A) 24-h our	by Connot not D sto truction burces Wr. To the connot c propertigate esident POC, F from the connot propertigate POC, F from the connot ading ults on SP resu and I 1-ho ur	ontracto direct ckpilir n site of du ny Tar oncerne ad) wa oosed the du the du to the 22 Ma oncerne n offic o matti of dus 20 Ma ilts wei jimit a M7 24-h our	or lyng s. st ngd as to st ne ill yd certy yre as	- Close d-out on 04 June 2024

Table 6.3 Summary of complaints in the Reporting Month

Date of complaint received	Description of complaint	Investiga	Investigation / Recommendations / Action taken								
			TSP	r TS P	TSP	TSP	TSP	TSP			
		$Measure$ $d result$ (ug/m^3)	44 -48	42	56-6 3	/	53 – 57	54			
		$\begin{array}{c} (\mu g/m) \\ \hline Action \\ Level \\ (\mu g/m^3) \end{array}$	297	182	326	187	315	181	-		
		Limit Level (µg/m ³)	500	260	500	260	500	260			
		6. The marety 7. No we due pro <u>Action take</u> 1. Rej Eq em 2. Arrist 3. Arrist 3. Arrist 3. Arrist 8. 3. Arrist 8. 3. Arrist 9. 3. Arrist 8. 3. Arrist 9. 3. Arrist 9. 3. Arrist 9. 3. Arrist 9. 4. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5.	e effe inagem viewed. advers re found st contro- perly. gularly uipmen ission. range to eet to pr range cavator terial w o-base. <u>idations</u> no dir vas caus ever Co the fo air qual e share	ctiven ent sy e obser d durin col me monito t (PME o cover event o resourd loadin thich h ect ev ed by f ontracto llowin ity: e haul	ess of stem i rvation ig the s asures or all th E) to en the sto dust em ces to ng and ave inc idence the con or (PO g meas	f the mplem against ite insp are im e Powe sure no ckpile sure no ckpile ission. spray d unlos cluding showin tractor C) is r sures t in Shi	enviro ented i the du ection. plemer ared Me dark su with tan wate ading fill ma ng that at the c ecomm o mini	onment has bee st impac The nted chanica moke rpaulin r durin of dus terial an the du complai ended mize th	al al ct al ng ty nd ast nt to he ad		

Date of complaint received	Description of complaint	Investigation / Recommendations / Action taken	Close-o ut date / Status
		 should be washed regularly. 2. Dust mitigation control should be done at the work site 8 times per day. 3. Stockpiling sites should be lined with impermeable sheeting and bunded. 4. Stockpiles should be fully covered by impermeable sheeting to reduce dust emission. 	
A waste management complaint was received by Hotline 1823 on25 May 2024. The public complaint is received via 1823 (Case No.: 3-823493805 0) on 25 May 2024 and forwarded by CEDD on 27 May 2024, and forwarded to ER, Contractor, ET and IEC.	Rodent problem at the junction of Shing Kai Road & Shing Fung Road	 Investigation Joint site inspection was conducted by Contractor (POC), ER, IEC and ET on 30 May 2024. Accumulation of waste was found in the concerned area, the grade road (Shing Kai Road to NAR) and the junction of Road D3 (Shing Kai Road Junction). No trace of rats was found during inspection but flies were present. Waste management measures were not implemented properly. There were no sufficient waste disposal points and regular dispose of waste at the concerned area The complaint was project-related as improper disposal of waste could lead to occurrence of rats. Action taken Poisonous rat bait was placed within the site boundary. Workers received regular briefing about proper waste management The general waste was collected and removed after site inspection on 30 May 2024. Recommendations There was related evidence showing that the waste nuisance at the concerned area was caused by the Contractor (POC). However, it is recommended to implement the following measures to minimize the impact of wasta accumulation	- Close d-out on 04 June 2024

Date of complaint received	Description of complaint	Investigation / Recommendations / Action taken	Close-o ut date / Status
		 Multiple waste disposal points should be set up for proper waste storage. Frequency of waste cleaning and collection should be increased to prevent waste accumulation. Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycle. 	

6.10 Complaint log and Complaint Investigation report are shown in Appendix Q.

Notifications of summons and successful prosecutions

6.11 No notification of summons and successful prosecutions was received in the reporting month. Summary of summons and successful prosecutions in the reporting month is tabulated in Table 6.4.

		a 1		
Date of receiving notification of summons or prosecutions	Date of event	Description of event	Action taken	Close-out date / Status
No notification of summons and successful prosecutions were received in the reporting month.	NA	NA	NA	NA

Table 6.4 Summary of summons and successful prosecutions in the Reporting Month

6.12 The summaries of cumulative environmental complaint, warning, summon and notification of successful prosecution for the Project is presented in Appendix Q.

7. FUTURE KEY ISSUES

Construction Programme in the coming month

7.1 The major construction activities and potential impacts in the next reporting month as follow:

	<u>ne coming monin</u>
Future key issues in the coming month	Potential impact
Construction of El. (Noise and Air Quality, Chemical
Construction of Floating Stage	and Waste Management
Remedial works in Cell of DCS Intake Box Culvert	Noise, Air and Water Quality
Granolithic finish work of Harbour Steps	Noise and Air Quality, Chemical
	and Waste Management
Construction of Observation Deals	Noise and Air Quality, Chemical
Construction of Observation Deck	and Waste Management
Exection of staal members of Temperature Management Office	Noise and Air Quality, Chemical
Election of steel members of remporary Management Office	and Waste Management
Erection of steel members of Toilet cum and Changing Room	Noise, Air and Water Quality
Construction of draw pit and pipe ducting at Open Space and	Noise and Air Ouality, Chemical
Promenade	and Waste Management
Installation of drainage near Pumping Station	Noise and Air Quality, Chemical
Instantion of dramage near rumping Station	and Waste Management
Finishing work in Dumning Station	Noise and Air Quality, Chemical
rinishing work in rumping Station	and Waste Management
Construction of U-channel and footing of Rain Shelter and Feature	Noise Air and Water Quality
Shelter at Elevated Landscape Deck	Torse, An and Water Quality

Table 7.1 Summary of future key issues and potential impact in the coming month

- 7.2 The mitigation measures for environmental impact including Air Quality, Construction Noise, Water Quality, Chemical and Waste Management, Landscape and Visual shall be implemented:
 - Sufficient watering of the works site with the active dust emitting activities,
 - Limitation of the speed for vehicles on unpaved site roads,
 - Properly cover the stockpiles,
 - Good maintenance to the plant and equipment,
 - Use of quieter plant and Quality Powered Mechanical Equipment (QPME),
 - Provide movable noise barriers,
 - Appropriate desilting/ sedimentation devices provided on site for treatment before discharge,
 - Well maintain the drainage system to prevent the spillage of wastewater during heavy rainfall,

- Onsite waste sorting and implementation of trip ticket system,
- Good management and control on construction waste reduction,
- Erection of decorative screen hoarding,
- Strictly following the Environmental Permits and Licenses, and
- Provide sufficient mitigation measures as recommended in Approved EIA Reports.

Environmental Site Inspection and Monitoring Schedule for next month

7.3 The tentative schedule for weekly site inspection and air quality and noise monitoring in the next month is provided in Appendix D.

8. CONCLUSIONS

- 8.1 Environmental monitoring works were performed in the reporting month and all monitoring results were checked and reviewed.
- 8.2 1-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hour TSP monitoring was conducted on the ground floor outside AM4(A) with facing to the Project Site because of the access limitation in the reporting month.
- 8.3 24-hour TSP monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since1 Sept 2022. No 24-hour TSP monitoring was conducted at AM4(A) because of the assess limitation in the reporting month.
- 8.4 Construction noise monitoring was conducted as scheduled in the reporting month. No Action/Limit Level exceedance was recorded. Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Impact monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in the reporting month.
- 8.5 Two complaints (one for dust and one for waste management) were received in the reporting month and both complaints were closed out on 4 June 2024. No others further complaint was received in the reporting month.
- 8.6 No notification of summons and successful prosecutions was received in the reporting month.

Figure



Figure 1 – Proposed works of Contract No. ED/2018/01



Figure 2 - Proposed Bus Stop And Associated Noise Barrier At Road D3A



Figure 3 – Future Pedestrian Connection Between Landscaped Deck And Private Developments



Figure 4 – Site Layout Plan



Figure 5 – New Opened Road on 31 December 2022





* Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. Construction noise monitoring was conducted on the ground floor outside M11 with facing to the Project Site because of the access limitation in the reporting month.



Figure 7 – Proposed Alternative Monitoring Locations for AM4(A)



Figure 8 – Noise Monitoring Stations



Figure 9 – Proposed Alternative Monitoring Locations for M11

Appendix A – Organization Chart of EM&A Team





Appendix B – Construction Programme

Penta-Ocean Construction Co., Ltd.

Project: ED201801 - Kai Tak Development - Stage 4 Infrastructure at the Former Runway & South Apron Section 6C with critcal path (1 Feb 2024)

						Sectio		1 putit (11 CD 2024)			
) (WBS	Task Name	Task	Duration	Start	Finish	Predecessors	Successors 1	Fotal Slack		Half 1, 2024
1	1	Section 6C - Completion of remaining works within Parts 1, 2A,	Calenda C2	701 days?	2 1 Sep '22	23 Aug '24			0 days?	N	J
		2B, 2E, 3A to 3I, 4, 7B, 8, 9, 9A, 9B and 10 including landscape			-	-			-		l I
2	1.1	Summary	C2	0 days	30 Jul '24	30 Jul '24			0 days		l I
3	1.1.1	Planned Section 6D completion (with Inclement weather upto	C2	0 days	30 Jul '24	30 Jul '24	26,68,60,37,		-23 days		l I
4	1.2	Twin DN 1400DL nino by DCS - 1002 Contractor	<u></u>	376 dave	1 Son '22	11 Sop '22			225 davei	ne by DCS - 1002 Cont	actor
4	1.2	Promonado	C2	560 days	10 Jan '22	22 Aug '24			J day	pe by DC3 - 1002 Cont	
0	1.0	Area No 1	02	509 days	10 Jan '22	11 Aug '24			12 dava		
9 10	1.3.1	Alea No. I	C2	550 days	10 Jan 23	11 Aug '24			12 days		
10	1.3.1.1	Area return from KTE for Observation Deck area (due	C2	0 days	10 Jan 23	10 Jon '22			570 dava		1
	1.3.1.1.1	to the disruption by DCS 1002EM19A)	62	0 uays	10 Jan 23	10 Jan 25			570 uays		1
12	1.3.1.1.2	Foundation & substructure	C2	15 davs	23 Dec '23	6 Jan '24			-2 davs	_	Foundation & subs
14	1.3.1.1.3	Super Structure	C2	242 days	22 Nov '23	11 Aug '24			12 days		-
15	1.3.1.1.3.1	Step 1 (1st Column)	C2	13 days	7 Jan '24	19 Jan '24			-2 days		Step 1 (1st Co
21	1.3.1.1.3.2	Step 2 (up to +9.43mPD)	C2	21 days	20 Jan '24	21 Feb '24			150 days		
27	1.3.1.1.3.3	Step 3 (lift shaft and structure up to +9.65m)	C2	29 days	13 Jan '24	22 Feb '24			-2 days		
32	131134	Step 4 (2nd column)	C2	9 days	4 Feb '24	24 Feb '24			-2 days		· · · ·
38	1.3.1.1.3.5	Step 5 (Lift shaft and structure up to +11.25m)	C2	30 days	21 Feb '24	21 Mar '24			-2 days		
43	131136	Step 6 (bridge connection)	C2	12 days	22 Mar '24	2 Apr '24			-2 days		• • • • • • • • • • • • • • • • • • •
49	131137	Step 7 (3rd column)	C2	11 days	3 Apr '24	13 Apr '24			-2 days		
55	131139	Sten 8 (stair up to roof)	C2	9 days	3 Apr '24	11 Apr '24			100 days		l I
61	131130	Step 9 (lift shaft up to ton)	C2	47 days	3 Apr '24	29 May '24			-2 days		
68		lift cor installation	C2	62 days	10 lun 124	11 Aug 24		2	12 days		l I
60	1.3.1.1.3.10	unit car installation	C2	2 days	10 Jun 24	11 Aug 24	TEES E davia	70	-12 uays		l I
70		Working platform erection	C2		10 Jun 24	12 JUN 24		70	-12 days		l I
70	1.3.1.1.3.10.2		C2	20 days	13 Jun 24	11 Aug 24	09	3	-12 days		l I
71	1.3.1.1.3.11	Step To (board walk up to +6.22mPD))	02	J2 days	14 May 24	14 Jun 24	00	70	-12 days		
72	1.3.1.1.3.11.1		02	12 days	14 May 24	25 May 24	55	73	-12 days		
73	1.3.1.1.3.11.2	Backlining	02	TU days	26 May 24	4 JUN 24	72	74	-12 days		l I
74	1.3.1.1.3.11.3		62	9 days	5 Jun 24	13 Jun 24	73	/5	-12 days		l I
75	1.3.1.1.3.11.4	Concreting (include on-grade slab)	02	1 day	14 Jun '24	14 Jun '24	74	3,69FS-5 days	-12 days		l I
76	1.3.1.1.3.12	Step 11 (Roofing works including ceiling)	C2	231 days	22 Nov 23	31 Jul '24		70	19 days		20.//
77	1.3.1.1.3.12.1	Design of the steel structure	C2	60 days	22 Nov '23	20 Jan '24		/8	19 daysri		_20/1
78	1.3.1.1.3.12.2	Fabrication of the steel structure	C2	75 days	29 Jan '24	1 May '24	77	79FS-13 days	11 days	Fabrication of the stee	
79	1.3.1.1.3.12.3	Installation of the steel structure (1st half - skylight	C2	13 days	1 May '24	16 May '24	78FS-13	80FS-2 days	-1 daya	tion of the steel structu	ire (1st half - skylight m
80	1.3.1.1.3.12.4	Installation of the steel structure (2nd half - secondary	C2	14 days	15 May '24	28 May '24	79FS-2 days	81	-1 dav	Installatio	n of the steel structure
		beams)		aajo			. e. e <u>-</u> aaye				
81	1.3.1.1.3.12.5	fixing purlins and subframe for skylight and canopy roofing	C2	21 days	29 May '24	18 Jun '24	80	82SS+10 days	-1 day	fiz	king purlins and subfrai
82	1.3.1.1.3.12.6	fixing and welding roof gutter for skylight and canopy roofir	n C2	7 days	8 Jun '24	14 Jun '24	81SS+10 days	83	-1 day	ť	ixing and welding roof
83	1.3.1.1.3.12.7	fixing glass panels for skylight and canopy	C2	2 days	15 Jun '24	16 Jun '24	82	84	-1 day		fi
84	L.3.1.1.3.12.8	fixing sub-frame for ceiling (1st part)	C2	7 days	17 Jun '24	23 Jun '24	83	85,87FS+3 days	-1 day		l I
85	L.3.1.1.3.12.9	fixing alum roof cladding	C2	14 days	24 Jun '24	7 Jul '24	84	86	44 days		
86	1.3.1.1.3.12.10	modification to working platform	C2	3 days	8 Jul '24	10 Jul '24	85		44 days		l I
87	1.3.1.1.3.12.11	fixing sub-frame for ceiling (2nd part)	C2	7 days	27 Jun '24	3 Jul '24	84FS+3 days	88	-1 day		l l
88	1.3.1.1.3.12.12	fixing alum cladding to ceiling	C2	28 days	4 Jul '24	31 Jul '24	87	3	-1 day		
89	1.3.1.1.4	ABWF	C2	71 days	20 May '24	29 Jul '24			1 day		
90	1.3.1.1.4.1	Site setting out	C2	3 days	20 May '24	22 May '24		91	6 days		l I
91	1.3.1.1.4.2	Touch up works for fair-faced concrete	C2	40 days	28 May '24	6 Jul '24	90	92SS+10 days,95SS+20 day	, 1 dav		Touc
92	1.3.1.1.4.3	Apply undercoat and finishing coat to external wall and ceiling	C2	50 days	, 7 Jun '24	26 Jul '24	91SS+10 davs	93SS+13 davs	1 dav	Α	pply undercoat and fini
93	1.3.1.1.4.4	Artifical granite tiles	C2	40 days	20 Jun '24	29 Jul '24	92SS+13 davs	3	1 dav		
94	1.3.1.1.5	E&M Works	C2	40 davs	17 Jun '24	26 Jul '24			4 davs		l I
95	1.3.1.1.5.1	Electrical works (lighting)	C2	40 days	17 Jun '24	26 Jul '24	91SS+20 davs	3	4 davs		
96	1.3.1.1.5.2	plumbing and drainage works (inside the kiosk)	C2	14 days	18 Jun '24	1 Jul '24	/ 0	3	29 davs		plum
97	1.3.1.2	Back of house facilities (under bridge D3)	C2	162 days	6 Feb '24	7 Aug '24			16 days		
98	1.3.1.2.1	Fabrication for both footings A & B	None	127 davs	6 Feb '24	21 Jun '24			57 davs		
99	L.3.1.2.1.1	Structural Steel	None	50 davs	20 Feb '24	9 Apr '24			111 days		
100	L.3.1.2.1.1.1	Fabrication of steel	C2	50 days	20 Feb '24	9 Apr '24		118FS+5 days.137FS+5 day	101 days	I	abrication of steel
101	.3.1.2.1.2	Roof and wall cladding	None	86 days	6 Feb '24	11 May '24		august au	104 dave		
109	.3.1.2.1 3	Window	(2	85 dave	20 Feb '24	24 May '24			53 dave		· · ·
113	.3.1.2.1.4	Feature Wall	None	123 days	20 Feb '74	21 Jun '24			63 dave		
			····ie	115 adys	-0.00 27	22 7011 24			00 uays		I •
		Tack		Start only	г	Critical		Program			
		Idsk Summary		Start-Only		Crucal		Progress			
		Milestone Project Summary		rinish-only	ц.	Critical Split		Manual Progress			
							Page 1	of 12			



D W	/BS	Task Name	Task	Duration	Start	Finish	Predecessors	Successors	Total Slack		11-161 2024
116 1 .			Calenda	r						Ν	Haif 1, 2024 J
	.3.1.2.2	Footing A	None	107 days	15 Apr '24	30 Jul '24			24 days		
117 1 .	.3.1.2.2.1	Structural works	None	92 days	15 Apr '24	15 Jul '24			38 days		
118 1	.3.1.2.2.1.1	Erection of steel works	C2	20 days	15 Apr '24	14 May '24	100FS+5 days		101 days		Erec
119 1.	.3.1.2.2.1.2	Installation of gutter	C2	7 days	21 May '24	27 May '24		3,120	2 days		
120 1	.3.1.2.2.1.3	Installation of roof cladding	C2	7 days	28 May '24	3 Jun '24	119	3,12155	2 days		
121 1	.3.1.2.2.1.4	installation of temporary wall cladding (for ABWF works)	C2	7 days	28 May '24	3 Jun '24	120SS	126	2 days		installation of tempo
122 1	.3.1.2.2.1.5	Installation of wall cladding	C2	14 days	18 Jun '24	1 Jul '24	154	123	15 days		1
123 1	.3.1.2.2.1.6	Installation of window	C2	14 days	2 Jul '24	15 Jul '24	112,122	3	15 days		
124 1 .	.3.1.2.2.2	ABWF	None	46 days	5 Jun '24	20 Jul '24			0 days		
125 1	.3.1.2.2.2.1	Site setting out works	C2	1 day	5 Jun '24	5 Jun '24		126	0 days		
126 1	.3.1.2.2.2.2	Dry wall installation	C2	21 days	6 Jun '24	26 Jun '24	125,121	127SS+14 days	0 days		
127 1	.3.1.2.2.2.3	Wall paint works for dry wall	C2	21 days	20 Jun '24	10 Jul '24	126SS+14 day	1285S+14 days,131SS+6 d	a 0 days		
128 1	.3.1.2.2.2.4	Door and door frame installation	C2	10 days	4 Jul '24	13 Jul '24	127SS+14 day	s129	10 days		
129 1	.3.1.2.2.2.5	Touch Up works	C2	7 days	14 Jul '24	20 Jul '24	128	3	10 days		
130 1 .	.3.1.2.2.3	E&M	None	35 days	26 Jun '24	30 Jul '24			0 days		
131 1	.3.1.2.2.3.1	Electrical works	C2	35 days	26 Jun '24	30 Jul '24	127SS+6 days	3	0 days		
132 1	.3.1.2.2.3.2	MVAC works	C2	35 days	26 Jun '24	30 Jul '24	127SS+6 days	3,133SS+7 days,134SS+7 d	d 0 days		
133 1	.3.1.2.2.3.3	Fire service works	C2	20 days	3 Jul '24	22 Jul '24	132SS+7 days	3	8 days		1
134 1	.3.1.2.2.3.4	plumbing and drainage works	C2	10 days	5 Jul '24	14 Jul '24	132SS+7 days	3	16 days		
135 1 .	.3.1.2.3	Footing B	None	115 days	15 Apr '24	7 Aug '24			16 days		
136 1 .	.3.1.2.3.1	Structural works	None	100 days	15 Apr '24	23 Jul '24			31 days		
137 1	.3.1.2.3.1.1	Erection Footing B (part 1)	C2	14 days	15 Apr '24	8 May '24	100FS+5 days		107 days		Erection
138 1	.3.1.2.3.1.2	Erection Footing B (part 2)	C2	4 days	9 Jul '24	12 Jul '24	155	139	-8 days		
139 1	.3.1.2.3.1.3	Installation of gutter	C2	2 days	13 Jul '24	14 Jul '24	138	140	-8 days		
140 1	.3.1.2.3.1.4	installation of roof cladding	C2	, 2 davs	15 Jul '24	16 Jul '24	139	141	-8 davs		1
141 1	.3.1.2.3.1.5	installation of wall cladding	C2	2 days	17 Jul '24	18 Jul '24	140	3.142.144	-8 days		
142 1	.3.1.2.3.1.6	Installation of window	C2	5 days	19 Jul '24	23 Jul '24	141	3	7 davs		
143 1	.3.1.2.3.2	ABWF	None	7 days	19 Jul '24	25 Jul '24			-8 days		
144 1	3.1.2.3.2.1	Dry wall installation	C2	3 days	19 Jul '24	21 Jul '24	141	145	-8 days		
145 1	312322	Wall paint works for dry wall	C2	2 days	22 Jul '24	23 Jul '24	144	146 149 150 151 152	-8 days		
146 1	312323	Door and door frame installation	C2	2 days	22 Jul '24	25 Jul '24	145	14755	5 days		
147 1	312324		C2	2 days	24 Jul '24	25 Jul '24	14655	3	5 days		
148 1	31233	F&M	C2	15 days	24 Jul '24	7 Aug '24	14035	5	-8 days		
149 1	312331	Electrical works	C2	15 days	24 Jul '24	7 Aug '24	145	3	-8 days		
150 1	312332	MVAC works	C2	15 days	24 Jul '24	7 Aug '24	145	3	-8 days		
151 1	312333	Fire service works	C2	15 days	24 Jul '24	7 Aug 21	145	3	-8 days		
152 1	312334	nlumbing and drainage works	C2	15 days	24 Jul '24	7 Aug '24	145	3	-8 days		
153 1	3.1.2.4	Litilities beside & behind the BoH	None	42 days	28 May '24	8 Jul '24	1.13	5	-8 days		
154 1	31241	Litilities beside BoH	C2	21 days	28 May '24	17 lun '24		157 155 122	-8 days		
155 1	31242	Litilities behind BoH (include XX)	C2	21 days	18 lun '24	8 Jul '24	154	138	-8 days		· I I
156 1	3125	Footing for the Gate	None	20 days	18 Jun '24	7 Jul '24	154	150	33 days		
157 1	31251	Footing for the Gate	C2	10 days	18 Jun '24	27 lun '24	154	3 158	33 days		
158 1	31252	installation of feature wall	C2	10 days	28 Jun '24	7 Jul '24	157	5,150	47 days		
159 1	313	FVA no 1	C2	108 days	26 Mar '24	21 Jul '24	157		9 days		· I I
160 1	3131	EVA no.1	C2	108 days	26 Mar '24	21 Jul '24			9 days		1
161 1	31311	Within EVA	None	108 days	26 Mar '24	11 Jul '24			9 days		1
162 1	212111	EVA no. 1 (exclude the remaining section connect to the	None	100 days	26 Mar '24	11 Jul '24			9 days		· I I
102 1	.5.1.5.1.1.1	deck channel)	None	100 uays	2010101 24	11 Jul 24			Juays		1
163 1	.3.1.3.1.1.1.1	Trench excavation for ducts and drawpits within EVA (include breaking hard material)	C2	30 days	26 Mar '24	1 May '24		171SS+7 days,164,165	9 days	nd drawpits within EVA	(include breaking har
164 1	.3.1.3.1.1.1.2	Installation of ducts and drawpits within EVA (include branch ducts to lighting pole)	C2	16 days	5 May '24	20 May '24	163	165	19 days	of ducts and drawpits w	vithin EVA (include bra
165 1	.3.1.3.1.1.1.3	Backfilling	C2	7 days	21 May '24	27 May '24	163,164	166	19 days		1
166 1	.3.1.3.1.1.1.4	u-channel construction and fire main laying (73m)	C2	18 days	28 May '24	14 Jun '24	165	167FS+3 days	19 days		u-channel cons
167 1	.3.1.3.1.1.1.5	Subbase laying for the EVA	C2	10 days	18 Jun '24	27 Jun '24	166FS+3 days	168	19 days		1
168 1	.3.1.3.1.1.1.6	pavement	C2	14 days	28 Jun '24	11 Jul '24	167	169FF	19 days		1
169 1	.3.1.3.1.1.1.7	E&M works	C2	21 days	21 Jun '24	11 Jul '24	168FF	3	19 days		1
170 1	.3.1.3.1.2	Outside EVA	None	111 days	2 Apr '24	21 Jul '24			9 days		1
171 1	.3.1.3.1.2.1	Trench excavation for ducts and drawpits outside EVA (include breaking hard material)	C2	25 days	2 Apr '24	6 May '24	163SS+7 days	172	9 days	and drawpits outside E	VA (include breaking l

Penta-Ocean Construction Co., Ltd.

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Project: ED201801 - Kai Tak Development - Stage 4 Infrastructure at the Former Runway & South Apron



.1.3.1.2.2	Task Name	Task	Duration	Charles 1						
.1.3.1.2.2		Calenda	r	Start	Finish	Predecessors	Successors	Total Slack	Ν	Half 1, 2024
	Installation of ducts and drawpits outside EVA	C2	18 days	7 May '24	24 May '24	171	173	9 days		Installation of ducts
.1.3.1.2.3	Backfilling	C2	10 days	25 May '24	3 Jun '24	172	175FS+7 days	9 days		
.1.3.1.2.4	walkway construction	C2	41 days	11 Jun '24	21 Jul '24		3	9 days		
.1.3.1.2.4.1	seawall cutting by Fong Cheong	C2	12 days	11 Jun '24	22 Jun '24	173FS+7 days	176	9 days		
.1.3.1.2.4.2	glass balstrade installation (include E&M)	C2	14 days	23 Jun '24	6 Jul '24	175	177SS+8 days	9 days		
1.3.1.2.4.3	footpath	C2	21 days	1 Jul '24	21 Jul '24	176SS+8 days		9 days		
.1.4	Architectural /Hard landscaping Works	C2	45 days	1 Jun '24	15 Jul '24			12 days		
.1.4.1	Fitness Lawn	C2	14 days	1 Jun '24	14 Jun '24			12 days		
.1.4.1.1	Excavation	C2	5 days	1 Jun '24	5 Jun '24		181FS+3 days	12 days		
.1.4.1.2	Filling/ concreting	C2	6 days	9 Jun '24	14 Jun '24	180FS+3 day	3,183	12 days		
.1.4.2	Event Deck	C2	14 days	15 Jun '24	28 Jun '24			12 days		
.1.4.2.1	Excavation	C2	5 days	15 Jun '24	19 Jun '24	181	184FS+3 days,188SS	12 days		
.1.4.2.2	Blinding concrete	C2	1 day	23 Jun '24	23 Jun '24	183FS+3 day	185	12 days		
.1.4.2.3	Rebar fixing	C2	4 days	24 Jun '24	27 Jun '24	184	186	12 days		
.1.4.2.4	Concreting	C2	1 day	28 Jun '24	28 Jun '24	185	3,193,340SS	12 days		
.1.4.3	Dry Fountain	None	28 days	15 Jun '24	12 Jul '24			18 days		
.1.4.3.1	Excavation	C2	3 days	15 Jun '24	17 Jun '24	183SS	189	18 days		
.1.4.3.2	Filling/ concreting	C2	7 days	18 Jun '24	24 Jun '24	188	190	18 days		
.1.4.3.3	Pipe, E&M	C2	, 12 days	25 Jun '24	6 Jul '24	189	191	, 18 days		
1.4.3.4	Cover	C2	6 davs	7 Jul '24	12 Jul '24	190	3	18 davs		
.1.4.4	Rain Garden	None	17 days	29 Jun '24	15 Jul '24			15 days		1
1.4.4.1	Excavation	C2	3 days	29 Jun '24	1 Jul '24	186	194	15 days		
1442	Filling/nlumbing/concreting	C2	14 days	2 Jul '24	15 Jul '24	193	3	15 days		1
.2	Area No. 2	C2	427 days	1 Jun '23	22 Aug '24	100		1 day		1
	Toilet cum changing room and Transformer Boom	C2	427 days	1 Jun '23	22 Aug '24			1 day		
2.1.1	Structure (Toilet cum changing room and Transfromer	FC2	247 days	1 Jun '23	2 Feb '24			181 days		Structu
.2.1.1.1	ELS	C2	97 days	1 Jun '23	5 Sep '23			331 days		
.2.1.1.2	Structural Works	C2	181 days	6 Aug '23	2 Feb '24			95 days		Structur
2.1.2	Architectural Works	C2	185 days	29 Jan '24	22 Aug '24			-18 days		
2.1.2.1	Basement	None	104 days	30 Mar '24	11 Jul '24			24 days		
2.1.2.1.1	ABWE	None	99 days	30 Mar '24	6 Jul '24			24 days		
212111	wall & ceiling plastering	(2	28 days	30 Mar '24	6 May '24		225	71 days		wall & ceilin
212112	wall & calling painting	C2	1/ days	7 May '24	20 May '24	224	223	71 days		
212112	floor screeding	C2		7 Wuy 24	6 Jul '24	224 229ES-14 days	3	24 days		
2121.2	E&M	None	67 days	6 May '24	11 Jul '24	2251 5-14 days		24 days		
2.1.2.1.2	MV/AC works		60 days	6 May '24	11 Jul '24		22055+7 days	24 days		
2.1.2.1.2.1	Electrical works	C2	60 days	12 May 24	4 Jul 24	22855+7 dave	22555+7 udys 22655-14 days 22055+7 da	24 days		
2.1.2.1.2.2	Eiro sonvico works	C2	30 days	20 May '24	19 Jun '24	22833+7 days	2201 5-14 uays,23035+7 ua	24 days		
2.1.2.1.2.3	Dlumbing and drainage works	C2	30 days	20 May 24	18 Jun '24	22933+7 days	3 2	42 days		
2.1.2.1.2.4	G/F	C2	73 days	11 Jun '24	22 Aug '24	2293377 uays	5	-23 days		
21221		02	70 days	11 1 1 24	22 Aug 24			20 days		
2.1.2.2.1	Abwr Block wall creation with steel frame	C2	10 days	11 Jun 24	27 Jun 124	22588 J 7 day	226 24199 10 days 246	-25 days		
2 1 2 2 1 2	L heam installation for haffle soiling	02	E days	11 Jup '24	15 Jun '24	2000+7 day	22455 + 7 days	-20 days		
2.1.2.2.1.2	water proofing work include 24b test at male toilet	C2	5 days	28 Jun '24	2 Jul '24	224	2343377 uays	E days		wati
2.1.2.2.1.3	Wall plastoring work a trade toilet	C2	5 days	28 Jul 24	2 Jul 24	234	237 228ES 2 dave 260 261	-5 uays		wate
2.1.2.2.1.4	floor correcting works at male toilet	C2	5 days	5 Jul 24	10 Jul 24	200	230F3-2 Udy5,200,201	-5 uays		
.2.1.2.2.1.5		02	5 uays	0 JUI 24	10 Jul 24	237F3-2 Udy	209	- Tuay		
.2.1.2.2.1.6	wait tiles laying at male tollet	C2	14 days	11 Jul 24	24 Jul 24	238	240FS-3 days	-1 day		
.2.1.2.2.1.7		C2	10 days	22 Jul 24	31 Jul 24	239FS-3 days	3	-1 day		water
2.1.2.2.1.8	water-proofing work include 24h test at female tollet	C2	5 days	28 Jun 24	2 JUI 24	23455+10 days	242 24255 2 dava	-23 days		water
.2.1.2.2.1.9	fleer eereeding works at female toilet	02	6 days	3 Jul 24	0 JUI 24		243FS-2 days	-25 days		
.2.1.2.2.1.10	noor screeding works at remaie tollet	02	o uays	/ JUL 24	11 JUI 24	242F5-2 0ay	24050-2 Udys,244	-25 days		1
.2.1.2.2.1.11	wall tiles laying at female toilet	(2	14 days	12 Jul '24	25 Jul '24	243	245FS-3 days	-2 days		
2.1.2.2.1.12	floor tiles laying at female toilet	C2	10 days	23 Jul '24	1 Aug '24	244FS-3 days	3	-2 days		i I I tu aluada 40 k a s
.2.1.2.2.1.13	water-proofing work include 48 hr test at remaining area (baby care room; accessibility toilet etc	02	/ days	14 Jul '24	20 Jul '24	234SS+26 days	24/	/ days	water-proofing wor	unclude 48 hr test at r
.2.1.2.2.1.14	wall plastering works at remaining area (baby care room; accessibility toilet etc	02	3 days	21 Jul '24	23 Jul '24	246	3	/ days		wall plastering works a
.2.1.2.2.1.15	floor screeding works at remaining area (baby care room; accessibility toilet etc	C2	3 days	10 Jul '24	12 Jul '24	243⊢S-2 days	249,250FS-3 days,251	-23 days	floor	screeding works at rer
1 .1	.4.1 .4.1.1 .4.1.2 .4.2.1 .4.2.1 .4.2.3 .4.2.3 .4.2.4 .4.3.1 .4.3.2 .4.3.3 .4.3.4 .4.4.1 .4.4.2 2.1.2 .1.1.1 2.1.2 .1.1.1 2.1.1 .1.2.1.1 .1.2.1.1 .1.2.1.1 .1.2.1.1 .1.2.1.1 .1.2.1.1 .1.2.1.1 .1.2.1.1 .1.2.1.1 .1.2.1.2 .1.2.1.2 .1.2.1.2 .1.2.1.2 .1.2.1.2 .1.2.1.2 .1.2.1.2 .1.2.1.2 .1.2.1.2 .1.2.2.1.3 .1.2.2.1.4 .1.2.2.1.5 .1.2.2.1.6 .1.2.2.1.1 .1.2.2.1.1 .1.2.2.1.1 .1.2.2.1.1 .1.2.2.1.1 .1.2.2.1.13 .1.2.2.1.13	Architectural rhand landscaping works 4.1 Fitness Lawn 4.1.1 Excavation 4.1.2 Filling/ concreting 4.2 Event Deck 4.2.1 Excavation 4.2.2 Binding concrete 4.2.3 Rebar fixing 4.2.4 Concreting 4.3.1 Excavation 4.3.2 Filling/ concreting 4.3.3 Dry Fountain 4.3.4 Cover 4.4 Rain Garden 4.4.1 Excavation 4.4.2 Filling/plumbing/concreting 4.4 Rain Garden 4.4.1 Excavation 4.4.2 Filling/plumbing/concreting 2 Area No. 2 2.1 Toilet cum changing room and Transformer Room 2.1.1 ELS 2.1.1 ELS 2.1.1 ELS 2.1.1 Basement 1.2.1.1 Walk ceiling painting 1.2.1.1 Architectural Works 1.2.1.2 E&M 1.2.1.1 Walk ceiling painting 1.2.1.2 File 1.2.1.3 floor screeding 1.2.1.4 Plumbing and drainage works 1.2.1.5 Fire service works	Att number of a structure in an accepting works C2 4.1.1 Fitness Lawn C2 4.1.1 Excavation C2 4.1.2 Filling/ concreting C2 4.2.4 Event Deck C2 4.2.1 Excavation C2 4.2.2 Blinding concrete C2 4.2.3 Rebar fixing C2 4.3.4 Concreting C2 4.3.1 Excavation C2 4.3.3 Dry Fountain None 4.3.4 Cover C2 4.3.3 Pipe, E&M C2 4.3.4 Cover C2 4.4.1 Excavation C2 4.4.2 Filling/plumbing/concreting C2 4.4.1 Excavation C2 4.4.1 Excavation C2 4.4.2 Filling/plumbing/concreting C2 4.1.1 Excavation C2 4.1.1 Excavation C2 1.1.1 ELS C2	A.1 Productural number of the set of	Ardin tectural markacaping works C2 49 days 1 Jun 24 4.1.1 Fitness tawn C2 14 days 1 Jun 24 4.1.1 Excavation C2 5 days 1 Jun 24 4.1.2 Filling concreting C2 5 days 1 Jun 24 4.2.2 Bilmding concreting C2 1 day 23 Jun 24 4.2.2 Bilmding concreting C2 1 day 23 Jun 24 4.2.3 Rebar fixing C2 1 day 28 Jun 24 4.2.4 Concreting C2 1 day 28 Jun 24 4.3.1 Excavation C2 2 days 13 Jun 24 4.3.3 Pipe, £&M C2 1 day 29 Jun 24 4.3.4 Cover C2 6 days 7 Jul 24 4.4.4 Rain Garden None 17 days 1 Jun 23 4.4.1 Excavation C2 2 days 29 Jun 24 4.4.2 Filling/plumbing/concreting C2 1 days 1 Jun 23 21.1	Are Interchar hand matrix scaping works C2 9 days 1 dun 24 1 dun 24 4.1 Finness Lawn C2 5 days 1 Jun 24 14 Jun 24 4.1.1 Excavation C2 5 days 1 Jun 24 14 Jun 24 4.1.2 Even Deck C2 1 days 15 Jun 24 19 Jun 24 4.2 Even Deck C2 1 days 15 Jun 24 29 Jun 24 4.2.1 Even Deck C2 1 days 23 Jun 24 23 Jun 24 4.2.3 Rebar Itking C2 1 days 24 Jun 24 23 Jun 24 24	Attinuction in and inalescaping works C2 4 barys 1 unit 24 1 duit 24 <th1 24<="" duit="" th=""> 1 duit</th1>	Harmetering Harmetering	Alt Patients Land in the intercepting works C2 2 3 days 1 days <th1 days<="" th=""> 1 days</th1>	Alt Declamental rank anaccepta work C.2 6 and yet 10 and yet 1

Task		Summary	Start-only	C	Critical	Progress
Milestone	•	Project Summary	Finish-only	а С	Critical Split	Manual Progress



Penta	-Ocean Constructio	n Co., Ltd.		Projec	t: ED201801 - k	ai Tak Developr Sectio	nent - Stage 4 li on 6C with critca	nfrastructure at the Former F Il path (1 Feb 2024)	Runway & So	outh Apron	
ID	WBS	Task Name	Task	Duration	Start	Finish	Predecessors	Successors	Total Slack		Half 1, 2024
249	1.3.2.1.2.2.1.16	wall tiles laying at remaining area (baby care room:	Calend C2	ar 14 days	13 Jul '24	26 Jul '24	248	3	4 davs	N	wall tiles laying at rer
250	1.3.2.1.2.2.1.17	accessibility toilet etc floor tiles laying at remaining area (baby care room;	C2	7 days	10 Jul '24	16 Jul '24	248FS-3	3	14 days		floor tiles laying at rem
251	137177118	accessibility tollet etc	C2	18 days	13 Iul '24	30 Jul '24	0ays 248	252FS-8 days 253	-23 days		
252	1.3.2.1.2.2.1.19	Baffle ceiling installation	C2	10 days	23 Jul '24	5 Aug '24	251FS-8 days	255SS	-23 days		
253	1.3.2.1.2.2.1.20	Toilet cubical partition installation at male toilet	C2	7 days	31 Jul '24	6 Aug '24	251	254SS	-19 days		
254	1.3.2.1.2.2.1.21	Toilet cubical partition installation at female toilet	C2	7 days	31 Jul '24	6 Aug '24	25355	258	-19 days		
255	1.3.2.1.2.2.1.22	door installation	C2	14 days	23 Jul '24	5 Aug '24	25255	256SS+7 days	-23 days		
256	1.3.2.1.2.2.1.23	locker installation at male and female toilet	C2	12 days	30 Jul '24	10 Aug '24	255SS+7 days	257	-23 days		
257	1.3.2.1.2.2.1.24	seating bench installation at male and female toilet	C2	12 days	11 Aug '24	22 Aug '24	256	3	-23 days		
258	1.3.2.1.2.2.1.25	Sanitary fitment installation at male, female toilet, baby care room, accessibility toilet etc	C2	12 days	7 Aug '24	18 Aug '24	254	3	-19 days	San	itary fitment installation
259	1.3.2.1.2.2.2	E&M	C2	28 days	8 Jul '24	4 Aug '24			-5 days		
260	1.3.2.1.2.2.2.1	MVAC works	C2	28 days	8 Jul '24	4 Aug '24	237	3	-5 days		
261	<mark>1.3.2.1.2.2.2.2</mark>	Electrical works	C2	28 days	8 Jul '24	4 Aug '24	237	262SS+7 days,263SS+5 day	-4 days		
262	1.3.2.1.2.2.2.3	Fire service works	C2	20 days	15 Jul '24	3 Aug '24	261SS+7 days	3	-4 days		
263	1.3.2.1.2.2.2.4	Plumbing and drainage works	C2	20 days	13 Jul '24	1 Aug '24	261SS+5 days	3	-2 days		
264	1.3.2.1.2.3	Metal Work (Roof)	C2	152 days	29 Jan '24	20 Jul '24		3	10 days		
265	1.3.2.1.2.3.1	Fabrication of metal roof steel work GL 1-8	C2	38 days	29 Jan '24	18 Mar '24		3	124 days	on of metal roof steel we	ork GL 1-8
266	1.3.2.1.2.3.2	Fabrication of roof decking, louvre and window	C2	66 days	29 Jan '24	15 Apr '24		3	96 days	root decking, louvre an	a window
267	1.3.2.1.2.3.3	Installation of metal roof steelwork GL 5 - 8	C2	12 days	19 Mar '24	30 Mar '24		3	112 days	Installation of	ion of motal roof steelwork G
268	1.3.2.1.2.3.4	Installation of metal roof steelwork GL 1 - 5	C2	11 days	3 Apr 24	13 Apr 24		269FS+8 days,270FS+8 day	-1 day	instanat	
209	1.3.2.1.2.3.5	Installation of metal root decking GL 1 - 8	C2	20 days	22 Apr 24	30 Jun 24			-1 day		structural stee
270	1.3.2.1.2.3.3.1	"GUD!" water-guard waterproofing membrane	C2	50 days	22 Apr 24	31 IVIdy 24	200F3+0 Udys	500F5+8 udys	-1 Udy		"GUDI" wa
272	1.3.2.1.2.3.5.2	setting out works of "BIGDAI "Alum Halter	C2	2 days	5 Jun '24	6 lun '24		273	10 days		settin
273	1.3.2.1.2.3.5.4	Fixing of "RIGDAL" Alum Halter	C2	10 days	7 Jun '24	16 Jun '24	272	274SS+3 days.275SS+3 day	10 days		
274	1.3.2.1.2.3.5.5	Fixing of "KNAUF" thermal insulation	C2	3 days	10 Jun '24	12 Jun '24	273SS+3 days		28 days		
275	1.3.2.1.2.3.5.6	Fixing of "RIGIDAL" Zip-Lok 400 thk alum standing seam profile	C2	21 days	10 Jun '24	30 Jun '24	273SS+3 days		10 days	Fi	ixing of "RIGIDAL" Zip-L
276	1.3.2.1.2.3.6	Installation of vertical louvres and windows	C2	20 days	1 Jul '24	20 Jul '24	269	3	10 days		
277	1.3.2.2	EVA no. 2	C2	164 days	28 Jan '24	31 Jul '24			12 days		
278	1.3.2.2.1	Underground services (not affect by OD)	C2	33 days	28 Jan '24	12 Mar '24			95 days		
280	1.3.2.2.2	Underground services (affect by OD)	C2	108 days	19 Feb '24	15 Jun '24			2 days		
281	1.3.2.2.2.1	Undercutting works (by coring method)	C2	91 days	19 Feb '24	29 May '24			2 days		
296	1.3.2.2.2.2	Drainage and sewage by open cut method	None	66 days	17 Mar '24	21 May '24			52 days		
300	1.3.2.2.2.3		None	21 days	26 May '24	15 Jun '24	00050 4 4-	050.010	2 days		
301	1.3.2.2.2.3.1	DN600FW & DN300SW mains	02	21 days	26 May 24	15 Jun 24	298FS+4 da	y352,313	2 days		
302	1.3.2.2.3	EVA construction	02	126 days	18 Mar 24	31 JUI 24			23 days		
303	1.3.2.2.3.1	EVA no. 2 (beside tollet cum)	Nono	123 days	18 Mar 24	28 Jul 24			26 days		
305	1.3.2.2.3.1.1	nines laving for rain garden drainage (with manholes)	C2	54 days	18 Mar '24	20 May '24	279FS+5 days		95 days	bipes laving for rain gar	den drainage (with man
306	1.3.2.2.3.1.1.2	Duct and drawpits after drainage and waterworks co	or C2	12 days	9 Jun '24	20 Jun '24	270FS+8 da	307.320FS-3 davs	-1 dav	· · · · · · · · · · · · · · · · · · ·	Duct and drawpits af
307	1.3.2.2.3.1.1.3	Backfilling	C2	3 days	21 lun '24	23 lun '24	306	308	2 days		
308	1.3.2.2.3.1.1.4	u-channel construction & fire main laying	C2	12 days	24 Jun '24	5 Jul '24	307	309	2 days		
309	1.3.2.2.3.1.1.5	subbase laying for the EVA	C2	9 days	6 Jul '24	14 Jul '24	308	310	2 days		
310	1.3.2.2.3.1.1.6	pavement	C2	14 days	15 Jul '24	28 Jul '24	309	311FF	2 days		
311	1.3.2.2.3.1.1.7	E&M works (for lighting)	C2	21 days	8 Jul '24	28 Jul '24	310FF	3	2 days		
312	1.3.2.2.3.2	EVA no. 2 (reserve for observation deck)	C2	43 days	16 Jun '24	28 Jul '24			2 days		
313	1.3.2.2.3.2.1	Duct and drawpits after drainage and waterworks com	pC2	10 days	16 Jun '24	25 Jun '24	301	314	2 days		Duct and drawpits
314	1.3.2.2.3.2.2	backfilling	C2	4 days	26 Jun '24	29 Jun '24	313	315	2 days		1
315	1.3.2.2.3.2.3	u-channel construction & fire main laying	C2	10 days	30 Jun '24	9 Jul '24	314	316	2 days		
316	1.3.2.2.3.2.4	subbase laying for the EVA	C2	9 days	10 Jul '24	18 Jul '24	315	317	2 days		
317	1.3.2.2.3.2.5	pavement	C2	10 days	19 Jul '24	28 Jul '24	316	318FF	2 days		
318	1.3.2.2.3.2.6		C2	21 days	8 Jul '24	28 Jul '24	31/FF	3	2 days		
319	1.3.2.2.3.3	Duct and drawpits after EVA no. 3 complete (after close the current access by using access through EVA no. 10 underneath Bridge D3)	C2	10 days	18 Jun '24	27 Jun '24	306FS-3 days	321	-1 day -1 day	(after close the current	access by using access t
		Task Summan		Start-only	г	Critical		Progress			
		Milestone		Finish-only	-	Critical Calit		Manual Progress			
		ivinescone Project Summary	U	i misit-offiy	-	Chucai split		wanuar Progress			
							Page 4	of 12			



Penta-Ocean Constructio	on Co., Ltd.	Project: ED201801 - Kai Tak Development - Stage 4 Infrastructure at the Former Runway & South Apron Section 6C with critcal path (1 Feb 2024)										
ID WBS	Task Name	Task	Duration	Start	Finish	Predecessors	Successors	Total Slack	Half 1, 2024			
321 1 3 2 2 3 3 2	hackfilling	Calenda	ar 3 davs	28 lun '24	30 Jun '24	320	377	-1 day	J			
322 1.3.2.2.3.3.3	u-channel construction	C2	10 days	1 Jul '24	10 Jul '24	321	323	-1 day				
323 1.3.2.2.3.3.4	subbase laving for the EVA	C2	9 days	11 Jul '24	19 Jul '24	322	324	-1 day				
324 1.3.2.2.3.3.5	Pavement	C2	12 days	20 Jul '24	31 Jul '24	323	3	-1 day				
325 1.3.2.3	Works affect by OD (outside EVA no. 2)	C2	88 days	10 Apr '24	16 Jul '24	010	•	0 days				
326 1.3.2.3.1	Works to be carried out after water main diversion from	None	61 days	10 Apr '24	9 Jun '24							
1.5.2.5.1	Gammon complete	None	or days	10 Apr 24	5 Juli 24			o days				
327 1.3.2.3.1.1	water main in conflict with our drainage works divert by Gam	nNone	0 days	10 Apr '24	10 Apr '24		328FS+7 days	0 days				
328 1.3.2.3.1.2	site formation prior to the underground service	C2	7 days	17 Apr '24	28 Apr '24	327FS+7 days	329FS+3 days	0 days	site formation prior to the uno			
329 1.3.2.3.1.3	PMH318 to PMH363	C2	7 days	7 May '24	13 May '24	328FS+3 days	330FS+4 days	0 days				
330 1.3.2.3.1.4	DN600 storm drains (PMH363 to 364)	C2	9 days	18 May '24	26 May '24	329FS+4 days	3,331	0 days	DN600 s			
331 1.3.2.3.1.5	DN525 storm drains (PMH362 to 363)	C2	14 days	27 May '24	9 Jun '24	330	333SS+8 days,1137	0 days	DN5			
332 1.3.2.3.2	Works to be carried out concurrently with the installation of	None	43 days	4 Jun '24	16 Jul '24			0 days				
	steel roof of Observation Deck								_			
333 1.3.2.3.2.1	DN600 storm drains (PMH364 to 393)	C2	10 days	4 Jun '24	13 Jun '24	331SS+8 days	3,334	0 days	U			
334 1.3.2.3.2.2	DN525 storm drains (PMH392 to 393)	C2	7 days	14 Jun '24	20 Jun '24	333	335,336SS+3 days	0 days				
335 1.3.2.3.2.3	DN450 storm drains (PMH391 to 392)	C2	7 days	21 Jun '24	27 Jun '24	334	347SS	0 days	DNIGO			
336 1.3.2.3.2.4	DN160 sewer beside storm drains PMH391 to 393	C2	5 days	17 Jun '24	21 Jun '24	334SS+3 days	337	14 days	DN 160 S			
337 1.3.2.3.2.5	EVA no. 10 underneath bridge D3	C2	25 days	22 Jun '24	16 Jul '24	336	3	14 days				
338 1.3.2.4	Architectural/ Hard Landscaping works	C2	64 days	28 May 24	30 Jul 24			24 days				
339 1.3.2.4.1	Ampnitneatre	C2	21 days	28 Jun '24	18 Jul '24			12 days				
340 1.3.2.4.1.1	Excavation	C2	4 days	28 Jun '24	1 Jul '24	186SS	341	12 days				
341 1.3.2.4.1.2	Sub base	C2	3 days	2 Jul '24	4 Jul '24	340	342	12 days				
342 1.3.2.4.1.3	Honed concrete	C2	14 days	5 Jul '24	18 Jul '24	341	3	12 days				
343 1.3.2.4.2	Terraced planter	None	60 days	28 May '24	26 Jul '24			28 days				
344 1.3.2.4.2.1	Excavation	C2	7 days	28 May '24	3 Jun '24			81 days				
345 1.3.2.4.2.2	concrete installation	C2	24 days	3 Jul '24	26 Jul '24		3	4 days				
346 1.3.2.4.3	Stepped seating (underneath bridge D3)	None	40 days	21 Jun '24	30 Jul '24			0 days				
347 1.3.2.4.3.1	excavation	C2	4 days	21 Jun '24	24 Jun '24	335SS	348	0 days				
348 1.3.2.4.3.2	footing construction	C2	12 days	25 Jun '24	6 Jul '24	347	349	0 days				
349 1.3.2.4.3.3	footing curing	C2	3 days	7 Jul '24	9 Jul '24	348	350	0 days				
350 1.3.2.4.3.4	seating installation	C2	21 days	10 Jul '24	30 Jul '24	349	3	0 days				
351 1.3.3	Watermain connection between Area No.1 and 2	None	15 days	16 Jun '24	30 Jun '24			30 days				
352 1.3.3.1	preparation works for testing	C2	3 days	16 Jun '24	18 Jun '24	301	353	30 days				
353 1.3.3.2	pressure test and swabbing test	C2	7 days	19 Jun '24	25 Jun '24	352	354	30 days				
354 1.3.3.3	water mains connection by WSD	C2	5 days	26 Jun '24	30 Jun '24	353	3	30 days				
355 1.4	Open Space Beside Existing Seawall	C2	251 days	3 Nov '23	1 Aug '24			22 days				
356 1.4.1	Area No. 3	C2	245 days	3 Nov '23	26 Jul '24			28 days	But we have			
357 1.4.1.1	Drainage and Water works	C2	42 days	24 Nov '23	4 Jan '24			210 days	Drainage and water			
360 1.4.1.2	Harbour Step (120m)	C2	227 days	3 Nov '23	8 Jul '24			46 days	21./1			
361 1.4.1.2.1	Harbour step (upto the work zone of outfall no.1)	C2	80 days	3 Nov '23	21 Jan '24	00.1 <u>50</u> 0 1		193 days	21/1			
362 1.4.1.2.2	Remaining harbour step after completion of the outfall no.	1 02	42 days	19 Mar 24	9 May 24	384FS+2 day	363FS-10 days,387FS+0	4 daysling narbour step	after completion of the outfal			
363 1.4.1.2.3	architectural works of Harbor step	C2	70 days	20 Apr '24	8 Jul '24	362FS-10 da	402SS,691SS	22 days	architectural wo			
364 1.4.1.3		C2	62 days	3 Jan '24	16 Mar 24			4 days	1			
365 1.4.1.3.1	Construction of precast concrete unit of Outfall 1	C2	62 days	3 Jan '24	16 Mar '24			4 days				
385 1.4.1.4	EVA no. 3	C2	72 days	16 May '24	26 Jul '24			4 days				
386 1.4.1.4.1	Within EVA	None	70 days	16 May '24	24 Jul '24		000	6 days	In stall 1 at 1 at 1			
38/ 1.4.1.4.1.1	Installation of ducts and drawpits within EVA	02	21 days	16 May '24	5 Jun '24	362FS+6 day	388	6 days	installation of d			
388 1.4.1.4.1.2	backfilling	C2	4 days	6 Jun '24	9 Jun '24	38/	389FS+7 days	6 days				
389 1.4.1.4.1.3	u-channel construction & fire main laying	C2	14 days	17 Jun '24	30 Jun '24	388FS+7 days	390	6 days				
390 1.4.1.4.1.4	subbase laying for the EVA	C2	10 days	1 Jul '24	10 Jul '24	389	391	6 days				
391 1.4.1.4.1.5	pavement	C2	14 days	11 Jul '24	24 Jul '24	390	392FF	6 days				
392 1.4.1.4.1.6	E&M works	C2	21 days	4 Jul '24	24 Jul '24	391FF	3	6 days				
393 1.4.1.4.2	Outside EVA	None	72 days	16 May '24	26 Jul '24			4 days				
394 1.4.1.4.2.1	Installation of ducts and drawpits outside EVA	02	16 days	16 May '24	31 May '24	362FS+6 day	395FS+5 days	4 days	installation of du			
395 1.4.1.4.2.2	additional u-channel construction beside harbor step	02	14 days	6 Jun '24	19 Jun '24	394FS+5 days	399,396FS+7 days	4 days	additional u-cha			
396 1.4.1.4.2.3	Hard landscape (include walkway) and soft landscaping	NC2	30 days	27 Jun '24	26 Jul '24	395FS+7 day	3	4 days	Hard landscape			
39/ 1.4.2	Area No.4	02	242 days	3 NOV 23	23 Jul '24			/ days				
398 1.4.2.1	Drainage and water works	C2	10 days	20 Jun '24	29 Jun '24			31 days	1			
	Tack		Ctort and	r	Cultive		Decessor					
	Nilastana Aurona Danis Car	-1	Start-ONIY	-	Critical		Progress					
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Project: ED201801 - Kai Tak Development - Stage 4 Infrastructure at the Former Runway & South Apron Section 6C with critcal path (1 Feb 2024)

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ID	WBS	Task Name	Task	Duration	Start	Finish	Predecessors	Successors	Total Slack		Half 1, 2024
400	1.4.2.2	Harbour Step (120m)	Calenda C2	ar 227 davs	3 Nov '23	8 Jul '24			22 days	N	J
401	1.4.2.2.1	Harbour step (upto the work zone of outfall no.1)	C2	80 davs	3 Nov '23	21 Jan '24		3	169 days		21/1
402	1.4.2.2.2	architectural works of Harbor step	C2	70 days	20 Apr '24	8 Jul '24	36355	3	22 days		architectural wo
403	1.4.2.3	EVA no. 4	C2	117 days	19 Mar '24	23 Jul '24		-	7 days		
404	1.4.2.3.1	Within EVA	None	127 davs	19 Mar '24	23 Jul '24			7 davs		
405	1.4.2.3.1.1	Installation of ducts and drawpits within EVA	C2	60 days	19 Mar '24	27 May '24		412SS,406FS+2 days	7 days	Installation of o	ucts and drawpits withi
406	1.4.2.3.1.2	backfilling	C2	5 days	30 May '24	3 Jun '24	405FS+2 days	407FS+10 days	7 days		
407	1.4.2.3.1.3	u-channel construction & fire main laving	C2	14 days	14 Jun '24	27 Jun '24	406FS+10 day	408	7 days		u u-
408	1.4.2.3.1.4	Subbase laving for the EVA	C2	10 days	28 Jun '24	7 Jul '24	407	409	7 days		
409	1.4.2.3.1.5	pavement	C2	16 days	8 Jul '24	23 Jul '24	408	410FF	7 days		
410	1.4.2.3.1.6	E&M works	C2	21 days	3 Jul '24	23 Jul '24	409FF	3	7 days		
411	1.4.2.3.2	Outside EVA	None	118 days	19 Mar '24	14 Jul '24			16 days		
412	1.4.2.3.2.1	Installation of ducts and drawpits outside EVA	C2	60 davs	19 Mar '24	27 May '24	405SS	413FS+14 davs	16 davs	Installation of d	ucts and drawpits outside
413	1.4.2.3.2.2	additional u-channel construction beside barbor step	C2	14 days	11 lun '24	24 lun '24	412ES+14 day	414	16 days		additional u-cl
414	1.4.2.3.2.3	Hard landscape and soft landscaping works (include wal	k C2	20 davs	25 Jun '24	14 Jul '24	413	3	16 days		Hard landscape ar
415	1.4.3	Area No.5	C2	203 days	21 Dec '23	1 Aug '24	-	-	22 days		
416	1.4.3.1	Drainage and Water works	C2	32 days	28 Apr '24	3 Jun '24			18 days	•	
419	1.4.3.2	Outfall 2	C2	162 days	21 Dec '23	21 Jun '24			40 days		
456	1.4.3.3	Floating Stage	C2	125 days	22 Jan '24	16 Jun '24			68 days	·	
457	14331	Preparation Works	C2	40 days	22 Jan '24	13 Mar '24			129 days		
460	14332	Type 2B (CHA0 00 \sim CHA7 13) - Bay 1	C2	40 days	25 Jan '24	20 Mar '24			146 days		· · ·
400	1 4 3 3 3	Type 20 (CHA7 13 - CHA16 58) - Bay 1	C2	76 days	27 Jan '24	28 Apr '24			88 days		
191	1 4 3 3 4	Type 2A (CHA16 58 - CHA28 46) - Bay 3	C2	70 days	27 Jan '24	10 Apr '2/			116 days		
511	1.4.3.3.4	Type 2A (CHA18.36 \sim CHA20.46) - Bay 3	C2	61 days	1/ Mar '2/	26 May '24			65 days		
520	1.4.3.3.5	Type 1A (CHA41 49 \sim CHA41.49) - Bay 4	02	60 days	14 Mar '24	20 May 24			60 days		
525	1.4.3.3.0	Type 24 (CHA52 82 CHA71 82) - Bay 6	C2	09 uays	14 Mai 24	5 lup '24			55 days		
545	1.4.3.3.7	Type 2A (CHA52.02 ~ CHA71.02) - Bdy 0 Type 1B (CHA71.92 $-$ CHA07.40) (C shape structure) =	02	41 udys	16 Apr 24	16 Jun '24			55 days		
505	1.4.3.3.0	Evenuetion for construction of Election Stage		14 udys	25 War '24	10 Juli 24		ECE	44 uays	Excavation for	r construction of Election
504	1.4.3.3.0.1	Excavation for construction of Floating Stage	02	1 days	25 IVIAI 24	0 Apr 24	564	505	93 days	Excavation it	Placing blin
565	1.4.3.3.0.2		02	i day	9 Apr 24	9 Apr 24	304	700	95 days		Flacing bin
566	1.4.3.3.8.3	Base slab construction	None	9 days	10 Apr '24	18 Apr '24			103 days		
572	1.4.3.3.8.4	Wall construction	None	20 days	28 May '24	16 Jun '24	50400 4 1		44 days		ا ا است ا
573	1.4.3.3.8.4.1	Erection of scatfold working platform	02	4 days	28 May 24	31 May 24	594SS+1 day	574	44 days		Ereci
5/4	1.4.3.3.8.4.2	Erection of timber & GRP formwork for wall	02	6 days	1 Jun '24	6 Jun '24	573	5/555+2 days,5/6	44 days		Erection c
575	1.4.3.3.8.4.3	Rebar fixing for wall	02	3 days	3 Jun 24	5 Jun '24	574SS+2 day	3	55 days		
5/6	1.4.3.3.8.4.4		62	T day	7 Jun 24	7 Jun 24	574	5//FS+2 days,5/8FS+2	44 days	D '	
577	1.4.3.3.8.4.5	Dismantie of timber formwork for wall and scatfold working platform	C2	7 days	10 Jun '24	16 Jun '24	576FS+2 days	3	44 days	Disman	tie of timber formwork
578	1.4.3.3.8.4.6	Backfilling with rockfill material behind the Floating Stage structure	C2	3 days	10 Jun '24	12 Jun '24	576FS+2 days	3	48 days	Backi	filling with rockfill mater
579	1.4.3.3.9	Type 2A (CHA97.49 ~ CHA118.37) - Bay 8	C2	33 days	28 Apr '24	4 Jun '24			3 days		
596	1.4.3.3.10	Type 1A (CHA118.37 ~ CHA133.81) (C-shape structure)	- C2	42 days	1 May '24	14 Jun '24			2 days		
597	1.4.3.3.10.1	Fabrication of GRP mould	C2	14 days	1 May '24	17 May '24			98 days		Fabi
598	1.4.3.3.10.2	Relocation of excavated armour rock to Part 4 of the Site	C2	7 days	5 May '24	11 May '24		599	1 day	Relocatio	on of excavated armour r
599	1.4.3.3.10.3	Excavation for construction of Floating Stage	C2	7 days	12 May '24	18 May '24	598	600,615SS	1 day		Excavation for con
600	1.4.3.3.10.4	Placing blinding concrete	C2	1 day	19 May '24	19 May '24	599	602	63 days		
601	1.4.3.3.10.5	Base slab construction	None	9 days	20 May '24	28 May '24			63 days		
607	1.4.3.3.10.6	Wall construction	None	18 days	28 May '24	14 Jun '24			3 days		
608	1.4.3.3.10.6.1	Erection of scaffold working platform	C2	1 day	28 May '24	28 May '24	594SS+1 day	3,609	3 days		Erec
609	1.4.3.3.10.6.2	Erection of timber & GRP formwork for wall	C2	8 days	29 May '24	5 Jun '24	608	610SS+4 days	3 days		Erection of
610	1.4.3.3.10.6.3	Rebar fixing for wall	C2	2 days	2 Jun '24	3 Jun '24	609SS+4 day	611	3 days		
611	1.4.3.3.10.6.4	Concreting of wall	C2	1 day	4 Jun '24	4 Jun '24	610	612FS+2 days	3 days		
612	1.4.3.3.10.6.5	Dismantle of timber formwork for wall and scaffold	C2	5 days	7 Jun '24	11 Jun '24	611FS+2	613	3 days	Dismant	le of timber formwork fo
613	1.4.3.3.10.6.6	Backfilling with rockfill material behind the Floating	C2	3 days	12 Jun '24	14 Jun '24	days 612	677	3 days	Back	filling with rockfill mate
C1 ·	1 4 9 9 4 4	Stage structure	100	06 4	10 May 104	16 1 104			4 4		
614	1.4.3.3.11	Type 2A (CHA133.81 ~ CHA137.55, adjacent Outfall 2) -	rU2	So days	12 Way 24	10 JUN 24	50000	616 60100			Execution for co-
015	1.4.3.3.11.1	Excavation for construction of Floating Stage	02	o days	12 Way 24	17 IViay 24	09900	010,03133	1 day		
010	1.4.3.3.11.2		02	i day	to iviay 24	To Iviay 24	010	010	i day		
61/	1.4.3.3.11.3	Base stap construction	None	9 days	19 IVIAY '24	27 May '24			1 day		
023	1.4.3.3.11.4	wall construction	None	20 days	28 iviay '24	16 Jun '24			1 day		
		Tack		Start only	г	Critical		Program			
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ID	WBS	Task Name	Task	Duration	Start	Finish	Predecessors	Successors	Total Slack	Half 1, 2024
624	1.4.3.3.11.4.1	Erection of scaffold working platform	Calenda C2	ar 1 dav	28 May '24	28 May '24	622	625	1 dav	Ere
625	1.4.3.3.11.4.2	Rebar fixing for wall	C2	3 days	29 May '24	31 May '24	624	626	1 day	
626	1.4.3.3.11.4.3	Erection of timber formwork for wall	C2	3 days	1 Jun '24	3 Jun '24	625	627	1 day	I
627	1.4.3.3.11.4.4	Concreting of wall	C2	1 day	4 Jun '24	4 Jun '24	626	628FS+2 days	1 day	
628	1.4.3.3.11.4.5	Dismantle of timber formwork for wall and scaffold working platform	C2	7 days	7 Jun '24	13 Jun '24	627FS+2 days	629	1 day	Dismantle of timber formwork
629	1.4.3.3.11.4.6	Backfilling with rockfill material behind the Floating Stage structure	C2	3 days	14 Jun '24	16 Jun '24	628	677	1 day	Backfilling with rockfill ma
630	1.4.3.3.12	Type 2A (CHB0.00 ~ CHB14.30, adjacent Outfall 2) - Bay	/ C2	35 days	12 May '24	15 Jun '24			2 days	
631	1.4.3.3.12.1	Excavation for construction of Floating Stage	C2	8 days	12 May '24	19 May '24	615SS	632,647SS	2 days	Excavation for co
632	1.4.3.3.12.2	Placing blinding concrete	C2	1 day	20 May '24	20 May '24	631	634	2 days	
633	1.4.3.3.12.3	Base slab construction	None	7 days	21 May '24	27 May '24			2 days	
639	1.4.3.3.12.4	Wall construction	None	20 days	27 May '24	15 Jun '24			2 days	_
640	1.4.3.3.12.4.1	Erection of scaffold working platform	C2	1 day	27 May '24	27 May '24	637	641	2 days	Ere
641	1.4.3.3.12.4.2	Rebar fixing for wall	C2	4 days	28 May '24	31 May '24	640	642	2 days	
642	1.4.3.3.12.4.3	Erection of timber formwork for wall	C2	3 days	1 Jun '24	3 Jun '24	641	643	2 days	
643	1.4.3.3.12.4.4	Concreting of wall	02	1 day	4 Jun '24	4 Jun '24	642	644FS+2 days,677	2 days	Dismonths of timbor formularly
644	1.4.3.3.12.4.5	working platform Backfilling with reckfill material behind the Electing	C2	o days	7 Jun 24	12 Jun 24	643F5+2 days	677	2 days	Backfilling with rockfill ma
045	1.4.0.0.12.4.0	Stage structure	02	0 days			011	0//	2 days	
646	1.4.3.3.13	Type 2A (CHB14.30 ~ CHB32.32) - Bay 12	C2	33 days	12 May '24	13 Jun '24			4 days	
662	1.4.3.4	EVA no.5	C2	53 days	7 Jun '24	29 Jul '24			-2 days	
663	1.4.3.4.1	Beside floating stage bays 1 to 4	None	49 days	7 Jun '24	25 Jul '24			-2 days	
664	1.4.3.4.1.1	Installation of duct and drawpit	C2	12 days	7 Jun '24	18 Jun '24	417FS+3 da	y665,671SS+5 days	-2 days	
665	1.4.3.4.1.2	backfilling	C2	4 days	19 Jun '24	22 Jun '24	664	666	5 days	
666	1.4.3.4.1.3	u-channel construction & fire main laying	C2	12 days	23 Jun '24	4 Jul '24	665	667	5 days	
667	1.4.3.4.1.4	subbase laying for the EVA	C2	9 days	5 Jul '24	13 Jul '24	666	668	5 days	
668	1.4.3.4.1.5	Pavement	C2	12 days	14 Jul '24	25 Jul 24	667 66955	669FF	5 days	
669	1.4.3.4.1.0	EXIVI WOIKS	02	21 days	5 Jul 24	25 Jul 24	000FF	3	5 days	
671	1.4.3.4.2	Beside floating stage bays 5 to 8	None	47 days	12 Jun 24	28 Jul 24	EEASSIE dave	672	-z days	Installation of duct and drawnits concur
0/1	1.4.3.4.2.1	floating stage bays 4 to 8	C2	14 uays	12 Juli 24	25 Juli 24	00433+5 uays	072	-2 uays	
672	1.4.3.4.2.2	u-channel construction & fire main laying	C2	12 days	26 Jun '24	7 Jul '24	671	673	-2 days	
673	1.4.3.4.2.3	subbase laying for the EVA	C2	9 days	8 Jul '24	16 Jul '24	672	674,684SS	-2 days	
674	1.4.3.4.2.4	pavement	C2	12 days	17 Jul '24	28 Jul '24	673	675FF	2 days	
675	1.4.3.4.2.5	E&M works	C2	21 days	8 Jul '24	28 Jul '24	674FF	3	2 days	
676	1.4.3.4.3	Beside floating stage 8 to 11	None	43 days	17 Jun '24	29 Jul '24			1 day	
677	1.4.3.4.3.1	sewage works (DF2a > DF1c > DF1d)	C2	6 days	17 Jun '24	22 Jun '24	613,629,645	, 453SS-7 days,678	1 day	
678	1.4.3.4.3.2	Installation of duct and drawpits	C2	9 days	23 Jun '24	1 Jul '24	677	679	1 day	
679	1.4.3.4.3.3	u-channel construction & fire main laying	C2	10 days	2 Jul '24	11 Jul '24	678	680	1 day	
680	1.4.3.4.3.4	subbase laying for the EVA	C2	8 days	12 Jul '24	19 Jul '24	679	681	1 day	
681	1.4.3.4.3.5	pavement	C2	10 days	20 Jul '24	29 Jul '24	680	682FF	1 day	
682	1.4.3.4.3.6	E&M works	C2	14 days	16 Jul '24	29 Jul '24	681FF	3	1 day	
683	1.4.3.5	Hard landscape and soft landscaping works	C2	25 days	8 Jul '24	1 Aug '24			-2 days	
684	1.4.3.5.1	Hard landscaping between floating stage and EVA	02	25 days	8 Jul 24	1 Aug '24	67355	3	-2 days	
685	1.4.4	Area no.6	C2	136 days	3 Mar '24	26 Jul 24			28 days	
600	1.4.4.1	Drainage and water works Harbour Steps	C2	45 days	20 Apr '24	8 Jul '24			97 days	
690	1.4.4.2	architectural works of Harbor stop	C2	70 days	20 Apr 24	8 Jul '24	36355	2	22 days	architectural w
692	1.4.4.2.1	EVA no 6	C2	70 days	20 Apr 24	26 Jul '24	30333	5	13 days	
693	1 4 4 2 1	Within EVA	None	79 days	9 May 24	26 Jul '24			13 days	
694	144311	Installation of ducts and drawpits within EVA	C2	30 days	9 May '24	7 Jun '24		695	13 days	Installation of duc
695	1.4.4.3.1.2	Backfilling	C2	5 days	8 lun '24	12 lun '24	694	696FS+4 days	13 days	
696	1.4.4.3.1.3	u-channel construction & fire main laving	C2	10 davs	17 Jun '24	26 Jun '24	695FS+4 days	697	13 days	
697	1.4.4.3.1.4	subbase laving for the EVA	C2	9 days	27 Jun '24	5 Jul '24	696	698	13 days	
698	1.4.4.3.1.5	pavement	C2	12 days	6 Jul '24	17 Jul '24	697	699FF	13 davs	
699	1.4.4.3.1.6	E&M works	C2	21 days	27 Jun '24	17 Jul '24	698FF	3	13 davs	
700	1.4.4.3.1.7	seal up two inspection chambers of box culvert (relate to the	C2	24 days	3 Jun '24	26 Jun '24			4 days	
		CE/124 of Section 8)								
701	1.4.4.3.1.7.1	EMSD accept remedial works for the MJ of cell B	C2	1 day	13 Jun '24	13 Jun '24			71 days	EMSD a
		Task Summary		Start-only	C	Critical		Progress		
		Milestone Project Summary	_	Finish-only	Э	Critical Split		Manual Progress		
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0005	Task Name	Task	Duration	Start	Finish	Predecessors	Successors	Total Slack	Half 1, 2024
702 1443172	permanent connection in changeover chamber complete	Calenda	r 17 davs	3 lun '24	19 lun '24		703	4 days	permanent connection
703 1.4.4.3.1.7.3	flow rate analysis in cell A & B	C2	2 davs	20 Jun '24	21 Jun '24	702	704	4 days	
704 1.4.4.3.1.7.4	Relocate the entrance away from the EVA	C2	, 5 days	22 Jun '24	26 Jun '24	703	705	4 days	
705 1.4.4.3.1.8	Remaining EVA works after sealing up two inspection chambe	r C2	30 days	27 Jun '24	26 Jul '24	704	3	4 days	Remaining EVA we
706 1.4.4.3.2	Outside EVA	None	68 days	16 May '24	22 Jul '24			8 days	
707 1.4.4.3.2.1	Installation of ducts and drawpits outside EVA	C2	26 days	16 May '24	10 Jun '24		708FS+7 days	8 days	Installation of du
708 1.4.4.3.2.2	85m DN225 sewage works connect to the drain fountain	C2	10 days	18 Jun '24	27 Jun '24	707FS+7 days	3,709	8 days	85m DN225 se
709 1.4.4.3.2.3	Hard landscape and soft landscaping works (include wall	cC2	25 days	28 Jun '24	22 Jul '24	708	3	8 days	Hard landscape
710 1.4.4.4	Elevated Landscape deck	None	108 days	5 Apr '24	21 Jul '24			33 days	
711 1.4.4.4.1	Structural works	None	83 days	5 Apr '24	26 Jun '24			58 days	
712 1.4.4.4.1.1	U-channel construction	C2	20 days	5 Apr '24	1 May '24		713	98 days	U-channel
713 1.4.4.4.1.2	division brick wall construction	C2	8 days	5 May '24	12 May '24	712	714	98 days	divisio
714 1.4.4.1.3	compacted soil fill	C2	5 days	13 May '24	17 May '24	713		98 days	
715 1.4.4.4.1.4	U-trough construction	C2	30 days	28 May '24	26 Jun '24		3	34 days	
716 1.4.4.4.2	Landscaping works	None	55 days	28 May '24	21 Jul '24		710	9 days	
717 1.4.4.4.2.1	Planter construction	02	/ days	28 May 24	3 Jun 24		/18	9 days	
718 1.4.4.2.2	soiling works for planter	C2	10 days	4 Jun '24	13 Jun '24	/1/	719	9 days	
719 1.4.4.4.2.3	planting works	C2	12 days	14 Jun 24	25 Jun 24	718	72055+4 days	9 days	
720 1.4.4.4.2.4	matching cover installation	C2	13 days	18 Jun 24	30 Jun 24	71955+4 days	721	9 days	
721 1.4.4.4.2.5	AGT Installation	C2	21 days	1 JUI 24	21 Jul 24	720	3	9 days	
722 1.4.4.4.2.0	Rail sheller installation	C2	30 days	30 Ividy 24	28 Juli 24		2 2	16 days	
723 1.4.4.4.2.7		C2	50 uays	13 Jul '24	14 Jul 24		3	22 days	
725 1 4 4 4 2 9	Drinline irrigation work	C2	13 days	4 Jul '24	16 Jul '24		3	14 days	
726 1.5	Temporary Management Office, Temporary Toilet, Plant	C2	153 days	20 Feb '24	31 Jul '24		5	-1 day	
	Rooms of Generatl Building services and Refuse Collection		loo aayo		0100.21			· uuy	
727 1.5.1	Temporary Office	C2	153 days	20 Feb '24	31 Jul '24			-1 day	
728 1.5.1.1	RC work & steel work	C2	26 days	29 Feb '24	25 Mar '24			117 days	1
734 1.5.1.2	Temporary Management Office	None	132 days	20 Feb '24	30 Jun '24			30 days	
735 1.5.1.2.1	Structural Steel	None	51 days	20 Feb '24	10 Apr '24			111 days	
738 1.5.1.2.2	Roof and wall cladding	C2	97 days	20 Feb '24	5 Jun '24			30 days	
751 1.5.1.2.3	Window	None	132 days	20 Feb '24	30 Jun '24			30 days	
752 1.5.1.2.3.1	Preparation works	None	105 days	20 Feb '24	3 Jun '24			42 days	
756 1.5.1.2.3.2	Installation works	None	15 days	16 Jun '24	30 Jun '24			30 days	
757 1.5.1.2.3.2.1	installation of window	C2	15 days	16 Jun '24	30 Jun '24	750FS+10 day	\$3	30 days	
758 1.5.1.3		C2	66 days	27 May 24	31 Jul 24			-1 day	
759 1.5.1.3.1	ABWF	None	66 days	27 May '24	31 Jul '24		764	-1 day	
760 1.5.1.3.1.1	site setting out	C2	1 day	27 May 24	27 Iviay 24	760	/61 76365+31 days 78365+31	-1 day	
761 1.5.1.3.1.2	Drywall efection works	C2	21 days	28 May 24	17 Jun 24	760 76155+21 day	76255+21 0ays,78255+21	C -I day	
762 1.5.1.5.1.5	wall plactering work at male toilet	C2	o uays 7 days	16 Jun 24	23 Jul '24	76133+21 uay	764 765 SS+2 dave	-1 day	
764 1 5 1 3 1 5	floor screeding work at male toilet	C2	7 days	3 Jul '24	2 Jul '24	763	767 770	-1 day	
765 1 5 1 3 1 6	wall plastering work at female toilet	C2	9 days	29 lun '24	7 Jul '24	76355+3 days	766	-1 day	
766 1 5 1 3 1 7	floor screeding work at female toilet	C2	9 days	8 Jul '24	16 Jul '24	765	768 772	-1 day	
767 1.5.1.3.1.8	Ceiling Paint	C2	10 days	10 Jul '24	19 Jul '24	764	769.775	1 day	
768 1.5.1.3.1.9	wall plastering work at remaining area (baby care room,	C2	3 days	17 Jul '24	19 Jul '24	766	774FS-2 days	-1 day	wall plastering work at remaining
769 1.5.1.3.1.10	floor screeding work at remaining area (baby care room, universal toilet family toilet	C2	5 days	20 Jul '24	24 Jul '24	767	3	6 days	floor screeding work at remain
770 1.5.1.3.1.11	wall tiles laying at male toilet	C2	10 davs	10 Jul '24	19 Jul '24	764	771FS-2 davs	-1 dav	1
771 1.5.1.3.1.12	floor tiles laying at male toilet	C2	7 days	18 Jul '24	24 Jul '24	770FS-2 days	778	-1 day	
772 1.5.1.3.1.13	wall tiles laying at female toilet	C2	, 10 days	17 Jul '24	26 Jul '24	766	773FS-2 days	-1 day	
773 1.5.1.3.1.14	floor tiles laying at female toilet	C2	7 days	25 Jul '24	31 Jul '24	772FS-2 days	779FF,780FF	-1 day	
774 1.5.1.3.1.15	wall tiles laying at remaining area (baby care room, universal	C2	10 days	18 Jul '24	27 Jul '24	768FS-2 days	776FS-3 days,777FS-4	-1 day	wall tiles laying at remaini
	toilet, family toilet						days		
775 1.5.1.3.1.16	painting for dry wall	C2	10 days	20 Jul '24	29 Jul '24	767	3	1 day	
776 1.5.1.3.1.17	floor tiles laying at remaining area (baby care room, universal toilet, family toilet	C2	7 days	25 Jul '24	31 Jul '24	774FS-3 days	3	-1 day	floor tiles laying at rema
777 1.5.1.3.1.18	door and door frame installation	C2	7 days	24 Jul '24	30 Jul '24	774FS-4 days	3	0 days	i i
		C 2	7 days	25 Jul '24	31 Jul '24	771	3	-1 day	
778 1.5.1.3.1.19	tollet cubical partition installation at male tollet	C2	7 00 95					,	i
778 1.5.1.3.1.19	Task Summary		Start-only	C	Critical		Progress	· ·	



	lask Name	Task	Duration	Start	Finish	Predecessors	Successors	Total Slack	Half 1. 2024
1542420		Calendar	r	25 1 1 2 4	24 1 1 2 4	77055	2		NJ
$\frac{1.5.1.3.1.20}{1.5.1.21}$	toilet cubical partition installation at female toilet	C2	/ days	25 Jul '24	31 Jul '24	77255	3	-1 day	sanitary fitment installation at male fem
1.5.1.5.1.21	room, universal toilet and family toilet	CZ	o udys	24 JUI 24	51 Jul 24	77566	5	-1 day	sumary mineric instantation at male, rem
1 1.5.1.3.2	E&M	None	39 days	18 Jun '24	26 Jul '24			4 days	
2 1.5.1.3.2.1	Electrical works	C2	25 days	18 Jun '24	12 Jul '24	761SS+21 day	3,783SS+7 days	4 days	
3 1.5.1.3.2.2	MVAC works	C2	25 days	25 Jun '24	19 Jul '24	782SS+7 days	3,784SS+7 days	4 days	
4 1.5.1.3.2.3	Plumbing and drainage works	C2	25 days	2 Jul '24	26 Jul '24	783SS+7 days	3	4 days	
5 1.5.1.4	Office area	None	59 days	29 May '24	26 Jul '24			4 days	
5 1.5.1.4.1	ABWF	None	52 days	29 May '24	19 Jul '24			4 days	
7 1.5.1.4.1.1	site setting out	C2	3 days	29 May '24	31 May '24		788,789	4 days	
3 1.5.1.4.1.2	Dry Wall & Block Wall erection for universal toilet	C2	14 days	1 Jun '24	14 Jun '24	787	790,799SS+21 days	4 days	Dry Wall & I
9 1.5.1.4.1.3	dry wall installation	C2	21 days	1 Jun '24	21 Jun '24	787	795	29 days	
0 1.5.1.4.1.4	waterproofing work for universal toilet incl. 48 hour test	C2	5 days	15 Jun '24	19 Jun '24	788	791	11 days	waterproofi
1 1.5.1.4.1.5	wall plastering work for universal toilet	C2	7 days	20 Jun '24	26 Jun '24	790	792	11 days	
2 1.5.1.4.1.6	floor screeding works for all office area	C2	10 days	27 Jun '24	6 Jul '24	791	793,794	11 days	
3 1.5.1.4.1.7	internal wall paint works for office, medical room, general	C2	10 days	7 Jul '24	16 Jul '24	792	797	11 days	internal wall pair
1 1 5 1 4 1 0	store room	<u></u>	1 dave	7 1.1 24	10 10124	702	706	17	
+ 1.5.1.4.1.8	wall tiles and floor tiles laying for universal toilet	C2	4 days	7 Jul 24	10 JUI 24	792	סצי 2	1/ days	
5 1 E 1 4 1 10	uour and door frame installation	C2		22 JUN 24	12 JUI 24	709	о о	29 days	
³ 1.3.1.4.1.10 7 1 5 1 4 1 1 1	Samuary numeric instantation for universal tollet	UZ Nona	s uays	17 Jul '24	15 JUL 24	794	2	11 days	
⁷ 1.5.1.4.1.11 3 1 5 1 4 2		None	3 udys	17 Jun 24	19 Jul 24	795	3	11 uays	
) 1.5.1.4.2	Electrical works	C2	21 days	22 Jun '24	12 Jul '24	79955+21 day	2 200517 days	4 days	
1.5.1.4.2.1	M//AC works	C2	21 days	22 Jun '24	12 Jul 24	70055+7 days	2 20155+7 days 20255+7 d	4 days	
1 1 5 1 4 2 3	Fire service works	C2	21 days	6 Jul '24	26 Jul '24	80055+7 days	3,80133+7 uays,80233+7 u	4 days	
2151424	Plumbing and drainage works	C2	10 days	6 Jul '24	15 Jul '24	80055+7 days	3	15 days	
1515	Remaining area (refuse collection chamber horticultural	None	59 days	30 May '24	27 Jul '24	0003317 0033	5	3 days	
1.5.1.5	machinery store room, etc	None	JJ uays	50 Widy 24	27 Jul 24			Juays	
1.5.1.5.1	ABWF	None	59 days	30 May '24	27 Jul '24			3 days	
5 1.5.1.5.1.1	site setting out	C2	3 days	30 May '24	1 Jun '24		806	3 days	
5 1.5.1.5.1.2	Drywall erection	C2	21 days	2 Jun '24	22 Jun '24	805	807,813SS+21 days	3 days	
7 1.5.1.5.1.3	wall plastering work for remaining areas	C2	7 days	23 Jun '24	29 Jun '24	806	808	3 days	
3 1.5.1.5.1.4	floor screeding works for remaining areas	C2	7 days	30 Jun '24	6 Jul '24	807	809,810	3 days	
9 1.5.1.5.1.5	internal wall paint works for remaining areas	C2	5 days	7 Jul '24	11 Jul '24	808	811SS+16 days	3 days	
1.5.1.5.1.6	wall tiles and floor tiles laying for refuse collection chamb	€C2	3 days	7 Jul '24	9 Jul '24	808	3	21 days	wall ti
1.5.1.5.1.7	door and door frame installation	C2	5 days	23 Jul '24	27 Jul '24	809SS+16 da	3	3 days	
² 1.5.1.5.2	E&M	None	28 days	23 Jun '24	20 Jul '24			10 days	
\$ 1.5.1.5.2.1	Electrical works	C2	21 days	23 Jun '24	13 Jul '24	806SS+21 day	3,814SS+7 days	10 days	
4 1.5.1.5.2.2	MVAC works	C2	21 days	30 Jun '24	20 Jul '24	813SS+7 days	3,815SS+7 days,816SS+7 d	10 days	
5 1.5.1.5.2.3	Fire service works	C2	10 days	7 Jul '24	16 Jul '24	814SS+7 days	3	14 days	
5 1.5.1.5.2.4	Plumbing and drainage works	C2	10 days	7 Jul '24	16 Jul '24	814SS+7 days	3	14 days	
7 1.6	Pumping station, box culvert and lifts	C2	701 days?	1 Sep '22	23 Aug '24			0 days?	
1.6.1	Sewage and Saltwater Pumping Station	C2	701 days?	' 1 Sep '22	23 Aug '24			0 days?	
9 1.6.1.1	ELS	C2	104 days	19 Mar '23	30 Jun '23		820	0 days	
1.6.1.2	PLT Test, Binder concrete	C2	13 days	14 Jun '23	26 Jun '23	819	826	0 days	
1.6.1.3	Structural works	C2	354 days	15 Mar '23	14 Mar '24			128 days	
1.6.1.4	Architectural works	C2	701 days?	1 Sep '22	23 Aug '24			0 days?	
1.6.1.4.1	B/F (saltwater pumping station)	02	145 days	26 Feb 24	29 Jul 24			4 days	
	ABWF	None	142 days	26 Feb '24	16 Jul '24		00400.1 day	4 days	Site setting out works for B
1.6.1.4.1.1.1	Sile selling out works for B/F	C2	4 days	26 Feb 24	29 Feb 24	02266 1 40	93455+1 day	4 days	Wall & coiling plastorir
1.0.1.4.1.1.2	Wall & ceiling plastering	C2	ou days	27 Feb 24	20 May 24	93355+1 ua	93355-11 uays,93053-4	4 days	wan & cennig plastern
1.0.1.4.1.1.3	Waii & Utiling painting WUNS	02	21 Udys	10 IVIAY 24	1 Jun 24		027EC+14 days 041	+ uays	Rlock wall arection
1.0.1.4.1.1.4	Block wall erection for interfacing WSD & DSD portion	C2	TO gave	23 IVIAY 24	12 Jun 24	934FS-4 days	957F5+14 0878,941	8 days	
1614116	Door and door frame installation	C2	20 uays 21 dave	16 Jun '24	15 Jul 24	93799	939	14 dave	
1614117	Paint / nlastering works touch up	C2	10 dave	7.101 '24	16 Jul '24	938	3	14 dave	
161412		None	54 days	6 lup '24	29 Iul '24	500	v	1 - uays	
161/171	MVAC works	(2	45 days	6 lup '24	20 Jul '24	935 936	94255+7 dave	4 days	
1614177	Flectrical works	C2	45 days	13 Jun '24	20 Jul 24	94155+7 dave	94355+7 days	4 days	
1.0.1.4.1.2.2		C2	+J udyS	15 JUII 24	27 JUI 24	JHIJJT/ Udys	J-JJJ+1 uays,34455+1 uay	4 udys	I
	Tack Cumman		Start only	г	C .:+:!		Progress		
	Nimmary	1 3	วเสม-บทพ	L.	Critical		riouress		



Penta-Ocean Construction	Co., Ltd.
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Project: ED201801 - Kai Tak Development - Stage 4 Infrastructure at the Former Runway & South Apron Section 6C with critcal path (1 Feb 2024)

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ID	WBS	Task Name	Task	Duration	Start	Finish	Predecessors	Successors	Total Slack		Half 1, 2024
943	1.6.1.4.1.2.3	Fire service works	Calenda C2	r 21 davs	20 Jun '24	10 Jul '24	942SS+7 davs	3	20 davs	N	J
944	1.6.1.4.1.2.4	Mechanical works	C2	40 days	20 Jun '24	29 Jul '24	942SS+7 days	945SS+7 days	4 days		
945	1.6.1.4.1.2.5	Plumbing and drainage works	C2	30 days	27 Jun '24	26 Jul '24	944SS+7 days	3	4 days		
946	1.6.1.4.2	B/F (sewage pumping station)	None	94 days	28 Apr '24	30 Jul '24			-11 days		
947	1.6.1.4.2.1	ABWF	None	67 days	28 Apr '24	3 Jul '24			-11 days		
948	1.6.1.4.2.1.1	Site setting out works for B/F	C2	2 days	28 Apr '24	1 May '24		949	-6 days		Site se
949	1.6.1.4.2.1.2	Wall & ceiling plastering	C2	25 days	5 May '24	29 May '24	948	950FS-5 days	-6 days		
950	1.6.1.4.2.1.3	Wall & ceiling painting works	C2	14 days	25 May '24	7 Jun '24	949FS-5 day	951FS-5 days,955	-6 days		
951	1.6.1.4.2.1.4	Floor screeding & apply floor finishes material	C2	10 days	3 Jun '24	12 Jun '24	950FS-5 days	952SS	27 days		Floor scre
952	1.6.1.4.2.1.5	Door and door frame installation	C2	21 days	3 Jun '24	23 Jun '24	951SS	953	27 days		
953	1.6.1.4.2.1.6	Paint / plastering works touch up	C2	10 days	24 Jun '24	3 Jul '24	952	3	27 days		
954	1.6.1.4.2.2	E&M	None	53 days	8 Jun '24	30 Jul '24	050	05666.7 days 060 4020	-6 days		
955	1.6.1.4.2.2.1	MVAC WORKS	C2	45 days	8 Jun 24	22 Jul 24	950 05555 - 7 days	95655+7 days,960,1028	-6 days		
950	1.6.1.4.2.2.2		C2	38 days	15 Jun 24	22 Jul 24	95555+7 days	95755+7 days,95855+3 day	-6 days		
958	1.0.1.4.2.2.5	Mechanical works	C2	21 uays	18 Jun '24	12 Jul 24	95655+3 days	900 95955+7 days 960	LS uays		
959	1.0.1.4.2.2.4	Plumbing and drainage works	C2	30 days	25 Jun '24	23 Jul 24	95855+7 days	960	1 day		
960	1.6.1.4.2.2.6		C2	5 days	26 Jul '24	30 Jul '24	955.956.957.9	3	0 days		
961	1.6.1.4.3	G/F Transformer Room	C2	123 days	1 Mar '24	11 Jul '24			9 davs		
962	1.6.1.4.3.1	ABWF	None	77 days	1 Mar '24	16 May '24			9 days		
974	1.6.1.4.3.2	E&M	None	75 days	28 Apr '24	11 Jul '24			14 days		
975	1.6.1.4.3.2.1	E&M works	C2	20 days	28 Apr '24	22 May '24	968	3	69 days		
976	1.6.1.4.3.2.2	Handover to CLP (after water-proofing double slab certificate issued)	C2	0 days	16 May '24	16 May '24	973,972	977,1102FS+7 days	-5 days		
977	1.6.1.4.3.2.3	Energization	C2	56 days	17 May '24	11 Jul '24	976	3,1028	5 days		
978	1.6.1.4.4	G/F (saltwater pumping station)	C2	679 days?	? 1 Sep '22	1 Aug '24			22 days?		
979	1.6.1.4.4.1	ABWF	None	95 days	28 Apr '24	31 Jul '24			-6 days		
980	1.6.1.4.4.1.1	Site setting out works	C2	5 days	28 Apr '24	7 May '24		981,982SS+1 day	-1 day		·
981	1.6.1.4.4.1.2	Vertify the site setting out with Architect & POC	C2	5 days	8 May '24	12 May '24	980	3	79 days		Vertify the site setting
982	1.6.1.4.4.1.3	Wall & ceiling plastering	C2	30 days	1 May '24	2 Jun '24	980SS+1 day	983SS+21 days,997,992	-1 day		
983	1.6.1.4.4.1.4	Wall & ceiling painting	C2	26 days	25 May 24	19 Jun '24	982SS+21 da	98455+7 days,98555+1	-1 day		
984	1.6.1.4.4.1.5	Floor Screeding & Finishes	02	21 days	1 Jun 24	21 Jun 24	98355+7 day	98655+7 days,997	- I day		
985	1.6.1.4.4.1.7	Handrail installation for ST 1, ST 2, ST 3, ST 6 8, ST 7	C2	7 uays	8 Jun '24	14 Jun 24	90355+14 ua	08799 11 days 1007	46 days		Handrail instal
987	1614418	Screeding and posing installation for ST-1, ST-2, ST-3, ST-3	C2	10 days	22 Jun '24	1. Jul '24	986SS+14	1008	19 days		Screeding and nosing
988	1.6.1.4.4.1.9	ST-6 & ST-7 Application of enoxy lining inside sewage chamber	None	28 days	20 lun '24	17 Jul '24	days	3	13 days		Applica
989	1.6.1.4.4.1.10	Door and door frame installation	C2	30 davs	20 Jun '24	19 Jul '24	983	990SS+7 davs	-1 dav		
990	1.6.1.4.4.1.11	Paint / plastering works touch up	C2	35 days	27 Jun '24	31 Jul '24	989SS+7 day	3	-1 day		
991	1.6.1.4.4.2	E&M	None	59 days	3 Jun '24	31 Jul '24			-1 day		
992	1.6.1.4.4.2.1	MVAC works	C2	30 days	3 Jun '24	2 Jul '24	982	993SS+7 days,998	7 days		
993	1.6.1.4.4.2.2	Electrical works	C2	30 days	10 Jun '24	9 Jul '24	992SS+7 days	994SS+7 days,995SS+7 day	7 days		
994	1.6.1.4.4.2.3	Fire service works	C2	20 days	17 Jun '24	6 Jul '24	993SS+7 days	998	17 days		
995	1.6.1.4.4.2.4	Mechanical works	C2	30 days	17 Jun '24	16 Jul '24	993SS+7 days	996SS+7 days,998	7 days		
996	1.6.1.4.4.2.5	Plumbing and drainage works	C2	20 days	24 Jun '24	13 Jul '24	995SS+7 days	998	10 days		
997	1.6.1.4.4.2.6	LV switch room	C2	40 days	22 Jun '24	31 Jul '24	982,983,984	3	-1 day		
998	1.6.1.4.4.2.7	T&C	C2	7 days	17 Jul '24	23 Jul '24	992,993,994,9	3	7 days		
999	1.6.1.4.4.3	G/F (sewage pumping station)	None	79 days	6 May '24	23 Jul '24			-18 days		
1000	1.6.1.4.4.3.1	Site setting out works	C2	3 days	6 May '24	8 May '24	1000	1001	-8 days		Vortify the site settin
1001	1.6.1.4.4.3.2	Wall & colling plastoring	C2	5 days	9 May 24	13 May 24	1000	1002 100355 21 days 10065	-8 days		verting the site settin
1002	1.6.1.4.4.3.4	Wall & ceiling plastering	C2	21 days	4 lun '24	24 Jun '24	100255+21	100533+21 days,10003	-o uays -8 days		
1003	1614435	Block wall erection for interfacing WSD & DSD portion	C2	10 days	4 Jun '24	13 lun '24	100200+21 da	1012 1017	3 days		Block wall erectic
1005	1.6.1.4.4.3.6	Floor Screeding & Finishes	C2	14 days	25 Jun '24	8 Jul '24	100233721 08	1017	6 days		
1006	1.6.1.4.4.3.7	Toilet fitting out works	C2	7 davs	27 May '24	2 Jun '24	1002SS+13 da	3	58 days		
1007	1.6.1.4.4.3.8	Handrail installation for ST-1, ST-2, ST-3, ST-6 & ST-7	C2	10 days	18 Jun '24	27 Jun '24	986	3	33 days		Handrail ir
1008	1.6.1.4.4.3.9	Screeding and nosing installation for ST-1, ST-2, ST-3, ST-6 & ST-7	C2	10 days	2 Jul '24	11 Jul '24	987	3	19 days		Screeding and nos
1009	1.6.1.4.4.3.10	Door and door frame installation	C2	24 days	18 Jun '24	11 Jul '24	1002	1010	7 days		
1010	1.6.1.4.4.3.11	Paint / plastering works touch up	C2	12 days	12 Jul '24	23 Jul '24	1009	3	7 days		
I		Task Summary		Start-only	L	Critical		Progress			
		Milestone Project Summary		rinish-only	1	Critical Split		Manual Progress			
							Page 10	of 12			



v V	VBS	Task Name	Task	Duration	Start	Finish	Predecessors	Successors	Total Slack Half 1, 2024
1011 1	.6.1.4.4.4	E&M	None	37 davs	25 Jun '24	31 Jul '24			-8 davs
1012 1	.6.1.4.4.4.1	MVAC works	C2	30 days	25 Jun '24	24 Jul '24	1003.1004	1013SS.1018.1028	-8 days
1013 1	.6.1.4.4.4.2	Electrical works	C2	30 days	25 Jun '24	24 Jul '24	101255	1014SS+7 days,1015SS+5 d	-8 days
1014 1	.6.1.4.4.4.3	Fire service works	C2	20 days	2 Jul '24	21 Jul '24	1013SS+7 days	1018	2 days
1015 1	.6.1.4.4.4.4	Mechanical works	C2	25 days	30 Jun '24	24 Jul '24	1013SS+5 days	1016SS+5 days,1018	-1 day
1016 1	.6.1.4.4.4.5	Plumbing and drainage works	C2	20 days	5 Jul '24	24 Jul '24	1015SS+5 days	1018	-1 day
1017 1	.6.1.4.4.4.6	LV switch room	C2	16 days	9 Jul '24	24 Jul '24	1003,1004,10(3	6 days
1018 1	.6.1.4.4.4.7	T&C	C2	7 days	25 Jul '24	31 Jul '24	1012,1013,101	3	-1 day
1019 1	.6.1.4.4.5	T&C of pumping system for saltwater pumping station (unde	None	48 days	15 Jun '24	1 Aug '24			-2 days
1020 1	.6.1.4.4.5.1	pump out the seawater trapped inside culvert to outlet	C2	3 days	15 Jun '24	17 Jun '24		1021	-2 days pump out the
1021 1	.6.1.4.4.5.2	seal up existing bulkhead between box culvert/intake culvert to prevent seawater flowing in	C2	3 days	18 Jun '24	20 Jun '24	1020	1022	-2 days ^{al} up existing bulkhead between box culvert/in
1022 1	.6.1.4.4.5.3	Confined space workers by Richwell (or JHL??) to carry out remaining civil works such as mass fill and r.c. landing	C2	21 days	21 Jun '24	11 Jul '24	1021	1023	-2 days s by Richwell (or JHL??) to carry out remaining
1023 1	.6.1.4.4.5.4	POC to carry out watertightness test of the structure	C2	7 days	12 Jul '24	18 Jul '24	1022	1024	-2 days
1024 1	.6.1.4.4.5.5	ATAL to install pumping system; secondary screens and conduct T&C (temporary access need to be provided by	C2	14 days	19 Jul '24	1 Aug '24	1023	3	-2 days pumping system; secondary screens and condu
1025 1	.6.1.4.4.6	water-proofing installation	None	1 day?	1 Sep '22	1 Sep '22			687 days?
1026 1	.6.1.4.4.6.1	water-proofing installation at the ground floor of the pumping station	None	1 day?	1 Sep '22	1 Sep '22			687 days?
1027 1	.6.1.4.5	FS Inspection	None	14 days	25 Jul '24	7 Aug '24			-8 days
1028 1	.6.1.4.5.1	FS Inspection	C2	14 days	25 Jul '24	7 Aug '24	1012,1013,955	3	-8 days
1029 1	.6.1.4.6	R/F	C2	52 days	3 Jul '24	23 Aug '24			-17 days
1030 1	.6.1.4.6.1	ABWF	None	52 days	3 Jul '24	23 Aug '24			-17 days
1031 1	.6.1.4.6.1.1	Floor screeding, Surface Channel Installation	C2	21 days	3 Jul '24	23 Jul '24		1032	-17 days
1032 1	.6.1.4.6.1.2	water-proofing installation	C2	10 days	24 Jul '24	2 Aug '24	1031	1033	-17 days
1033	.6.1.4.6.1.3	Laying AGT at Roof Floor	C2	21 days	3 Aug '24	23 Aug '24	1032	103555,103655,10375	-1/ days
1034 1	.6.1.4.6.2	E&M works	None	14 days	3 Aug '24	16 Aug '24		_	-17 days
1035 1	.6.1.4.6.2.1	Electrical works	C2	14 days	3 Aug '24	16 Aug '24	103355	3	-17 days
1036	.6.1.4.6.2.2	MVAL WORKS	C2	14 days	3 Aug 24	16 Aug 24	103355	3	-17 days
1037	.6.1.4.6.2.3	Fumbing and drainage works	C2	10 days	3 Aug 24	12 Aug 24	103355	3	-13 days
1020 1	.0.1.4.7		U2	10 days	20 Juli 24	21 Aug 24			-22 days
1039	.6.1.4.7.1	ABWF Touch up works for fair faced concrete	None	49 days	28 Jun 24	15 Aug 24		10/199 1/ dave 10/79	-22 days
1040	.0.1.4.7.1.1	Artifical grapite tiles	C2	21 days	12 Jul '24	1 Aug '24	104055,14 c	104133+14 Uays, 10473	-16 days
1041	614712		None	14 days	2 Aug '24	15 Aug '24	1041	2	-16 days
1042	<u>.0.1.4.7.1.5</u>	Steel Structure Works	None	14 days	2 Aug 24	21 Aug '24	1041	5	-10 days
1044 1	614721	Window and Louvre	None	20 days	19 Jul '24	7 Aug '24		3	-8 days
1045 1	6147211	Installation of window		20 days	19 Jul '24	7 Aug '24	1040	5	-8 days
1046 1	614722		C2	45 days	8 Jul '24	7 Aug 24	1040		-22 days
1047 1	6.1.4.7.2.2.1	installation of fin	C2	45 days	8 Jul '24	21 Aug '24	104055+10 day	3	-22 days
1048								-	
1049 1	.7	External Works beside Underpass and pumping station	C2	128 days	1 Mar '24	16 Jul '24			38 days
1050 1	.7.1	Sewage works	None	113 days	1 Mar '24	21 Jun '24			53 days
1076 1	.7.2	Rising main laying	None	123 days	1 Mar '24	1 Jul '24			53 days
1077 1	.7.2.1	Remaining rising main beside FMH223 to 223A (25m)	C2	10 days	1 Mar '24	10 Mar '24			156 days ing rising main beside FMH223 to 223A (25m)
1078 1	.7.2.2	Rising main beside FMH223A to 223B	C2	7 days	10 May '24	16 May '24	1081	3	75 days Rising ma
1079 1	.7.2.3	Last section of rising main upto the pumping station (around 4	1 C2	10 days	22 Jun '24	1 Jul '24	1075		53 days Last section of rising n
1080 1	.7.3	Water mains laying	None	71 days	7 May '24	16 Jul '24			14 days
1081 1	.7.3.1	Waterworks cross the sewer FMH223A to 223B	C2	3 days	7 May '24	9 May '24	418	1078	75 days Waterworks cross th
1082 1	.7.3.2	waterworks lay up to EVA no. 9	C2	5 days	11 Jun '24	15 Jun '24		1083	24 days
1083 1	.7.3.3	arrange water mains connection (10 days for preparation; 7 days for pressure test and swabbing; and 7 days connection	C2	21 days	26 Jun '24	16 Jul '24	1082,1108,11	3	14 daysD days for preparation; 7 days for pressure test
1084 1	.8	EVA nos.7 to 10	C2	676 days	1 Sep '22	29 Jul '24			1 day
1085	.8.1	EVA no. 7	C2	192 days	15 Dec '23	15 Jul '24			15 days
1086 1 1087 1	.8.1.1 .8.1.1.1	U/G service DN315 sewer with 2.5m deep after diversion Site 4E1 to	None C2	27 days	15 Dec '23 15 Dec '23	9 Jun '24 10 Jan '24		1121,1088	155 days use Road L12d 10/1
	8112	USE RUAU LIZU DN600 water main is to be laid after sewer complete	C2	25 days	11 .lan '94	4 Feh '24	1087	3	155 dayse laid after sewer complete
1088 1		Droop water main is to be laid after sewer complete		_0 uuys	10 5-1-104	24 Ech '24	1007	1008	

Page 11 of 12



Penta	-Ocean Constructio	n Co., Ltd.		Projec	t: ED201801 - K	ai Tak Developm Sectio	nent - Stage 4 on 6C with critc	Infrastructure at the Forr al path (1 Feb 2024)	ner Runway & S	outh Apron	
ID	WBS	Task Name	Task Calenda	Duration	Start	Finish	Predecessors	Successors	Total Slack	N	Half 1, 2024
1090	1.8.1.1.4	Telecom	C2	8 days	6 Mar '24	13 Mar '24	1098	1099	81 days		Telecom
1091	1.8.1.1.5	Storm SMH419-420	C2	14 days	30 Mar '24	12 Apr '24		3	99 days		Storm SMF
1092	1.8.1.1.6	CLP 132kV	C2	14 days	6 May '24	19 May '24	1115SS	1093	1 day		I I I
1093	1.8.1.1.7	CLP 11kV	C2	21 days	20 May '24	9 Jun '24	1092	1095FS+5 days	1 day		I I I
1094	1.8.1.2	EVA construction	C2	31 days	15 Jun '24	15 Jul '24			1 day		I I I
1095	1.8.1.2.1	Formation to subbase & surface drain	C2	14 days	15 Jun '24	28 Jun '24	1093FS+5 c	la 1096	1 day		I I I
1096	1.8.1.2.2	Bitumen and paving block (EVA 7)	C2	17 days	29 Jun '24	15 Jul '24	1095	3,1028	1 day		I I I
1097	1.8.2	EVA no. 8	C2	138 days	25 Feb '24	21 Jul '24			9 days		
1098	1.8.2.1	DN300 water main connect to washout chamber	C2	10 days	25 Feb '24	5 Mar '24	1089	1090	81 days	300 water main connect	to washout chamber 🎽
1099	1.8.2.2	washout chamber construction for water mains	C2	14 days	14 Mar '24	27 Mar '24	1090	1100	81 days	washout chamber c	onstruction for water mai
1100	1.8.2.3	50m DN315 sewer from FMH333 to 334	C2	21 davs	28 Mar '24	17 Apr '24	1099	1101	81 davs	50m D	N315 sewer from FMH33
1101	1.8.2.4	50m DN750 storm drains from SMH418 to 419	C2	13 davs	18 Apr '24	10 May '24	1100	3	81 davs	50m	DN750 storm drains from
1102	1.8.2.5	3 nos, 3.5m x 3.5m draw pits for CLP cabling works to the	C2	14 days	24 May '24	6 Jun '24	976FS+7	1103	-5 days	3 nos. 3.5m x 3.5m (raw pits for CLP cabling
		transformer room			,		days				
1103	1.8.2.6	50m DN100 water mains	C2	10 days	7 Jun '24	16 Jun '24	1102	1104	-5 days		
1104	1.8.2.7	EVA no. 8 construction	C2	35 days	17 Jun '24	21 Jul '24	1103	3,1028	-5 days		
1105	1.8.3	EVA no. 9	C2	86 days	10 Apr '24	14 Jul '24			1 day		
1106	1.8.3.1	Waterworks and Others	C2	79 days	10 Apr '24	7 Jul '24			1 day		
1107	1.8.3.1.1	Watermains	C2	79 days	10 Apr '24	7 Jul '24			1 day		
1108	1.8.3.1.1.1	Main pipes (40m x 3)	C2	10 days	10 Apr '24	19 Apr '24	923	1113,1083	1 day		Main pi
1109	1.8.3.1.1.2	road diversion to the completed run-in beside Gate 2A	None	0 days	14 Jun '24	14 Jun '24		1110,1111	14 days	i i	
1110	1.8.3.1.1.3	Branch pipes (50m x 2) (after road diversion to Gate 2A)	C2	12 days	14 Jun '24	25 Jun '24	1109	3,1083	14 days		Branch pipes (50)
1111	1.8.3.1.1.4	SWI dosing pipe and buliding plumbing (lay on top of uu) (after road diversion to Gate 2A)	C2	24 days	14 Jun '24	7 Jul '24	1109	3	23 days	I dosing pipe and bulidi	ng plumbing (lay on top
1112	1.8.3.1.2	UU (40m)	C2	41 days	20 Apr '24	9 Jun '24			1 day		
1113	1.8.3.1.2.1	Gas main	C2	6 days	20 Apr '24	5 May '24	1108	1114,1115	1 day		
1114	1.8.3.1.2.2	Telecom	C2	6 days	6 May '24	11 May '24	1113	3	80 days		
1115	1.8.3.1.2.3	CLP 132kV	C2	14 days	6 May '24	19 May '24	1113	1116,1092SS	1 day		
1116	1.8.3.1.2.4	CLP 11kV	C2	21 days	20 May '24	9 Jun '24	1115	1118	2 days		
1117	1.8.3.2	EVA no.9 construction	C2	35 days	10 Jun '24	14 Jul '24			2 days		
1118	1.8.3.2.1	Formation to subbase & surface drain	C2	14 days	10 Jun '24	23 Jun '24	1116	1119	2 days		
1119	1.8.3.2.2	Bitumen and paving block (EVA 9)	C2	21 days	24 Jun '24	14 Jul '24	1118	3,1028	2 days		
1120	1.8.4	EVA no. 10	C2	84 days	7 May '24	29 Jul '24			1 day		
1121	1.8.4.1	Permanent run-in of the road D3 construction	C2	23 days	8 May '24	30 May '24	1087	3	61 days		
1127	1.8.4.2	EVA construction	None	84 days	7 May '24	29 Jul '24			1 day		
1128	1.8.4.2.1	middle part	None	80 days	7 May '24	25 Jul '24			5 days	i i	
1129	1.8.4.2.1.1	stockpile vacation	C2	24 days	7 May '24	30 May '24		1130FS+5 days	5 days		
1130	1.8.4.2.1.2	duct and drawpits	C2	14 days	5 Jun '24	18 Jun '24	1129FS+5 c	la 1131	5 days		
1131	1.8.4.2.1.3	backfilling	C2	5 days	19 Jun '24	23 Jun '24	1130	1132	5 days		
1132	1.8.4.2.1.4	u-channel and fire main laving	C2	14 days	24 Jun '24	7 Jul '24	1131	1133SS+9 davs	5 davs		
1133	1.8.4.2.1.5	subbase laving	C2	12 days	3 Jul '24	14 Jul '24	1132SS+9 da	v:1134SS+9 davs	5 davs		
1134	1.8.4.2.1.6	paving blocks laving	C2	14 davs	12 Jul '24	25 Jul '24	1133SS+9 c	da3	5 davs		
1135	1.8.4.2.2	end part	None	50 days	10 Jun '24	29 Jul '24			1 dav	,	
1136	1.8.4.2.2.1	25m DN225 storm drain (PMH365 to 362)	C2	6 days	18 Jun '24	23 Jun '24	1137	1138	1 day	,	2
1137	1.8.4.2.2.2	53m DN375 storm drain (PMH362 to 361)	C2	8 davs	10 Jun '24	17 Jun '24	331	1138,1136	1 dav	,	53m
1138	1.8.4.2.2.3	duct and drawpits	C2	8 days	24 Jun '24	1 Jul '24	1137,1136	1139	1 dav	,	
1139	1.8.4.2.2.4	u-channel and fire main laving	C2	12 days	2 Jul '24	13 Jul '24	1138	1140	1 day		
1140	1.8.4.2.2.5	EVA underneath bridge D3	C2	16 days	14 Jul '24	29 Jul '24	1139	1142FF	1 day	,	
1141	1.8.4.3	Hard and soft landscaping works	C2	10 days	20 Jul '24	29 Jul '24			1 day		
1142	18431	Hard and soft landscaping works	C2	10 days	20 Jul '24	29 Jul '24	1140FF	3	1 day		
11/12	185	Box Culvert	C2	451 dave	1 Sen '22	25 Nov '22			226 days	Box Culvert	
	1.0.0		02	Hor uays	1 00p 22	20 100 23			220 uays		· · · ·

Task Milestone	*	Summary Project Summary	 Start-only Finish-only	с Э	Critical Critical Split		Progress Manual Progress
						Page 12 of 12	



Appendix C – Apply permission for Environmental Monitoring

Propose alternative monitoring location: The Lok Sin Tong Modular Social Housing Scheme	
Status: Rejected application	
Email on: 10 May 2022	Email on: 13 October 2022
Subject The Lok Sin Tong Benevolent Society Kowloon - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development	Subject The Lok Sin Tong Benevolent Society Kowloon - Reject to Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development
To Bcc	To Bcc
Date 2022-05-10 15:48	Date 2022-10-13 15:52
• Figure 1 Impact dust measurement setup.jpg(~1.2 MB) • Figure 2 Impact noise measurement setup.jpg(~979 KB) Company: The Lok Sin Tong Benevolent Society Kowloon By Email (Dear Madam S May 2022 Dear Sir/ Madam, Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of the EMBA programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron KR, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of the EMBA programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 project) starting from July 2019 to May 2024. KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular of the HKSAR, comprising the apron and runway areas of the former Kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau Kok, Kowloon Bay, Kuun Tong and Cha Kwo Ling. Your premise, Hong Kong Society for Blind Workshop and Hotels, is one of the proposed sensitive receivers. We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six	Date 2022-10-13 15:32 Company: The Lok Sin Tong Benevolent Society Kowloon By Email Dear Sir/ Referring to the communication between your staff and me regarding the captioned work at 21 September 2022, the Lok Sin Tong Benevolent Society Kowloon was rejected the apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development. Due to electricity supply and security concern in Modular House , Environmental monitoring at Modular House is not allowed open. Should you have any enquires regarding the measurement, please do not hesitate to contact Thank you for your kind attention and I look forward to receiving your favourable reply soon. Yours Sincerely, Lee Wing Hang Ka Shing Management Consultant Limited
days. The monitoring location will be located on the roof top floor of The Lok Sin Tong Modular Social Housing Scheme at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the measurement point for 1-hour TSP and 30-mintue noise measurement. We hope to conduct site visit at 13:30 pm of 25 May 2022 (Wed). Should you have any enquires regarding the measurement, please do not hesitate to contact at Thank you for your kind attention and I look forward to receiving your favourable reply soon. Yours Sincerely, Lee Wing Hang Ka Shing Management Consultant Limited	

Propose alternative monitoring location: Freder Centre		
Status: No reply from building management office unit the reporting month		
Email on: 19 July 2022		
Subject Freder Centre - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development		
From		
To		
Date 2022-07-19 13:33		
 Figure 1 Impact dust measurement setup.jpg(~1.2 Mb) Figure 2 Impact noise measurement setup.jpg(~979 KB) 		
Company: Freder Centre		
By Email		
Dear Sir		
Re: Environmental Monitoring for Kai Tak Development – Stage 4 Infrastructure at the former runway and south apron		
We, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of the EM&A programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 Project) starting from July 2019 to May 2024.		
KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular of the HKSAR, comprising the apron and runway areas of the former Kai Tak Airport and existing waterfront areas at To Kwa Wan, Ma Tau Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling. Your premise, Hong Kong Society for Blind Workshop and Hotels, is one of the proposed sensitive receivers.		
We would like to obtain your kind permission for entering the premise to carry out baseline and impact monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30- minute) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022.		
After baseline monitoring, impact dust monitoring (1-hour and 24-hour TSP monitoring) and impact noise monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six days.		
The monitoring location will be located on the roof top floor of Freder Centre at Junction of Sung Wong Toi Road and To Kwa Wan Road facing to Kai Tak Development area. 2200 power supply is needed for 24-hour TSP monitor with size 0.5m (L) x 0.5m (W) x 1.4m (H). We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the measurement point for 1-hour TSP and 30-mintue noise measurement.		
We hope to conduct site visit at 15:30pm of 26 July 2022 (Tue).		
Should you have any enquires regarding the measurement, please do not hesitate to contactat		
Thank you for your kind attention and I look forward to receiving your favourable reply soon.		
Yours Sincerely,		
Lee Wing Hang Ka Shing Management Consultant Limited		
<pre>Fub_res inductive modulus in advancement of fue unit the reporting month Fub_res in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building management of fue unit the reporting month fue in profit from building fue in profit from building management of fue unit the report in state if the fue in the report management of fue unit the fue in th</pre>	Dranges alternative manitaring lagation, New Part Contra	
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Email on: 17 August 2022 Solid: Two Port Centres - Apply parmission for Environmental Found Cubbs Compare The Compare - Apply parmission for Environmental Found Cubbs Compare The Cubbs Compare - Apply parmission for Environmental Found Cubbs Compare The Cubbs Compare - Apply parmission for Environmental Found Cubbs Compare The Cubbs Compare - Apply parmission for Environmental Found Cubbs Compare The Cubbs Compare - Apply parmission for Environmental Found Cubbs Compare The Cubbs Compare - Apply parmission for Environmental Found Cubbs Compare - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Apply parmission for Environmental Found Cubbs Compare - Page - Apply parmission for Environmental Found Cubbs Compare - Apply parmission for Environmental Found Cubbs Compare - Apply participation for Environmental Found Cubbs Compare - Apply paremission for Environmental Found Cubbs Compare - Apply p	Status: No reply from building management office unit the reporting month	
	Email on: 19 July 2022	Email on: 17 August 2022
Dir 202-07-913-33-37 View 21 mpast dust measurement stup jog(-1.2 M) Figure 2 impact noise measurement stup jog(-1.2 M) Figure 2 impact noise measurement stup jog(-979 K) Company: we APPT centre 8 synergis meagement services linited Figure 2. Impact noise measurement stup jog(-1.2 M) Figure 2. Impact noise measurement stup is stup i	Subject New Port Centre - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development	Subject Kum Shing Group and Hong Kong Energy Infrastructure Limited - Apply permission for Environmental Monitoring for Stage 4 of Kai Tak Development
 Pipure 1 report due measurement studp.jpd(-1.2 MB) Pipure 1 report due measurement studp.jpd(-1.2 MB) Pipure 1 report due measurement studp.jpd(-1.2 MB) Corpary: We Port Centre & Symepis mangement services limited Minim	Date 2022-07-19 13:33	Data 2022 09 17 11/54
 Company: New Port Entre & Synergis management services limited by famil	 Figure 1 Impact dust measurement setup.jpg(~1.2 MB) Figure 2 Impact noise measurement setup.jpg(~979 KB) 	
Thank you for your kind attention and I look forward to receiving your favourable reply soon. Yours Sincerely,	Spectra production will be located on the roof to ploor of New Port Centre at Junction of Sung Wong To Your Sincerely. Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere to conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere Wer find Mere to Site wise the time to site mere to conduct the contact contact the site wise the conduct site visit at 13:30pm of 26 July 2022 (Tue). Mere Sine Centre King Here Site King Management Consultant Limited Mere Sine Centre King Here Site King Management Consultant Limited Mere Site King Management Consultant Limited	 Figure 1 Impact dust measurement setup.jpg(~1.2 MB) Figure 2 Impact noise measurement setup.jpg(~9.79 KB) Jugu 01.jpg(~2.6 MB) Company: Kum Shing Group and Hong Kong Energy Infrastructure Limited By Email Dear Sin Mer Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron Wee, Ka Shing Management Consultant Limited (KS), is appointed by Civil Engineering and Development Depentent (CED), working as fruironmental Team (ET) to conduct the monitoring and audit works as part of the EMAA programme of the Kai Tak Development - Stage 4 Infrastructure at the former runway and south apron (KTD Stage 4 Project) starting from July 2019 to May 2024. We kould like to obtain your kind permission for entering the premise to carry out baseline and impact more monitoring, and partice dust monitoring (3-minute) would need to conduct to monitor DF monitoring) and baseline molise multiconing (3-minute) would need to conduct continuously for 14 days, our propose baseline monitoring days once every six days. The monitoring location will be located on the root top floor of New Port Centre at Junction of Sug Moy May 2024. After baseline monitoring, impact dust monitoring (1-hour and 2-hour TSP monitoring) and mapact noise monitors (2-hour TSP monitoring) and mapact noise monitoring (3-minute) would need to conduct continuously for 14 days, our propose baseline monitoring days once every six days. The monitoring location will be located on the root top floor of New Port Centre at Junction of Sug Moy May 2014 and Figure 4.50 (1) x 0.55 (1) x 1.46 (1), We will pay for the electricity. Similar setup photo records are shown in Figure 1 and Figure 2 for your kindly reference. Our technician will stay at the measurement. We hope to loan the company on the roof top floor of Plug 01 for 24-hour TSP monitoring in float 0-hour TSP monitoring was and for the shown

Propose alternative monitoring location: New Port Centre	
Status: No reply from building management office unit the reporting month	
Email on: 19 August 2022	Email on: 15 September 2022
	Subject New Port Centre - Apply permission for Environmental
Subject RF: Kum Shing Group and Hong Kong Energy Infrastructure	From
Limited - Apply permission for Environmental Monitoring for	То
	Bcc
Stage 4 of Kall lak Development	Date 2022-09-15 15:35
From	 Figure 1 Impact dust measurement setup.ipg(~1.2 MB)
To	 Figure 2 Impact noise measurement setup.jpg(~979 KB) Figure 3 expect Impact dust measurement setup.png(~267 KB)
IU	Figure 4 power supply plug.jpg(~2.6 MB)
Cc	Company: New Port Centre & Synergis management services limited
Data 2022-08-10 08-36	By Email
	Dear Sir,
	Re: Environmental Monitoring for Kai Tak Development - Stage 4 Infrastructure at the former runway and south
Dear Mr. LEE,	apron
	Department (CEDD), working as Environmental Team (ET) to conduct the monitoring and audit works as part of
As we do not have ownership to the roof, we'd suggest you to approach the management company of Newport	(KTD Stage 4 Project) starting from July 2019 to May 2024.
Center for further discussion.	KTD Stage 4 project is located in the south-eastern part of Kowloon Peninsular of the HKSAR, comprising the
https://www.synergis.com.hk/html/en/	Kok, Kowloon Bay, Kwun Tong and Cha Kwo Ling. Your premise, New Port Centre, is one of the proposed
	Sensitive receivers.
hest.	monitoring, baseline dust monitoring (1-hour and 24-hour TSP monitoring) and baseline noise monitoring (30- monitoring) would need to conduct continuously for 14 days, our propose baseline monitoring date is August 2022
Paul Lee	After basaline monitoring immart dust monitoring (1-bour and 24-bour TSP monitoring) and immart noise
	monitoring (30-minute) would take place between 08:00 hrs to 18:00 hrs in normal working days once every six
	uays. The monitoring location will be located on the poof ton floor of New Port Centre at lunction of Sung Wong
	To i Road and To Kwa Wan Road facing to Kai Tak Development area. 220V power supply is needed for 24-hour TSP monitor with bins \mathcal{B} m (1) × 0.5 m (1) × 0.5 m (1) × 1.4 m (1) while pay for the electricity. Similar setup plots
	records are shown in Figure 1 and Figure 2 for your kindly reference. The expect of impact dust measurement
	(Figure 4) for reference. Our technician will stay at the measurement point for 1-hour TSP and 30-mintue
	Should you have any enquires regarding the measurement, please do not besitate to contact
	anota you note ony enquares regularing the measurement; paease up hot nesature to concurt at
	Thank you for your kind attention and I look forward to receiving your favourable reply soon.
	Yours Sincerely,
	Lee Wing Hang Ka Shing Management Consultant Limited

Appendix D – Environmental monitoring schedules

Contract No. EDO 15/2018 Environmental Monitoring at Kai Tak Development Stage 4 Infrastructure at the former runway and south apron Environmental Monitoring and Weekly Site Inspection Schedule for May 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 Weekly Site Inspection 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	3	4
5	6	7	8 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	9 Weekly Site Inspection	10	11
12	13	14 Weekly Site Inspection + SSMC meeting 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	15	16	17	18
19	20 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	21	22	23 Weekly Site Inspection	24	25 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7
26	27	28	29	30 Weekly Site Inspection	31 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	

May 2024

NOTE:

1) Site inspection schedule and Impact monitoring schedule may be changed due to unforeseen circumstance (e.g. adverse weather).

Air Quality Monitoring Station

AM3 - Sky Tower AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop AM7 - Hong Kong Children's Hospital

Noise Quality Monitoring Station

M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop M12 - Hong Kong Children's Hospital

Contract No. EDO 15/2018 Environmental Monitoring at Kai Tak Development Stage 4 Infrastructure at the former runway and south apron Tentative Environmental Monitoring and Weekly Site Inspection Schedule for June 2024

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6 Weekly Site Inspection 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	7	8
9	10	11 Weekly Site Inspection + SSMC meeting	12 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	13	14	15
16	17	18 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	19	20 Weekly Site Inspection	21	22
23	24 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7 30-min Noise: M11, M12	25	26	27 Weekly Site Inspection	28	29 24-hr TSP: AM3, AM4(A), AM7 1-hr X3 TSP: AM3, AM4(A), AM7
30						

June 2024

NOTE:

1) Site inspection schedule and Impact monitoring schedule may be changed due to unforeseen circumstance (e.g. adverse weather).

2) Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A) and M11), the premises owner rejected ET to conduct impact monitoring starting from 1 Sept 2022. No 24-TSP monitoring will be conducted at AM4(A) while 1-hr TSP at AM4(A) and 30-min noise monitoring at M11 will be conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for AM4(A) and M11 are confirmed.

Air Quality Monitoring Station

AM3 - Sky Tower

AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

AM7 - Hong Kong Children's Hospital

Noise Quality Monitoring Station

M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

M12 - Hong Kong Children's Hospital

Appendix E – Photographic records

Impact TSP Monitoring



Impact Noise Monitoring



Appendix F – Calibration certificates, catalogue of air quality monitoring equipment









Catalogue of Dust Meter (TSI Sidepak AM510)

The SidePak AM510 monitor's easy-to-read display shows your data as both real-time aerosol mass-concentration and 8-hour time-weighted average (TWA). With its convenient data logging and long battery life, the AM510 is also ideal for extended sampling. The easy-to-use TrakPro Data Analysis Software lets you create effective graphs and reports.



User Friendly

+ Small, lightweight and quiet to maximize worker acceptance + Rugged design with secure belt clip + Easy-to-understand user interface with only four keys + Lockable keypad prevents tampering while sampling + User-adjustable sample flow rate + Define, label and store multiple calibration constants + Easy-to-read LCD display + Convenient, threaded tripod socket accommodates area sampling

Advanced Features

+ Smart Battery Management System provides precise run time information, maximizes battery capacity and speeds charging Integrated pump allows use of size-selective aerosol inlet conditioners + Built-in impactors let you choose "none," 1.0, 2.5 or 10-micron cut off + 10-mm Dorr-Oliver cyclone for respirable sampling + Display shows real-time concentrations (mg/m³) and "on-the-fly" TWA as you data log + Display statistics: max, min and average readings, elapsed time and 8-hour TWA

Quick and Easy Reports

+ Convenient preprogramming for occupational exposure sampling + Data log for long periods and store multiple tests + Analyze data, print graphs and create reports with TrakPro Data Analysis Software + USB port lets you conveniently connect to your computer

Power to Spare

+ Long-lasting NiMH rechargeable battery packs eliminate "memory" issues + Choice of rechargeable NiMH smart battery packs or AA-cell pack

Model AM510 SidePak Personal Aerosol Monitor

Sensitivity Sensor Type
Aerosol Concentration

Particle Size Range

Zero stability

0.001 to 20 mg/m³ Range (calibrated to respirable fraction of ISO 12103-1, A1 test dust) 0.1 to 10 micrometer (µm) Minimum Resolution 0.001 mg/m³ ±0.001 mg/m³ over 24 hours using 10-second time-constant Temperature Coefficient Approximately +0.0005 mg/m³ per °C (for variations from temperature at which instrument was last zeroed)

90° light scattering,

670 nm laser diode

Flow Rate Range

User-adjustable, 0.7 to 1.8 liters/min (L/min)

Temperature Range Operating Range 32 to 120°F (0 to 50°C) Storage Range -4 to 140°F (-20 to 60°C)

Operational Humidity 0 to 95% RH, non-condensing

Time Constant (LCD display) Jser-adjustable, 1 to 60 seconds Range

Data Logging Approx. 31,000 Data Points Logging Interval User-adjustable, 1 second to 1 hour

User-Select Calibration Factors

Factory Setting 1.0 (non-adjustable) User-defined Settings 3, with user-defined labels 0.1 to 10.0, user-adjustable

Physical External Dimensions

Range

4.2 x 3.7 x 2.8 in. (106 x 92 x 70 mm) with 801723, 801724, 801729 or 801743 battery 5.1 x 3.7 x 2.8 in. (130 x 92 x 70 mm) with 801708, 801722, 801728, 801735, or 801736 battery 16 oz (0.46 kg) with 801723, 801724, Weight 801729 or 801743 battery 19 oz (0.54 kg) with 801708, 01722, 801728, 801735, or 801736 battery Display Tripod Socket 2 line x 12 character LCD 1/4-20 female thread

Power Supply/Charger (P/N 2613210) Input Voltage Range 100 to 240 VAC. 50 to 60 Hz

Input Voltage Range Output Voltage 9 VDC @ 1.0 A

Maintenance Factory Clean/Calibrate User Zero Calibration

Recommended annually Before each use User Flow Calibration As needed

Communications Interface

USB 1.1 Type Connector, Instrument USB Mini-B (socket)

Minimum Computer Requirements for TrakPro™ Data Analysis Software

Communications Port Universal Serial Bus (USB) v 1.1 or higher Microsoft Windows® XP, or 7 Operating System (32-bit or 64-bit) operating systems

Battery Performance

Battery Options	Charge Time (hrs)*	Intrinsic Safety Rating	Run Time (hrs @ 1.7 L/min)
1600 mAH NiMH Pack, 4.8 V (P/N 801723)	3.0	No	7.1
1650 mAH NiMH Pack, 4.8V (P/N 801724, 801729 or 801743)	3.5	CSA**	7.5
2700 mAH NiMH Pack, 4.8 V (P/N 801722 or 801728)	5.5	No	12.0
2700 mAH NiMH Pack, 4.8 V (P/N 801735)	5.5	No	12.0
5-Cell AA-size Alkaline Pack*** (P/N 801708 or 801736 with six user-supplied AA cells)	N/A	No	22.5

*Of a fully depleted battery **All dust plugs and dust gaskets must be installed. ***Using Energizer AA-size, E91 alkaline batteries.

Battery Level Indicator

The Smart Battery Management System™ technology utilizes a built-in "gauge" in the SidePak™ battery packs. The gauge monitors battery capacity and calculates run time information by dividing capacity of the battery (mAH) by the instantaneous current consumed by the instrument (mA). This calculation is correct for current operating conditions and can change due to current (mA) consumption or changes in battery capacity.



Personal Aerosol Monitor Performance check with High Volume Sampler

Preformance Check ref. No	AS0220602-1	Report Issue Date	02/06/2023	
Date of performance check	02/06/2023			

Objective:

A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

Equipment Used:

Equipment	Manufacturer and Model	Serial Number
Personal Aerosol Monitor	TSI AM510 Sidepak	11208032
Total Suspended Particulate High Volume Air Sampler	GS2310	10346

Resust:

Equipment	Measurement Result, µg/m ³			
TSI AM510 Sidepak	60	142	213	343
High Volume Air Sampler (HVS)	43	112	167	282





Calibration Certificate of Dust Meter (TSI Sidepak AM510)

Personal Aerosol Monitor Performance check with High Volume Sampler

 Preformance Check ref. Nc
 AS0230602-5
 Report Issue Date
 02/06/2023

 Date of performance check
 02/06/2023

Objective:

A dust meter and a Total Suspended Particulate High Volume Air Sampler (HVS) were placed together to measure the Total Suspended Particulate (TSP) concentrations simultaneously to check the performance.

Equipment Used:

Equipment	Manufacturer and Model	Serial Number
Personal Aerosol Monitor	TSI AM510 Sidepak	11411017
Total Suspended Particulate High Volume Air Sampler	GS2310	10346

<u>Resuslt:</u>

Equipment	Measurement Result, µg/m ³			
TSI AM510 Sidepak	61	137	197	311
High Volume Air Sampler (HVS)	43	112	167	282



Catalogue of Weather Station 7 Cabled Vantage Pro2™ 6152C Vantage Pro2 & Vantage Pro2 Plus™ Stations 6162C Ultra Violet (UV) Radiation Index (requires UV sensor) Vantage Pro2[™] Range 0 to 16 Index High)) The Vantage Pro2[™] (# 6152C) and Vantage Pro2[™] Plus (# 6162C) cabled weather stations include two components: the Integrated Sensor Suite (ISS) and the console. The ISS contains the sensor interface module (SIM), rain collector, an anemometer, and a passive radiation shield. The Vantage Pro2 console provides the user interface, data display, and calculations. The Vantage Pro2 Plus weather station includes two additional sensors that are optional on the Current Graph Data...... Instant Reading and Hourly Average: Daily, Monthly High Vantage Pro2 and purchased separately: the UV Sensor and the Solar Radiation Sensor. The console and ISS are powered by an AC-power adapter connected to the console. Batteries can be installed in the console to provide a backup power supply. Use WeatherLink[®] to let your weather station interface with a computer, log data, and upload weather information to the Internet. The 6152C and 6162C models rely on passive shielding to reduce solar-radiation induced temperature errors in the outside temperature sensor readings. Wind Wind Chill (Calculated) Integrated Sensor Suite (ISS) the nearest 1°C console and ISS Source..... United States National Weather Service (NWS)/NOAA Equation Used Osczevski (1995) (adopted by US NWS in 2001) Cable Type 4-conductor, 26 AWG Variables Used Avg. Wind Speed Current Display Data Instant Calculation Maximum displayable wind decreases as the length of cable increases, at 140° (42 m) of cable, the maximum wind speed displayed is 135 mph (60 Current Graph Data Instant Calculation; Hourly, Daily and Monthly Low m/s); at 240' (73 m), the maximum wind speed displayed is 100 mph (34 m/s). Historical Graph Data. Hourly, Daily and Monthly Lows Wind Speed Sensor Solid state magnetic sensor Alarm..... Low Threshold from Instant Calculation Wind Direction Sensor Wind vane with potentiometer Wind Direction Range 1 - 360° (214 cm²) collection area Temperature Sensor Type..... PN Junction Silicon Diode Relative Humidity Sensor Type Film capacitor element Accuracy ±3° Update Interval 2.5 to 3 seconds Sensor Inputs Current Graph Data Instant Reading (user adjustable); 10-min. Dominant; Hourly, Daily, RF Filtering RC low-pass filter on each signal line Monthly Dominant ISS Dimensions(not including anemometer or bird spikes); Monthly Dominants Wind Speed Vantage Pro2 with Fan-Asprated Rad Shield..... 20.8" x 9.4" x 16.0" (528 mm x 239 mm x 406 mm) other units are converted from mph and rounded to nearest 1 km/hr. 0.1 Vantage Pro2 Plus with Standard Rad Shield 14.3" x 9.7" x 14.5" (363 mm x 246 mm x 368 mm) m/s or 1 knot Vantage Pro2 Plus with Fan-Aspirated Rad Shield 21.1" x 9.7" x 16.0" (536 mm x 246 mm x 406 mm) Update Interval Instant Reading: 2.5 to 3 seconds, 10-minute Average: 1 minute length of cable from anemometer to ISS increases.) Current Display Data Instant Current Graph Data Instant Reading; 10-minute and Hourly Average; Hourly High; Daily, Davis Instruments 3465 Diablo Ave., Hayward, CA 94545-2778 USA (510) 732-9229 - FAX (510) 670-0589 - sales@davisinstruments.com - www.davisinstruments.com Monthly and Yearly High with Direction of High DS6152C, 6162C Rev. W 12/7/18 Highs with Direction of Highs High Thresholds from Instant Reading and 10-minute Average Alarms

Calibration Certificate of Weather Station
CALIBRATION CALIB
Calibration Certificate No.: CC0122402 Customer Information Customer: Castco Testing Centre Limited Address: 33, On Kui Street, Fanling, N.T.
Equipment Identification Manufacturer Model No. Serial No. Assigned equipment No.: Equipment Description Manufacturer Vantage PRO 2 BD190307008 AAST-WS-O-1 Weather Station Davis Vantage PRO 2 BD190307008 AAST-WS-O-1 Date of Receipt: 6 February 2024 Calibration Condition: 21.5°C, 55%RH, 1012hPa Date of Calibration: 16 February 2024 Adjustment: N/A
Bit State of Calibration: N/A Appearance: Good Calibration Procedure: JJF 1183-2007, JJF 1076-2001, SOP-116 Remark: N/A Reference Equipment Identification Model Serial No. Expiration Date Platinum resistance thermometer KPPRHT-A-1 KCI 1-1095, KCI P-1095 9 November 2024 Humidity sensor KPPRHT-A-1 KCI 1-1095, KCI P-1095 9 November 2024
Hot Wire Anemometer 9535 T95351316004 11 August 2024
SAL SAL SAL SAL SAL SAL SAL SAL
SALISAL SAL SAL SAL SAL SAL SAL
Note1: The estimated expanded uncertainties have been calculated in "Svaluation and expression of uncertainty in measurement" and give an internal estimated to have a level of confidence of \$5%. A coverage factor of 2 is assumed unless explicitly dated. Note2: The standard (1) and instrument used in the calibration are traceable to national or international recognized standard and are calibrated on a schedule to maintain the accurate and good condition. Note3: The result reported in this certificate refer to the candition of the instrument on the date of calibration and carry no implication regarding the long term stability of the instrument. Note4: The result shows in this calibration certificate relate only to the item calibrated, and the result only applies to the calibration term are screaked.
Approved By: When Yen Y Warren Yeung Certificate Issue Date: 16 February 2024
1. The certificate shall not be reproduced except in full, without written approval of Cal Lab Limited CC0122402 2. The certificate is issued subject to the latest Terms and Conditions, available at our web site Page 1 of 2

Appendix G – Weather information

General Information

Date	Absolute Daily Min Temperature (°C)	Absolute Daily Max Temperature (°C)	Total Rainfall (mm)
01/05/2024	22.4	24.5	52.9
02/05/2024	23.7	25.6	1.1
03/05/2024	23.7	24.8	Trace
04/05/2024	22.4	25.4	75.1
05/05/2024	22.8	28.3	5.3
06/05/2024	24.6	31.9	0
07/05/2024	25.6	31	0
08/05/2024	25.1	30.3	Trace
09/05/2024	25	28.5	0
10/05/2024	24.2	26.9	Trace
11/05/2024	24.8	30	Trace
12/05/2024	25.3	30.7	3.1
13/05/2024	23.7	30.3	0.7
14/05/2024	23.1	29.2	0
15/05/2024	23.6	30.5	0
16/05/2024	24.6	29.2	0
17/05/2024	23.9	28.5	Trace
18/05/2024	25.1	28.6	Trace
19/05/2024	24.1	26.3	17.5
20/05/2024	23.9	25.4	30.7
21/05/2024	24.1	26.2	45.3
22/05/2024	25.2	27	Trace
23/05/2024	25	28.2	2.5
24/05/2024	24.6	26.4	17.6
25/05/2024	24.8	27.7	7.8
26/05/2024	25.7	30.2	0.3
27/05/2024	27.3	29.9	6.7
28/05/2024	26	32	8.9
29/05/2024	24.6	28.8	0
30/05/2024	24.6	26.2	3.7
31/05/2024	25.8	29.8	13.4

NOTE1: The above weather information was obtained from manned weather station of Hong Kong Observatory. NOTE2: race means rainfall less than 0.05 mm

https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2024&m=5

Date	Time	Wind Speed (m/s)	Wind Direction												
01/05/2024	0:00	2.2	112.5	02/05/2024	0:00	1.8	112.5	03/05/2024	0:00	0.4	67.5	04/05/2024	0:00	1.8	247.5
01/05/2024	1:00	2.7	337.5	02/05/2024	1:00	0.9	135	03/05/2024	1:00	0.9	112.5	04/05/2024	1:00	2.2	90
01/05/2024	2:00	2.7	67.5	02/05/2024	2:00	2.2	270	03/05/2024	2:00	0.4	270	04/05/2024	2:00	1.8	135
01/05/2024	3:00	3.1	67.5	02/05/2024	3:00	2.7	247.5	03/05/2024	3:00	0.9	45	04/05/2024	3:00	1.8	67.5
01/05/2024	4:00	3.1	90	02/05/2024	4:00	1.8	270	03/05/2024	4:00	0.4	67.5	04/05/2024	4:00	2.2	90
01/05/2024	5:00	3.6	67.5	02/05/2024	5:00	0.9	225	03/05/2024	5:00	0.4	247.5	04/05/2024	5:00	1.8	135
01/05/2024	6:00	1.3	67.5	02/05/2024	6:00	0.9	67.5	03/05/2024	6:00	0.4	225	04/05/2024	6:00	1.3	135
01/05/2024	7:00	1.3	90	02/05/2024	7:00	0.9	22.5	03/05/2024	7:00	0.4	270	04/05/2024	7:00	1.8	90
01/05/2024	8:00	2.2	90	02/05/2024	8:00	1.3	157.5	03/05/2024	8:00	0.4	225	04/05/2024	8:00	0.9	112.5
01/05/2024	9:00	2.2	112.5	02/05/2024	9:00	0.9	135	03/05/2024	9:00	0.9	45	04/05/2024	9:00	1.8	337.5
01/05/2024	10:00	2.2	90	02/05/2024	10:00	1.3	67.5	03/05/2024	10:00	0.9	67.5	04/05/2024	10:00	1.3	112.5
01/05/2024	11:00	1.8	270	02/05/2024	11:00	1.3	247.5	03/05/2024	11:00	0.9	270	04/05/2024	11:00	1.3	90
01/05/2024	12:00	2.7	270	02/05/2024	12:00	1.3	225	03/05/2024	12:00	0.4	247.5	04/05/2024	12:00	1.3	112.5
01/05/2024	13:00	2.2	270	02/05/2024	13:00	1.3	45	03/05/2024	13:00	0.9	90	04/05/2024	13:00	0.9	112.5
01/05/2024	14:00	2.7	90	02/05/2024	14:00	1.3	45	03/05/2024	14:00	0.9	90	04/05/2024	14:00	1.3	112.5
01/05/2024	15:00	2.2	90	02/05/2024	15:00	1.8	45	03/05/2024	15:00	0.9	292.5	04/05/2024	15:00	2.7	112.5
01/05/2024	16:00	2.2	90	02/05/2024	16:00	1.3	45	03/05/2024	16:00	1.3	270	04/05/2024	16:00	2.2	112.5
01/05/2024	17:00	2.2	90	02/05/2024	17:00	1.8	67.5	03/05/2024	17:00	0.9	247.5	04/05/2024	17:00	2.7	337.5
01/05/2024	18:00	1.3	45	02/05/2024	18:00	0.9	22.5	03/05/2024	18:00	0.9	247.5	04/05/2024	18:00	2.7	67.5
01/05/2024	19:00	1.3	90	02/05/2024	19:00	1.3	67.5	03/05/2024	19:00	0.9	45	04/05/2024	19:00	3.1	67.5
01/05/2024	20:00	1.3	112.5	02/05/2024	20:00	0.9	112.5	03/05/2024	20:00	0.9	45	04/05/2024	20:00	3.1	90
01/05/2024	21:00	3.1	112.5	02/05/2024	21:00	1.3	135	03/05/2024	21:00	0.9	22.5	04/05/2024	21:00	2.2	67.5
01/05/2024	22:00	3.6	112.5	02/05/2024	22:00	0.9	90	03/05/2024	22:00	0.9	22.5	04/05/2024	22:00	1.3	67.5
01/05/2024	23:00	3.6	22.5	02/05/2024	23:00	0.9	112.5	03/05/2024	23:00	0.9	135	04/05/2024	23:00	1.3	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
05/05/2024	0:00	0.4	112.5	06/05/2024	0:00	0.4	112.5	07/05/2024	0:00	0.9	90	08/05/2024	0:00	0.4	90
05/05/2024	1:00	1.3	45	06/05/2024	1:00	0.9	112.5	07/05/2024	1:00	0.4	90	08/05/2024	1:00	0.4	112.5
05/05/2024	2:00	1.3	247.5	06/05/2024	2:00	0.9	135	07/05/2024	2:00	0.4	90	08/05/2024	2:00	0.4	90
05/05/2024	3:00	1.3	22.5	06/05/2024	3:00	1.3	112.5	07/05/2024	3:00	0.9	90	08/05/2024	3:00	0.9	90
05/05/2024	4:00	0.9	225	06/05/2024	4:00	1.3	157.5	07/05/2024	4:00	0.9	90	08/05/2024	4:00	0.9	67.5
05/05/2024	5:00	0.9	67.5	06/05/2024	5:00	0.9	112.5	07/05/2024	5:00	0.4	135	08/05/2024	5:00	0.4	112.5
05/05/2024	6:00	0.9	22.5	06/05/2024	6:00	0.9	90	07/05/2024	6:00	0.4	112.5	08/05/2024	6:00	0.4	135
05/05/2024	7:00	1.3	157.5	06/05/2024	7:00	0.4	247.5	07/05/2024	7:00	0.4	112.5	08/05/2024	7:00	0.4	112.5
05/05/2024	8:00	0.9	135	06/05/2024	8:00	0.4	247.5	07/05/2024	8:00	0.9	90	08/05/2024	8:00	0.4	112.5
05/05/2024	9:00	1.3	67.5	06/05/2024	9:00	0.9	247.5	07/05/2024	9:00	0.4	90	08/05/2024	9:00	0.9	90
05/05/2024	10:00	1.3	247.5	06/05/2024	10:00	0.9	270	07/05/2024	10:00	0.4	112.5	08/05/2024	10:00	0.4	90
05/05/2024	11:00	1.3	225	06/05/2024	11:00	0.4	112.5	07/05/2024	11:00	0.4	112.5	08/05/2024	11:00	0.4	112.5
05/05/2024	12:00	1.3	45	06/05/2024	12:00	0.4	135	07/05/2024	12:00	0.9	112.5	08/05/2024	12:00	0.4	112.5
05/05/2024	13:00	1.3	45	06/05/2024	13:00	0.9	135	07/05/2024	13:00	0.9	112.5	08/05/2024	13:00	0.9	112.5
05/05/2024	14:00	1.8	45	06/05/2024	14:00	0.4	135	07/05/2024	14:00	0.9	67.5	08/05/2024	14:00	0.9	112.5
05/05/2024	15:00	0.9	112.5	06/05/2024	15:00	0.4	112.5	07/05/2024	15:00	1.3	67.5	08/05/2024	15:00	0.9	67.5
05/05/2024	16:00	0.4	112.5	06/05/2024	16:00	0.4	112.5	07/05/2024	16:00	1.3	90	08/05/2024	16:00	1.3	67.5
05/05/2024	17:00	0.9	112.5	06/05/2024	17:00	0.9	112.5	07/05/2024	17:00	0.9	112.5	08/05/2024	17:00	0.4	90
05/05/2024	18:00	0.9	135	06/05/2024	18:00	0.4	112.5	07/05/2024	18:00	1.3	90	08/05/2024	18:00	0.9	112.5
05/05/2024	19:00	1.3	112.5	06/05/2024	19:00	0.4	112.5	07/05/2024	19:00	0.9	67.5	08/05/2024	19:00	1.3	90
05/05/2024	20:00	1.3	157.5	06/05/2024	20:00	0.4	135	07/05/2024	20:00	0.9	67.5	08/05/2024	20:00	0.9	67.5
05/05/2024	21:00	0.9	112.5	06/05/2024	21:00	0.9	135	07/05/2024	21:00	1.3	67.5	08/05/2024	21:00	0.9	67.5
05/05/2024	22:00	0.9	90	06/05/2024	22:00	0.9	112.5	07/05/2024	22:00	0.4	45	08/05/2024	22:00	0.4	67.5
05/05/2024	23:00	0.9	112.5	06/05/2024	23:00	0.9	112.5	07/05/2024	23:00	0.9	135	08/05/2024	23:00	0.4	45

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
09/05/2024	0:00	0.9	67.5	10/05/2024	0:00	1.3	225	11/05/2024	0:00	0.9	135	12/05/2024	0:00	0.9	135
09/05/2024	1:00	0.9	67.5	10/05/2024	1:00	1.3	202.5	11/05/2024	1:00	0.4	225	12/05/2024	1:00	0.9	135
09/05/2024	2:00	0.9	45	10/05/2024	2:00	0.9	135	11/05/2024	2:00	0.4	247.5	12/05/2024	2:00	0.9	225
09/05/2024	3:00	0.9	90	10/05/2024	3:00	1.8	112.5	11/05/2024	3:00	0.4	247.5	12/05/2024	3:00	0.4	247.5
09/05/2024	4:00	1.3	90	10/05/2024	4:00	0.4	67.5	11/05/2024	4:00	0.9	270	12/05/2024	4:00	0.4	247.5
09/05/2024	5:00	0.4	135	10/05/2024	5:00	0.4	270	11/05/2024	5:00	1.3	135	12/05/2024	5:00	0.9	270
09/05/2024	6:00	0.4	112.5	10/05/2024	6:00	0	180	11/05/2024	6:00	1.8	67.5	12/05/2024	6:00	1.3	22.5
09/05/2024	7:00	0.4	112.5	10/05/2024	7:00	0.4	270	11/05/2024	7:00	0.9	157.5	12/05/2024	7:00	1.3	90
09/05/2024	8:00	0.9	90	10/05/2224	8:00	0.4	157.5	11/05/2024	8:00	0.4	90	12/05/2024	8:00	0.9	112.5
09/05/2024	9:00	0.4	90	10/05/2024	9:00	0.4	202.5	11/05/2024	9:00	0.4	22.5	12/05/2024	9:00	0.9	112.5
09/05/2024	10:00	0.4	112.5	10/05/2024	10:00	0.9	270	11/05/2024	10:00	1.3	90	12/05/2024	10:00	10.8	135
09/05/2024	11:00	0.4	112.5	10/05/2024	11:00	0.4	135	11/05/2024	11:00	0.9	112.5	12/05/2024	11:00	0.9	90
09/05/2024	12:00	0.9	112.5	10/05/2024	12:00	0.9	67.5	11/05/2024	12:00	0.9	112.5	12/05/2024	12:00	0.9	112.5
09/05/2024	13:00	0.9	112.5	10/05/2024	13:00	1.3	112.5	11/05/2024	13:00	0.9	135	12/05/2024	13:00	1.8	112.5
09/05/2024	14:00	0.9	67.5	10/05/2024	14:00	0.9	112.5	11/05/2024	14:00	0.9	90	12/05/2024	14:00	1.3	112.5
09/05/2024	15:00	1.3	67.5	10/05/2024	15:00	0.9	135	11/05/2024	15:00	0.9	112.5	12/05/2024	15:00	0.9	90
09/05/2024	16:00	1.3	90	10/05/2024	16:00	0.9	135	11/05/2024	16:00	1.8	112.5	12/05/2024	16:00	1.3	0
09/05/2024	17:00	0.9	112.5	10/05/2024	17:00	0.4	112.5	11/05/2024	17:00	1.3	112.5	12/05/2024	17:00	1.3	90
09/05/2024	18:00	1.3	90	10/05/2024	18:00	0.4	112.5	11/05/2024	18:00	0.9	90	12/05/2024	18:00	1.3	90
09/05/2024	19:00	0.9	67.5	10/05/2024	19:00	0.9	112.5	11/05/2024	19:00	1.8	90	12/05/2024	19:00	1.3	90
09/05/2024	20:00	0.9	67.5	10/05/2024	20:00	0.9	112.5	11/05/2024	20:00	1.3	90	12/05/2024	20:00	0.9	315
09/05/2024	21:00	1.3	67.5	10/05/2024	21:00	0.4	112.5	11/05/2024	21:00	1.8	67.5	12/05/2024	21:00	0.4	112.5
09/05/2024	22:00	0.4	45	10/05/2024	22:00	0.9	112.5	11/05/2024	22:00	0.9	112.5	12/05/2024	22:00	0.4	112.5
09/05/2024	23:00	0.9	135	10/05/2024	23:00	0.4	112.5	11/05/2024	23:00	1.8	22.5	12/05/2024	23:00	0.9	45

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
13/05/2024	0:00	0.9	135	14/05/2024	0:00	0.4	135	15/05/2024	0:00	0.9	270	16/05/2024	0:00	0.4	202.5
13/05/2024	1:00	0.4	225	14/05/2024	1:00	0.4	112.5	15/05/2024	1:00	1.3	112.5	16/05/2024	1:00	0.4	67.5
13/05/2024	2:00	0.4	247.5	14/05/2024	2:00	0.4	112.5	15/05/2024	2:00	1.8	112.5	16/05/2024	2:00	0.4	90
13/05/2024	3:00	0.4	247.5	14/05/2024	3:00	0.9	90	15/05/2024	3:00	0.9	112.5	16/05/2024	3:00	0.4	135
13/05/2024	4:00	0.9	270	14/05/2024	4:00	0.4	90	15/05/2024	4:00	0.4	135	16/05/2024	4:00	0.9	112.5
13/05/2024	5:00	0.4	112.5	14/05/2024	5:00	0.4	112.5	15/05/2024	5:00	0.4	112.5	16/05/2024	5:00	0.4	135
13/05/2024	6:00	0.4	135	14/05/2024	6:00	0.4	112.5	15/05/2024	6:00	0.4	112.5	16/05/2024	6:00	0.4	112.5
13/05/2024	7:00	0.4	112.5	14/05/2024	7:00	0.9	112.5	15/05/2024	7:00	0.9	90	16/05/2024	7:00	0.4	112.5
13/05/2024	8:00	0.4	112.5	14/05/2024	8:00	0.9	112.5	15/05/2024	8:00	0.4	90	16/05/2024	8:00	0.9	90
13/05/2024	9:00	0.9	90	14/05/2024	9:00	0.9	67.5	15/05/2024	9:00	0.4	112.5	16/05/2024	9:00	0.4	90
13/05/2024	10:00	0.4	90	14/05/2024	10:00	1.3	67.5	15/05/2024	10:00	0.4	112.5	16/05/2024	10:00	0.4	112.5
13/05/2024	11:00	0.4	112.5	14/05/2024	11:00	1.3	90	15/05/2024	11:00	0.9	112.5	16/05/2024	11:00	0.4	112.5
13/05/2024	12:00	0.4	112.5	14/05/2024	12:00	0.9	112.5	15/05/2025	12:00	0.9	112.5	16/05/2024	12:00	0.9	112.5
13/05/2024	13:00	0.9	112.5	14/05/2024	13:00	1.3	90	15/05/2024	13:00	0.4	135	16/05/2024	13:00	0.9	112.5
13/05/2024	14:00	0.9	112.5	14/05/2024	14:00	0.9	67.5	15/05/2024	14:00	0.4	112.5	16/05/2024	14:00	0.9	67.5
13/05/2024	15:00	0.9	67.5	14/05/2024	15:00	0.9	67.5	15/05/2024	15:00	0.4	112.5	16/05/2024	15:00	1.3	67.5
13/05/2024	16:00	1.3	67.5	14/05/2024	16:00	1.3	67.5	15/05/2024	16:00	0.9	90	16/05/2024	16:00	1.3	90
13/05/2024	17:00	1.3	90	14/05/2024	17:00	0.4	45	15/05/2024	17:00	0.4	90	16/05/2024	17:00	0.9	112.5
13/05/2024	18:00	0.9	112.5	14/05/2024	18:00	0.9	135	15/05/2024	18:00	0.4	112.5	16/05/2024	18:00	1.3	90
13/05/2024	19:00	1.3	90	14/05/2024	19:00	0.9	135	15/05/2024	19:00	0.4	112.5	16/05/2024	19:00	0.9	67.5
13/05/2024	20:00	0.9	67.5	14/05/2024	20:00	0.4	225	15/05/2024	20:00	0.9	112.5	16/05/2024	20:00	0.9	67.5
13/05/2024	21:00	0.9	67.5	14/05/2024	21:00	0.4	247.5	15/05/2024	21:00	0.9	112.5	16/05/2024	21:00	1.3	67.5
13/05/2024	22:00	1.3	67.5	14/05/2024	22:00	0.4	247.5	15/05/2024	22:00	0.9	67.5	16/05/2024	22:00	0.4	45
13/05/2024	23:00	0.4	45	14/05/2024	23:00	0.9	270	15/05/2024	23:00	1.3	67.5	16/05/2024	23:00	0.9	135

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
17/05/2024	0:00	0.9	135	18/05/2024	0:00	1.8	135	19/05/2024	0:00	1.3	90	20/05/2024	0:00	1.8	135
17/05/2024	1:00	0.9	135	18/05/2024	1:00	1.8	112.5	19/05/2024	1:00	0.9	112.5	20/05/2024	1:00	1.8	225
17/05/2024	2:00	0.4	225	18/05/2024	2:00	2.2	112.5	19/05/2024	2:00	1.3	90	20/05/2024	2:00	2.2	247.5
17/05/2024	3:00	0.4	247.5	18/05/2024	3:00	1.8	90	19/05/2024	3:00	0.9	67.5	20/05/2024	3:00	2.7	247.5
17/05/2024	4:00	0.4	247.5	18/05/2024	4:00	1.8	90	19/05/2024	4:00	0.9	67.5	20/05/2024	4:00	1.8	270
17/05/2024	5:00	0.9	270	18/05/2024	5:00	1.8	112.5	19/05/2024	5:00	1.3	67.5	20/05/2024	5:00	1.8	90
17/05/2024	6:00	0.4	45	18/05/2024	6:00	1.8	112.5	19/05/2024	6:00	0.4	45	20/05/2024	6:00	1.8	90
17/05/2024	7:00	0.9	112.5	18/05/2024	7:00	2.2	112.5	19/05/2024	7:00	0.9	135	20/05/2024	7:00	2.2	112.5
17/05/2024	8:00	0.4	135	18/05/2024	8:00	2.2	112.5	19/05/2024	8:00	0.9	135	20/05/2024	8:00	2.2	90
17/05/2024	9:00	0.4	112.5	18/05/2024	9:00	1.8	67.5	19/05/2024	9:00	0.4	225	20/05/2024	9:00	1.8	315
17/05/2024	10:00	0.4	112.5	18/05/2024	10:00	1.8	67.5	19/05/2024	10:00	0.4	247.5	20/05/2024	10:00	1.8	67.5
17/05/2024	11:00	0.9	90	18/05/2024	11:00	2.2	90	19/05/2024	11:00	0.4	247.5	20/05/2024	11:00	2.2	22.5
17/05/2024	12:00	0.4	90	18/05/2024	12:00	1.8	112.5	19/05/2024	12:00	0.9	270	20/05/2024	12:00	1.8	22.5
17/05/2024	13:00	0.4	112.5	18/05/2024	13:00	1.3	90	19/05/2024	13:00	1.8	45	20/05/2024	13:00	1.8	90
17/05/2024	14:00	0.4	112.5	18/05/2024	14:00	1.8	67.5	19/05/2024	14:00	1.3	45	20/05/2024	14:00	1.8	112.5
17/05/2024	15:00	0.9	112.5	18/05/2024	15:00	1.3	67.5	19/05/2024	15:00	1.8	67.5	20/05/2024	15:00	1.3	112.5
17/05/2024	16:00	0.9	112.5	18/05/2024	16:00	1.8	67.5	19/05/2024	16:00	0.9	22.5	20/05/2024	16:00	2.2	112.5
17/05/2024	17:00	0.9	67.5	18/05/2024	17:00	1.8	45	19/05/2024	17:00	0.9	45	20/05/2024	17:00	2.2	45
17/05/2024	18:00	0.4	135	18/05/2024	18:00	1.8	135	19/05/2024	18:00	0.9	67.5	20/05/2024	18:00	1.8	45
17/05/2024	19:00	0.4	112.5	18/05/2024	19:00	1.3	135	19/05/2024	19:00	1.3	67.5	20/05/2024	19:00	1.3	157.5
17/05/2024	20:00	0.4	112.5	18/05/2024	20:00	1.3	225	19/05/2024	20:00	0.9	45	20/05/2024	20:00	1.3	112.5
17/05/2024	21:00	0.9	90	18/05/2024	21:00	0.4	247.5	19/05/2024	21:00	0.9	67.5	20/05/2024	21:00	2.7	180
17/05/2024	22:00	0.4	90	18/05/2024	22:00	0.4	247.5	19/05/2024	22:00	1.3	112.5	20/05/2024	22:00	1.3	112.5
17/05/2024	23:00	0.4	112.5	18/05/2024	23:00	0.9	270	19/05/2024	23:00	0.9	45	20/05/2024	23:00	1.3	90

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
21/05/2024	0:00	1.8	112.5	22/05/2024	0:00	0.9	270	23/05/2024	0:00	1.8	112.5	24/05/2024	0:00	1.3	135
21/05/2024	1:00	1.8	90	22/05/2024	1:00	1.3	225	23/05/2024	1:00	2.2	112.5	24/05/2024	1:00	1.3	112.5
21/05/2024	2:00	2.2	112.5	22/05/2024	2:00	1.3	45	23/05/2024	2:00	1.8	45	24/05/2024	2:00	1.8	135
21/05/2024	3:00	1.8	90	22/05/2024	3:00	1.3	45	23/05/2024	3:00	1.8	337.5	24/05/2024	3:00	1.3	135
21/05/2024	4:00	1.8	90	22/05/2024	4:00	1.3	112.5	23/05/2024	4:00	1.8	112.5	24/05/2024	4:00	0.9	135
21/05/2024	5:00	1.8	112.5	22/05/2024	5:00	1.3	90	23/05/2024	5:00	1.3	112.5	24/05/2024	5:00	1.3	90
21/05/2024	6:00	1.8	90	22/05/2024	6:00	1.3	22.5	23/05/2024	6:00	1.8	135	24/05/2024	6:00	1.8	112.5
21/05/2024	7:00	2.2	112.5	22/05/2024	7:00	0.9	315	23/05/2024	7:00	1.3	135	24/05/2024	7:00	0.9	112.5
21/05/2024	8:00	2.2	90	22/05/2024	8:00	1.3	315	23/05/2024	8:00	1.3	112.5	24/05/2024	8:00	1.3	90
21/05/2024	9:00	1.8	67.5	22/05/2024	9:00	1.3	112.5	23/05/2024	9:00	0.9	90	24/05/2024	9:00	0.4	112.5
21/05/2024	10:00	1.8	135	22/05/2024	10:00	1.3	112.5	23/05/2024	10:00	0.9	112.5	24/05/2024	10:00	1.8	112.5
21/05/2024	11:00	2.2	135	22/05/2024	11:00	0.9	112.5	23/05/2024	11:00	1.3	90	24/05/2024	11:00	1.8	225
21/05/2024	12:00	1.8	90	22/05/2024	12:00	0.4	67.5	23/05/2024	12:00	1.3	112.5	24/05/2024	12:00	1.3	112.5
21/05/2024	13:00	1.8	135	22/05/2024	13:00	1.3	247.5	23/05/2024	13:00	1.3	112.5	24/05/2024	13:00	1.3	135
21/05/2024	14:00	1.8	135	22/05/2024	14:00	1.3	22.5	23/05/2024	14:00	0.9	112.5	24/05/2024	14:00	1.3	112.5
21/05/2024	15:00	2.2	90	22/05/2024	15:00	0.4	90	23/05/2024	15:00	0.9	112.5	24/05/2024	15:00	0.9	90
21/05/2024	16:00	1.8	112.5	22/05/2024	16:00	0.4	45	23/05/2024	16:00	1.3	112.5	24/05/2024	16:00	2.2	22.5
21/05/2024	17:00	1.8	90	22/05/2024	17:00	0.4	247.5	23/05/2024	17:00	1.3	135	24/05/2024	17:00	1.3	270
21/05/2024	18:00	1.8	90	22/05/2024	18:00	0.9	270	23/05/2024	18:00	0.9	112.5	24/05/2024	18:00	1.3	270
21/05/2024	19:00	1.8	90	22/05/2024	19:00	1.3	270	23/05/2024	19:00	0.9	112.5	24/05/2024	19:00	0.4	337.5
21/05/2024	20:00	2.2	67.5	22/05/2024	20:00	1.3	247.5	23/05/2024	20:00	1.3	112.5	24/05/2024	20:00	1.3	270
21/05/2024	21:00	2.2	90	22/05/2024	21:00	1.3	247.5	23/05/2024	21:00	0.9	112.5	24/05/2024	21:00	0.9	247.5
21/05/2024	22:00	1.8	45	22/05/2024	22:00	1.8	270	23/05/2024	22:00	1.3	67.5	24/05/2024	22:00	0.4	225
21/05/2024	23:00	1.8	112.5	22/05/2024	23:00	0.9	112.5	23/05/2024	23:00	1.3	67.5	24/05/2024	23:00	0.4	180

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction												
25/05/2024	0:00	2.2	90	26/05/2024	0:00	1.3	135	27/05/2024	0:00	1.3	67.5	28/05/2024	0:00	1.3	90
25/05/2024	1:00	1.8	90	26/05/2024	1:00	0.9	135	27/05/2024	1:00	1.3	67.5	28/05/2024	1:00	2.2	112.5
25/05/2024	2:00	1.3	112.5	26/05/2024	2:00	0.9	157.5	27/05/2024	2:00	1.8	45	28/05/2024	2:00	1.8	135
25/05/2024	3:00	1.8	22.5	26/05/2024	3:00	1.3	112.5	27/05/2024	3:00	1.3	67.5	28/05/2024	3:00	1.3	90
25/05/2024	4:00	1.3	45	26/05/2024	4:00	0.9	157.5	27/05/2024	4:00	0.4	112.5	28/05/2024	4:00	1.8	112.5
25/05/2024	5:00	1.8	67.5	26/05/2024	5:00	1.3	112.5	27/05/2024	5:00	1.3	112.5	28/05/2024	5:00	1.3	135
25/05/2024	6:00	1.8	90	26/05/2024	6:00	0.9	157.5	27/05/2024	6:00	0.9	112.5	28/05/2024	6:00	1.3	90
25/05/2024	7:00	1.8	67.5	26/05/2024	7:00	1.3	112.5	27/05/2024	7:00	0.9	112.5	28/05/2024	7:00	1.3	90
25/05/2024	8:00	2.7	90	26/05/2024	8:00	0.9	135	27/05/2024	8:00	0.4	67.5	28/05/2024	8:00	1.3	112.5
25/05/2024	9:00	0.9	22.5	26/05/2024	9:00	1.3	112.5	27/05/2024	9:00	0.4	67.5	28/05/2024	9:00	1.3	135
25/05/2024	10:00	0.9	292.5	26/05/2024	10:00	0.9	135	27/05/2024	10:00	0.9	112.5	28/05/2024	10:00	0.9	135
25/05/2024	11:00	1.8	247.5	26/05/2024	11:00	1.8	112.5	27/05/2024	11:00	0.4	112.5	28/05/2024	11:00	0.9	157.5
25/05/2024	12:00	1.3	180	26/05/2024	12:00	1.3	135	27/05/2024	12:00	0.4	67.5	28/05/2024	12:00	1.3	90
25/05/2024	13:00	0.4	112.5	26/05/2024	13:00	0.9	135	27/05/2024	13:00	0.9	45	28/05/2024	13:00	1.3	112.5
25/05/2024	14:00	0.4	67.5	26/05/2024	14:00	1.3	112.5	27/05/2024	14:00	0.9	112.5	28/05/2024	14:00	0.9	112.5
25/05/2024	15:00	0.4	22.5	26/05/2024	15:00	1.8	135	27/05/2024	15:00	1.3	90	28/05/2024	15:00	0.4	112.5
25/05/2024	16:00	0.4	67.5	26/05/2024	16:00	2.2	90	27/05/2024	16:00	0.9	202.5	28/05/2024	16:00	0.4	90
25/05/2024	17:00	0.4	135	26/05/2024	17:00	1.8	90	27/05/2024	17:00	0.4	157.5	28/05/2024	17:00	1.3	90
25/05/2024	18:00	0.4	337.5	26/05/2024	18:00	0.9	315	27/05/2024	18:00	0.4	247.5	28/05/2024	18:00	0.9	135
25/05/2024	19:00	0.9	135	26/05/2024	19:00	1.3	67.5	27/05/2024	19:00	0.4	225	28/05/2024	19:00	0.9	90
25/05/2024	20:00	0.9	112.5	26/05/2024	20:00	1.3	22.5	27/05/2024	20:00	0.4	247.5	28/05/2024	20:00	0.4	135
25/05/2024	21:00	0.4	112.5	26/05/2024	21:00	1.3	135	27/05/2024	21:00	0.4	135	28/05/2024	21:00	0.4	112.5
25/05/2024	22:00	0.9	112.5	26/05/2024	22:00	2.2	90	27/05/2024	22:00	0.4	90	28/05/2024	22:00	0.4	112.5
25/05/2024	23:00	0.4	112.5	26/05/2024	23:00	1.8	112.5	27/05/2024	23:00	0.9	90	28/05/2024	23:00	0.9	112.5

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction	Date	Time	Wind Speed (m/s)	Wind Direction
29/05/2024	0:00	0.9	112.5	30/05/2024	0:00	1.3	112.5	31/05/2024	0:00	0.4	225				
29/05/2024	1:00	0.9	135	30/05/2024	1:00	0.4	22.5	31/05/2024	1:00	0.4	247.5				
29/05/2024	2:00	0.9	112.5	30/05/2024	2:00	0.4	135	31/05/2024	2:00	0.4	315				
29/05/2024	3:00	0.9	135	30/05/2024	3:00	0.9	112.5	31/05/2024	3:00	0.9	270				
29/05/2024	4:00	0.9	112.5	30/05/2024	4:00	0.9	135	31/05/2024	4:00	0.4	270				
29/05/2024	5:00	0.4	135	30/05/2024	5:00	0.4	135	31/05/2024	5:00	1.3	337.5				
29/05/2024	6:00	0.9	135	30/05/2024	6:00	0.9	225	31/05/2024	6:00	0.4	247.5				
29/05/2024	7:00	0.9	157.5	30/05/2024	7:00	1.3	135	31/05/2024	7:00	0.9	22.5				
29/05/2024	8:00	0.9	135	30/05/2024	8:00	0.4	135	31/05/2024	8:00	0.4	337.5				
29/05/2024	9:00	0.9	112.5	30/05/2024	9:00	0.4	112.5	31/05/2024	9:00	0.4	315				
29/05/2024	10:00	0.9	135	30/05/2024	10:00	0.4	135	31/05/2024	10:00	0.9	22.5				
29/05/2024	11:00	0.9	135	30/05/2024	11:00	0.4	247.5	31/05/2024	11:00	0.9	315				
29/05/2024	12:00	0.9	112.5	30/05/2024	12:00	0.4	315	31/05/2024	12:00	1.3	225				
29/05/2024	13:00	0.9	135	30/05/2024	13:00	0.9	270	31/05/2024	13:00	1.3	247.5				
29/05/2024	14:00	0.9	135	30/05/2024	14:00	0.4	270	31/05/2024	14:00	0.4	22.5				
29/05/2024	15:00	1.3	112.5	30/05/2024	15:00	1.3	337.5	31/05/2024	15:00	0.4	22.5				
29/05/2024	16:00	1.8	112.5	30/05/2024	16:00	0.4	247.5	31/05/2024	16:00	0.4	292.5				
29/05/2024	17:00	1.3	112.5	30/05/2024	17:00	0.9	22.5	31/05/2024	17:00	0.4	22.5				
29/05/2024	18:00	1.3	112.5	30/05/2024	18:00	0.4	337.5	31/05/2024	18:00	0.4	112.5				
29/05/2024	19:00	0.9	112.5	30/05/2024	19:00	0.4	315	31/05/2024	19:00	0.4	112.5				
29/05/2024	20:00	0.9	112.5	30/05/2024	20:00	0.9	22.5	31/05/2024	20:00	0.4	112.5				
29/05/2024	21:00	0.4	247.5	30/05/2024	21:00	0.9	315	31/05/2024	21:00	0.4	180				
29/05/2024	22:00	0.9	90	30/05/2024	22:00	1.3	225	31/05/2024	22:00	0.4	112.5				
29/05/2024	23:00	0.4	135	30/05/2024	23:00	1.3	247.5	31/05/2024	23:00	0.4	270				

Mean Wind Speed and Wind Direction recorded by the weather station setup at the rooftop of Hong Kong Children's Hospital

Appendix H – 24-hr TSP monitoring results and graphical presentation

Location: AM3 – Sky Tower

Start Date	Weather	Air Temp.	Atmospheric Pressure	Filter w	eight (g)	Particulate	Elapse	e Time	Sampling Time	Flow (cf	Rate m)	Av. Flow	Total vol.	Conc.
		(°C)	(hPa)	Initial	Final	weight (g)	Initial	Final	(min)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ³)
02/05/2024	Cloudy	25.5	1011.7	14.6222	14.7013	0.0791	2024/5/2 9:27	2024/5/3 9:27	1440.0	48	48	1.33	1908	41
08/05/2024	Sunny	24.7	1014.1	14.6832	14.7495	0.0663	2024/5/8 9:28	2024/5/9 9:28	1440.0	48	48	1.33	1913	35
14/05/2024	Sunny	27.4	1013.7	18.2978	18.3951	0.0973	2024/5/14 13:38	2024/5/15 13:38	1440.0	46	46	1.27	1823	53
20/05/2024	Cloudy	25.5	1006.8	18.4161	18.4921	0.076	2024/5/20 13:21	2024/5/21 13:21	1440.0	46	46	1.27	1823	42
25/05/2024	Cloudy	28.7	1010.1	18.2312	18.3369	0.1057	2024/5/25 13:27	2024/5/26 13:27	1440.0	46	46	1.26	1816	58
31/05/2024	Cloudy	28.3	1006.5	18.3362	18.5767	0.2405	2024/5/31 9:28	2024/6/1 9:28	1440.0	50	50	1.37	1975	122
												Maxim	um	122
												Minim	um	35
												Avera	ıge	59
												Action I	Level	182

Location: AM4(A) - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A) ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.

Limit Level

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Start Date	Weather	Air Temp.	Atmospheric Pressure	Filter we	eight (g)	Particulate	Elapse	e Time	Sampling Time	Flow (cf	Rate m)	Av. Flow	Total vol.	Conc. $(u \alpha/m^3)$
		(°C)	(hPa)	Initial	Final	weight (g)	Initial	Final	(min)	Initial	Final	(m ³ /min)	(m ³)	(µg/m ²)
02/05/2024	Cloudy	25.5	1011.7	15.2367	15.2953	0.0586	2024/5/2 13:37	2024/5/3 13:37	1440.0	46	46	1.29	1855	32
08/05/2024	Sunny	24.7	1014.1	14.6425	14.7487	0.1062	2024/5/8 13:31	2024/5/9 13:31	1440.0	46	46	1.29	1860	57
14/05/2024	Sunny	27.4	1013.7	14.6322	14.6921	0.0599	2024/5/14 9:29	2024/5/15 9:29	1440.0	46	46	1.29	1851	32
20/05/2024	Cloudy	25.5	1006.8	18.2675	18.3765	0.109	2024/5/20 13:41	2024/5/21 13:41	1440.0	50	50	1.40	2013	54
25/05/2024	Cloudy	28.7	1010.1	14.6421	14.7806	0.1385	2024/5/25 9:36	2024/5/26 9:36	1440.0	50	50	1.39	2005	69
31/05/2024	Cloudy	28.3	1006.5	14.3767	14.6162	0.2395	2024/5/31 10:40	2024/6/1 10:40	1440.0	50	50	1.39	2003	120
												Maxim	um	120
												Minim	um	32
												Avera	ge	61

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Action Level Limit Level

Location: AM7 – Hong Kong Children's Hospital

24-hour average TSP



Note: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. No 24-TSP monitoring was conducted at AM4(A). ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.



Appendix I – 1-hr TSP monitoring results and graphical presentation

Date	Measure	me	nt Period	1-hr TSP concentration, g/m ³	Weather
	9:00	-	10:00	32	
02/05/2024	10:00	-	11:00	34	Cloudy
	11:00	-	12:00	34	
	9:00	-	10:00	35	
08/05/2024	10:00	-	11:00	38	Sunny
	11:00	-	12:00	36	
	13:00	-	14:00	42	
14/05/2024	14:00	-	15:00	45	Sunny
	15:00	-	16:00	43	
	13:00	-	14:00	44	
20/05/2024	14:00	-	15:00	48	Cloudy
	15:00	-	16:00	48	
	13:00	-	14:00	55	
25/05/2024	14:00	-	15:00	59	Cloudy
	15:00	-	16:00	63	
	9:00	-	10:00	64	
31/05/2024	10:00	-	11:00	70	Cloudy
	11:00	-	12:00	73	
Ν	/laximum	L		73	
Ν	Minimum			32	
	Average	1		48	
Ac	tion Leve			297	
L	imit Leve	el 🛛		500	

Location:

AM3 -

Sky Tower

	Date	Measurement Period			1-hr TSP concentration, µg/m ³	Weather
Location:		9:00	-	10:00	47	
AM4(A) -	02/05/2024	10:00	-	11:00	53	Cloudy
The Hong Kong		11:00	-	12:00	52	
Society for the		9:00	-	10:00	40	
Blind's Factory	08/05/2024	10:00	-	11:00	47	Sunny
cum Sheltered		11:00	-	12:00	49	
Workshop		13:00	-	14:00	73	
	14/05/2024	14:00	-	15:00	75	Sunny
		15:00	-	16:00	78	
		9:00	-	10:00	56	
	20/05/2024	10:00	-	11:00	60	Cloudy
		11:00	-	12:00	63	
		13:00	-	14:00	67	
	25/05/2024	14:00	-	15:00	72	Cloudy
_		15:00	-	16:00	74	
	31/05/2024	13:00	-	14:00	78	Cloudy
		14:00	-	15:00	82	
		15:00	-	16:00	85	
	Ν	Aaximum			85	
	Ν	Minimum			40	
		Average	1		64	
	A	tion Leve			<u> </u>	
	L	imit Leve	L		500	

NOTE: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since1 Sept 2022. 1-hr TSP monitoring at AM4(A) were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.

		Date	Measurement Period			1-hr TSP concentration, µg/m ³	Weather
Location:			13:00	-	14:00	34	
AM7 -		02/05/2024	14:00	-	15:00	41	Cloudy
Hong	Kong	Kong	15:00	-	16:00	41	
Children's	1's	08/05/2024	13:00	-	14:00	49	Sunny
Hospital			14:00	-	15:00	55	
		15:00	-	16:00	56		
		14/05/2024	9:00	-	10:00	33	Sunny
			10:00	-	11:00	38	
		11:00	-	12:00	39		
		20/05/2024	13:00	-	14:00	53	Cloudy
			14:00	-	15:00	57	
		15:00	-	16:00	54		
		25/05/2024	9:00	-	10:00	59	Cloudy
			10:00	-	11:00	65	
			11:00	-	12:00	66	
			10:00	-	11:00	57	
	31/05/2024	11:00	-	12:00	57	Cloudy	
			13:00	-	14:00	61	
		Ν	Maximum			66	
		1	Minimum			33	
			Average			51	
		A	ction Leve	el		315	
		L	imit Leve	1		500	






NOTE: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (AM4(A)), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 1-hr TSP monitoring at AM4(A) were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for AM4(A) is confirmed.



Appendix J – Event and Action Plan for air quality

					Act	tion			
Event	H	ET		IEC			Supervisor / ER		Contractor
Action Level being exceeded by one sampling	 Identify investigate exceedance Inform C and Superv Repeat m confirm fir 	source and the causes of e; Contractor, IEC visor /ER; neasurement to nding.	1. 2.	Check monitor submitted by ET; Check Co working method.	ring data ontractor's	1.	Notify Contractor.	1. 2.	Rectify any unacceptable practice; Amend working methods if appropriate.
Action Level being exceeded by two or more consecutive sampling	 Identify investigate exceedance Inform C and Superv Increase frequency f Discuss v Contractor actions req Assess the Contractor actions; If exceeda arrange ma and Superv If exceeda additional 	source and e the causes of e; Contractor, IEC visor /ER; monitoring to daily; with IEC and on remedial puired; effectiveness of 's remedial ance continues, eeting with IEC visor /ER; nce stops, cease monitoring	1. 2. 3. 4.	Check monitor submitted by ET; Check Ce working method; Discuss with Contractor on remedial measure Advise the Super on the effectiven proposed measures.	ing data ontractor's ET and possible es; rvisor /ER ness of the remedial	1. 2. 3. 4. 5.	Confirm receipt of notification of exceedance in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; Supervise implementation of remedial measures; Conduct meeting with ET and IEC if exceedance continues.	1. 2. 3. 4.	Discuss with ET and IEC on proper remedial actions; Submit proposals for remedial actions to Supervisor /ER and IEC within three working day of notification; Implement the agreed proposals; Amend proposal if appropriate.
Limit Level being exceeded by one sampling	 Identify Identify investigate exceedance Inform C Supervisor 	source and the causes of e; ontractor, IEC, r /ER, and EPD;	1. 2. 3.	Check monitor submitted by ET; Check Co working method; Discuss possible	ring data ontractor's c remedial	1. 2. 3.	Confirm receipt of notification of exceedance in writing; Notify Contractor; In consolidation with the	1. 2.	Take immediate action to avoid further exceedance; Discuss with ET and IEC on proper remedial actions;
	 Repeat m confirm fin Assess en 	neasurement to nding; ffectiveness of	4.	measures with Contractor; Advise the Supe	ET and rvisor /ER		IEC, agree with the Contractor on the remedial measures to be	3.	Submit proposal for remedial actions to Supervisor /ER and IEC

Errert		Ac	tion	
Event	ET	IEC	Supervisor / ER	Contractor
	Contractor's remedial actions and keep EPD, IEC and Supervisor /ER informed of the results.	on the effectiveness of the proposed remedial measures.	 implemented; 4. Supervise implementation of remedial measures; 5. Conduct meeting with ET and IEC if exceedance continues. 	within three working days of notification; 4. Implement the agreed proposals.
Limit Level being exceeded by two or more consecutive sampling	 Notify IEC, Supervisor /ER, Contractor and EPD; Repeat measurement to confirm findings; Carry out analysis of Contractor's working procedures to identify source and investigate the causes of exceedance; Increase monitoring frequency to daily; Arrange meeting with IEC, Supervisor /ER and Contractor to discuss the remedial action to be taken; Assess effectiveness of Contractor's remedial actions and keep EPD, IEC and Supervisor /ER 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with Supervisor /ER, ET, and Contractor on the potential remedial actions; Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the Supervisor /ER accordingly. 	 Confirm receipt of notification of exceedance in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; Supervise implementation of remedial measures; If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. 	 Take immediate action to avoid further exceedance; Discuss with ET and IEC on proper remedial actions; Submit proposal for remedial actions to Supervisor /ER and IEC within three working days of notification; Implement the agreed proposals; Submit further remedial actions if problem still not under control; Stop the relevant portion of works as instructed by the Supervisor /ER until the exceedance is abated.
	 If exceedance stop, cease additional monitoring. 			

Appendix K – Calibration certificates, catalogue of noise monitoring equipment

Spec	fications		-					
				Data	recall		Allows viewing of stored data	an he caucil is internet moment. for later recall
Applicabl	le standards	NL-52	NL-42	Setup	pmemor	y	Start up via file settings previou	sly stored on SD card possible
, to build and the		ANSI S1.4-1983 Type 1	ANSI S1.4-1983 Type 2	Wavef	form reco le format	rding * 3 t	Uncompressed waveform WAV	Efile
	•	ANSI S1.4A-1985 Type 1 ANSI S1.43-1997 Type 1	ANSI S1.4A-1985 Type 2 ANSI S1.43-1997 Type 2	Sa	ampling fre	equency	Select 48 kHz, 24 kHz or 12 kH	Z
		JIS C 1509-1: 2005 Class 1	UIS C 1509-1: 2005 Class 2	Outputs	ata lengt s DC ou	h itput	Select 24 bit or 16 bit Output DC signals using a frequence	y weighting characteristic selected by processing
		WEEE Directives, Chinese RoHS (export model for China only)		Out	put voltage	2.5 V, 25 mV / dB at bar graph (display full scale
Measure	ment functions	Simultaneous measurement of the weighting and frequency weighting	following items, with selected time			nput	processing or by A, C, Z-weight	ing.
Proces	ssing (main ch)	Instantaneous sound pressure leve	l: Lp		Comp	put voltage arator	1 V (rms values) at bar graph d Turns on when the open-collect	isplay full scale or output exceeds the set value
		Equivalent continuous sound press Sound exposure level: LE	ure level: Leg	LICE	output	t*2	(max. applied voltage 24 V, max.	current 60 mA, allowable dissipation 300 mW).
		Maximum sound pressure level: L	ax	DSBG DSBG	14 JA		Allows USB to be connected to a Allows USB to be controlled via c	computer and recognized as a removable dist communication commands
		Percentile sound levels: LN (0.1 to 99	.9 %, 0.1-increment steps, max. 5 values)	RS-23	32C con	nmunication	Allows for RS-232C communication	ation via use of a dedicated cable
Proces	ssing (sub ch) onal processing	Instantaneous sound pressure leve In addition to main processing item	: Lp 5, one of the following can be selected	Ту	/pe of In	stantaneous value	Lp	
		for simultaneous processing:	., Si die feitering our be selected	dat	ata P	rocessed value erval	Leq, Lmax, Lmin, Lpeak 100 ms	
		C-weighted equivalent continuous C-weighted peak sound level: Lcve	ound level: Lceg k	Print	out		Printing of measurement results	s on dedicated printer DPU-414
		Z-weighted peak sound level: Lzper	k	Powe	er require attery life	ements e (23 °C)	Four IEC R6 (size AA) batteries (alkalin Alkaline battery LR6 (AA): 26 h	e or rechargeable batteries) or external power supply Ni-MH secondary battery: 25 h
		±-ume-weighted equivalent continuous Maximum ⊥-time-weighted equivalent	sound level: LAIeq *2 continuous sound level: LAImax*2		0 ed		At the maximum * Depends on	the setting
		The power average of the maximum le	vel of each 5 second interval: LAtm5	Ex	c adapte demal po	ər ower voltage	5 to 7 V (rated voltage: 6 V)	bdeis cannot be used)
		of the sub-channel, so when the sub-channel	has A-weighting, LAtms can be selected.	Cu	urrent co	Insumption	Approximately 90 mA (normal of -10 to ±50 °C	peration, rated voltage)
		When C-weighting (Z-weighting) is select (1.7mm) are selectable	ed, the additional processing $LCeq$ and $LCpeak$	condit	itions H	lumidity	10 to 90 % RH (non-condensing	3)
Measurin	ng time	10 s, 1, 5, 10, 15, 30 m, 1, 8, 24 h,	and manual (maximum 24 h)	Dustp	proof / wa rmance *	ater-resistant	IP code: IP54 (except for micro See precautions regarding wate	phone) erproofing
Microphone	e Type Sensitivity level	UC-59 -27 dB	UC-52 -33 dB	Dimer	nsions,	weight	Approx. 250 (H) x 76 (W) x 33 m	nm(D), approx. 400 g (with batteries)
Measure	ment range	A-weighting: 25 dB to 138 dB		Suppl	lied acc	essories	Storage case x 1, Windscreen WS Hand strap x 1, LR6 (AA) alkaline	-10 x 1, Windscreen fall prevention rubber x 1, batteries x 4, SD card 512 MB×1 (NX-42EX
		Z-weighting: 38 dB to 138 dB					preinstalled model only)	
		C-weighting peak sound level: 55 c Z-weighting peak sound level: 60 d	B to 141 dB 3 to 141 dB	Opti	ions			
Inherent	A-weighting	17 dB or less	19 dB or less	Exter	nded fur	Proc ection program	duct name m (Inst on 512 MB SD card)	Product number NX-42EX
noise	C-weighting Z-weighting	25 dB or less 30 dB or less	27 dB or less 32 dB or less	Wave	eform re	cording progr	ram*2 (Inst.on 2 GB SD card)	NX-42WR
Frequenc	cy range	20 Hz to 20 kHz	20 Hz to 8 kHz	Octave FFT ε	e, 1/3 octav analysis	ve real-time analy program * 2 (ysis program*2 (Inst.on 512 MB SD card) Inst.on 512 MB SD card)	NX-42RT NX-42FT
Frequend Time wei	cy weighting ighting	A, C, and Z F (Fast) and S (Slow)		Data	manage	ment software	for environmental measurement	AS-60
Level ran	nge uph display rango may	Single range (Linearity range: 113 (B)	(Includ	ides the o	ctave and 1/3	octave data management software)	AS-60RT
Switchin	ng of bar graph display	Set the upper/ lower limit in 10 dB i	ncrements.	Data i (Inclu	manage udes the	vibration leve	e for environmental measurement el data management software)	AS-60∨M
RMS det Sampling	ection circuit	Digital processing method 20.8 µs (Lp. Leg. LE, Lmax, Lmin, Lpe	k : sampling frequency: 48 kHz)	SD C	eform an Card 512	alysis softwa MB	IFO	SD-512M
0-11		100 ms (LN)		SD C	Card 2 G	B 100 ∀ to 240	V/	SD-2G
Calibratio	on	Measurement Law: electrical calibration using internally generated signals: acous	berformed according to IEC and JIS standards, lic calibration performed with the NC-74.	Batte	ery pack	100 V 10 240	v)	BP-21
Correctio	on functions	Windscreen correction:	10-1 standards when the windscreen is installed	Micro BNC-	ophone e -Pin outr	extension cat put code	bles	EC-04 (from 2 m) CC-24
		Diffuse sound field correction:	or i standards within the windscreen is instanted.	Comp	parator (output cable		CC-42C
		Correction of frequency character (ANSI S1.4) in diffuse sound field.	stics in order to comply with standards	Printe	er er cable			DPU-414 CC-42P
Delay tim	ne	The meter can be set to start measure	ing a specified time (OFF, 1, 3, 5 or 10 s)	RS 2	32C ser	ial 1/O cable		CC-42R
Back era	ise function	When the PAUSE key is pressed to	pause measurement, the preceding	Soun	nd calibra	ator		NC-74
Display		(user selectable) 0, 1, 3 or 5 s data Backlit semitransparent color TET	are excluded from processing.	All-we Wind	eather w dscreen i	vindscreen mounting ada	apter	WS-15 WS-15006
Lispidy		* LCD with touch panel (Capacitive	Touch Panel)	Rain-	-protecti	on windscree	n	WS-16
Store	lanual	Numerical display update frequency: 1 Data for measurement results are sto	state Bar graph update frequency: 100 ms red manually in single address increments.	All-we	eather w	rieter tripod vindscreen tri	pod	ST-81
	Number of data	Internal memory: max. 1000 sets		∗1 Use ∗4 Pro	e Rion ful otection	ly guaranteed p against harm	products. +2 NX-42EX required (sold ful dust and water splashing from	separately). *3 NX-42WR required (sold separately any direction.
EE EA	uto*2	Instantaneous values (Lp mode) an	d processed values (Leq mode) are	Preca	autions	regarding w	aterproofing	-
	Le sampling evelo	stored continuously and automatica	Ily at preset intervals.	To mai	e use, ve aintain the	e water and du	ust proof rating, internal packing re	placement is required every two years (at cost)
	Leg sampling cycle	10 s, 1, 5, 10, 15, 30 ms, 1, 8, 24 h						
	Measurement Time	Max. 1000 h (depends on the capa	city of the SD Card)*1					150 14001
Window	vs is a trademar	rk of Microsoft Corporation.						ISO 14001 RION CO., LTD. SOD
opacine	sationa subject	te enange minout notice.			_			Lee e a e r mon de, Erb.
Distribu	uted by:			/		ノー		
				\mathcal{L}				U., LI D.
						ht	tp://www.rion.co.jp/eng	glish/
				3-20	0-41,	Higashi	motomachi, Kokubu	nji, Tokyo 185-8533, Japan
				Tel:	+81-	42-359-	/888 Fax: +81-42-	359-7442



Calibration Certifica	e of Sound Leve	el Meter				
准周期是本实验室依据本证书报告的技术依据和仪器设备常规使用条件给出的建议,供委 考。委托方可以根据实际使用情况自行决定样品的校准周期。 rence calibration period is based on the reference documents and normal operating conditions of the calibrated nt. It is only for reference. The client may decide the calibration period of the instrument according to the	CEP	P .		证书编号(Certif	icate No.): 2HB230014	38-0004
se.	1 外	N观与工作正常性检查(A 无影响证书中测量结 There are no factor an	Appearance and Function C 果准确度的因素和缺陷。 d defect that affect the mea	Check) isurement result accuracy	of the certificate.	
	2 指	旨示声级调整 (Indication	SPL Calibration)	+4-4-10	频率(Frequency)=1(000Hz
	1 (Mic	专声器型号 crophone Type)	作戶當骗亏 (Microphone SN.)	放大器 (Preamplific	ビラ 取入辞編う r Type) (Preamplifier S	N.)
		/	1	/	/	
	, 声	6校准器型号	标准声压级	校准前示值	校准后示值	U
	(Ca	alibrator Type)	(Reference SPL)	(Before Calibration)	(After Calibration)	(<i>k</i> =2)
			(dB)	(dB)	(dB)	(dB)
		4226	94.0	94.0	94.0	0.2
	3 級	吸线性 (Level Linearity)				
	3.1	参考级量程 (Reference	Range)	频率(Fi	requency): 8000Hz	
		标准声级	指示声级	误差	允许误差 结论	U
		(Standard)	(Indication)	(Error)	(Limit) (Pass/Fail)	(<i>k</i> =2)
		(dB)	(dB)	(dB)	(dB) (P/F)	(dB)
		130.0	129.8	-0.2	±0.8 P	0.3
		129.0	128.8	-0.2	±0.8 P	0.3
		128.0	127.8	-0.2	±0.8 P	0.3
		127.0	126.8	-0.2	±0.8 P	0.3
		126.0	125.9	-0.1	±0.8 P	0.3
		125.0	124.9	-0.1	±0.8 P	0.3
		120.0	119.9	-0.1	+0.8 P	0.5
		100.0	100.0	0.0	±0.8 P	0.3
R		90.0	90.0	0.0	±0.8 P	0.3
		80.0	79.9	-0.1	±0.8 P	0.3
		70.0	69.9	-0.1	±0.8 P	0.3
		60.0	60.0	0.0	±0.8 P	0.3
		50.0	49.9	-0.1	±0.8 P	0.3
		40.0	39.9	-0.1	±0.8 P	0.3
		35.0	34.8	-0.2	±0.8 P	0.3
		34.0	33.8	-0.2	±0.8 P	0.3
1奴伏, 小侍部方夏制。(The certificate shall not be partly reproduced without written y.)		33.0	32.9	-0.1	±0.8 P	0.3
動有关。(The results are only related to the items calibrated.)		32.0	31.8	-0.2	±0.8 P	0.3
息"由委托方提供,"制造厂"、"型号规格"、"出厂编号"以及"设备编号"为仪器 客如有异议,须在收到证书后二十个工作日内提出。 Yontact Information are provided by client, and the Manufacurer, Model/Type, Serial marked on the items. Client shall submit any objection within 20 working days after		30.0	29.8	-0.2	±0.8 P	0.3
or the information above.			数据页(Data s	heet) ID: 071288	第 5 Page	页,共 9页 of
					8*	

C.		证书编号	€(Certificate No.):	2HB2300148	8-0004		CEPREI			证书编号	≓(Certificate No.):	2HB23001488	8-0004
			频率(Frequency): 1	000Hz			4 A计权特性(A-V	Weighting Cha	racteristic)				
标准声级	指示声级	误差	允许误差	结论	U		频率	实测值	理论值	误差	允许误差	结论	U
(Standard)	(Indication)	(Error)	(Limit)	(Pass/Fail)	(k=2)		(Frequency)	(Actual)	(Theoretical value)	(Error)	(Limit)	(Pass/Fail)	(<i>k</i> =2)
(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)		(Hz)	(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)
130.0	129.9	-0.1	±0.8	Р	0.3		20	-50.8	-50.5	-0.3	±2.0	Р	0.5
129.0	128.9	-0.1	±0.8	Р	0.3		25	-45.0	-44.7	-0.3	+2.0 ~ -1.5	Р	0.5
128.0	127.9	-0.1	±0.8	Р	0.3		31.5	-39.6	-39.4	-0.2	±1.5	Р	0.5
127.0	126.9	-0.1	±0.8	Р	0.3		40	-34.6	-34.6	0.0	±1.0	Р	0.5
126.0	125.9	-0.1	±0.8	Р	0.3	-	50	-30.2	-30.2	0.0	±1.0	Р	0.5
125.0	124.9	-0.1	±0.8	Р	0.3		63	-26.1	-26.2	0.1	±1.0	Р	0.5
120.0	120.0	0.0	±0.8	Р	0.3		80	-22.3	-22.5	0.2	±1.0	P	0.5
110.0	110.0	0.0	±0.8	Р	0.3		100	-19.1	-19.1	0.0	±1.0	P	0.5
100.0	100.0	0.0	±0.8	P	0.3		125	-16.1	-16.1	0.0	±1.0	P	0.5
90.0	90.0	0.0	±0.8	P	0.3		160	-13.2	-13.4	0.2	±1.0	P	0.5
70.0	70.0	0.0	+0.8	P	0.3		200	-10.7	-10.9	-0.1	+1.0	p	0.5
60.0	60.0	0.0	+0.8	P	0.3		250	-0.7	-0.0	-0.1	+1.0	р	0.5
50.0	50.0	0.0	±0.8	P	0.3		400	-0.3	-4.8	0.1	±1.0	Р	0.4
40.0	40.0	0.0	±0.8	Р	0.3		500	-3.1	-3.2	0.1	±1.0	Р	0.4
35.0	34.9	-0.1	±0.8	Р	0.3		630	-1.8	-1.9	0.1	±1.0	Р	0.4
34.0	33.9	-0.1	±0.8	Р	0.3		800	-0.7	-0.8	0.1	±1.0	Р	0.4
33.0	32.9	-0.1	±0.8	Р	0.3		1000(Ref.)	0.0	0.0	0.0	±0.7	Р	0.4
32.0	31.9	-0.1	±0.8	Р	0.3		1250	0.6	0.6	0.0	±1.0	Р	0.6
31.0	30.9	-0.1	±0.8	Р	0.3		1600	1.0	1.0	0.0	±1.0	Р	0.6
30.0	29.9	-0.1	±0.8	Р	0.3		2000	1.1	1.2	-0.1	±1.0	Р	0.6
							2500	1.1	1.3	-0.2	±1.0	Р	0.6
							3150	1.0	1.2	-0.2	±1.0	Р	0.6
							4000	0.7	1.0	-0.3	±1.0	Р	0.6
			R				5000	0.4	0.5	-0.1	±1.5	P	0.6
						153	6300	-0.2	-0.1	-0.1	+1.5 ~ -2.0	P	0.6
							8000	-1.0	-1.1	0.1	$+1.3 \sim -2.3$ $+2.0 \approx -2.0$	P	0.6
							10000	-2.3	-2.5	0.2	$+2.0 \approx -5.0$	Р	1.0
							12500	-4.2	-4.5	-19	+2.5 ~ -16.0	Р	1.0
						· · · · · · · · · · · · · · · · · · ·	20000	-18.4	-9.3	-9.1	+3.0 ~ -00	Р	1.0
第6页,共9页	数据页(Data si	heet) ID: 0	71288						贅搌页(Data sl	heet) ID:	071288	第 7 页	1.共 9页



CEPREI		证书编号(Certifi	cate No.): 2HB2300148	38-0003	CEPREI		证书编号	号(Certificate No.):	2HB2300148	8-0003
					3.2 其它级量程 (Other Rang	je)		频率(Frequency): 1	000Hz	
 外观与工作止常性恒貨(王影响证其由测量。) 	Appearance and Function (里准确度的因素和缺陷	Lneck)			标准声级	指示声级	误差	允许误差	结论	U
无影响证书中的重新	i 木住明皮山山 永中吗~	asurement result accuracy	of the certificate		(Standard)	(Indication)	(Error)	(Limit)	(Pass/Fail)	(<i>k</i> =2)
There are no factor a	la delect that arrest the mea	astrenient result accuracy	of the continente.		(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)
2 指示声级调整 (Indication	SPL Calibration)		频率(Frequency)=10	000Hz	130.0	129.9	-0.1	±0.8	Р	0.3
在 古 器 刑 号	传声器编号	放大器型	1号 放大器编号		129.0	128.9	-0.1	±0.8	Р	0.3
(Microphone Type)	(Microphone SN.)	(Preamplifie	Type) (Preamplifier S	N.)	128.0	127.9	-0.1	±0.8	Р	0.3
/	1	· · · ,	/		127.0	126.9	-0.1	±0.8	Р	0.3
					126.0	125.9	-0.1	±0.8	Р	0.3
声校准器型号	标准声压级	校准前示值	校准后示值	U	125.0	124.9	-0.1	±0.8	Р	0.3
(Calibrator Type)	(Reference SPL)	(Before Calibration)	(After Calibration)	(<i>k</i> =2)	120.0	120.0	0.0	±0.8	P	0.3
	(dB)	(dB)	(dB)	(dB)	10.0	100.0	0.0	±0.8	P	0.3
4226	94.0	93.8	93.8	0.2	90.0	00.0	0.0	±0.8	P	0.3
					80.0	80.0	0.0	+0.8	r p	0.3
3 级线性 (Level Linearity)		100 - Au			70.0	70.0	0.0	±0.8	P	0.3
3.1 参考级量程 (Referenc	e Range)	频率(Fr	equency): 8000Hz		60.0	60.0	0.0	±0.8	Р	0.3
标准声级	指示声级	误差)	心计误差 结论	(1-2)	50.0	50.0	0.0	±0.8	Р	0.3
(Standard)	(Indication)	(Error)	(Limit) (Pass/Fail)	(<i>K</i> =2)	40.0	40.0	0.0	±0.8	Р	0.3
(dB)	(dB)	(dB)	(dB) (P/F)	(dB)	35.0	34.9	-0.1	±0.8	Р	0.3
130.0	129.8	-0.2	±0.8 P	0.3	34.0	33.9	-0.1	±0.8	Р	0.3
129.0	127.8	-0.2	+0.8 P	0.3	33.0	32.9	-0.1	±0.8	Р	0.3
123.0	126.8	-0.2	±0.8 P	0.3	32.0	31.9	-0.1	±0.8	Р	0.3
126.0	125.9	-0.1	±0.8 P	0.3	31.0	30.9	-0.1	±0.8	Р	0.3
125.0	124.9	-0.1	±0.8 P	0.3	30.0	29.9	-0.1	±0.8	Р	0.3
120.0	119.9	-0.1	±0.8 P	0.3						
110.0	110.0	0.0	±0.8 P	0.3						
100.0	100.0	0.0	±0.8 P	0.3						
90.0	90.0	0.0	±0.8 P	0.3						
80.0	79.9	-0.1	±0.8 P	0.3						
70.0	69.9	-0.1	±0.8 P	0.3						
60.0	60.0	0.0	±0.8 P	0.3						
50.0	49.9	-0.1	±0.8 P	0.3						
40.0	39.9	-0.1	±0.8 P	0.3						
35.0	34.8	-0.2	±0.8 P	0.3						
34.0	32.0	-0.2	+0.8 P	0.3						
32.0	31.8	-0.1	+0.8 P	0.3						
31.0	30.8	-0.2	±0.8 P	0.3						
30.0	29.8	-0.2	±0.8 P	0.3						

4	EDDEI							
4	EFREI			证书编号	Certificate No.):	2HB2300148	8-0003	
	A计权特性(A-W	eighting Char	acteristic)					
	频率	实测值	理论值	误差	允许误差	结论	U	
	(Frequency)	(Actual)	(Theoretical value)	(Error)	(Limit)	(Pass/Fail)	(<i>k</i> =2)	
	(Hz)	(dB)	(dB)	(dB)	(dB)	(P/F)	(dB)	
	20	-50.5	-50.5	0.0	±2.0	Р	0.5	
	25	-44.9	-44.7	-0.2	$+2.0 \sim -1.5$	Р	0.5	
	31.5	-39.7	-39.4	-0.3	±1.5	Р	0.5	
	40	-34.5	-34.6	0.1	± 1.0	Р	0.5	
	50	-30.3	-30.2	-0.1	±1.0	Р	0.5	
	63	-26.2	-26.2	0.0	±1.0	P	0.5	
	80	-22.3	-22.5	0.2	±1.0	P	0.5	
	100	-19.1	-19.1	0.0	±1.0	P	0.5	
	125	-16.1	-10.1	0.0	+1.0	P	0.5	
	160	-13.2	-13.4	0.2	+1.0	р	0.5	
	200	-10.8	-10.9	0.0	+1.0	Р	0.5	
	315	-6.6	-6.6	0.0	±1.0	Р	0.4	
	400	-4.7	-4.8	0.1	±1.0	Р	0.4	
	500	-3.2	-3.2	0.0	±1.0	Р	0.4	
	630	-1.9	-1.9	0.0	±1.0	Р	0.4	
	800	-0.8	-0.8	0.0	±1.0	Р	0.4	
	1000(Ref.)	0.0	0.0	0.0	±0.7	Р	0.4	
	1250	0.5	0.6	-0.1	±1.0	Р	0.6	
	1600	0.9	1.0	-0.1	±1.0	Р	0.6	
	2000	1.1	1.2	-0.1	±1.0	Р	0.6	
	2500	1.1	1.3	-0.2	±1.0	Р	0.6	
	3150	0.9	1.2	-0.3	±1.0	Р	0.6	
	4000	0.7	1.0	-0.3	±1.0	Р	0.6	
	5000	0.3	0.5	-0.2	±1.5	P	0.6	
	6300	-0.2	-0.1	-0.1	+1.5 ~ -2.0	P	0.6	
	8000	-1.1	-1.1	0.0	+1.5 ~ -2.5	P	0.6	
	10000	-2.3	-2.5	0.2	$+2.0 \sim -3.0$	P	1.0	
	12500	-4.3	-4.3	-1.9	$+2.0 \sim -5.0$	P	1.0	
	20000	-8.5	-0.0	-9.1	+3.0 ~ =======	P	1.0	







G							SPECIF	ICATIONS			
CEPRE	® =		证于书籍	编号(Certificate	e No.): 2HB23	001715-0001	THERM	AL ANEMOMETERS 5 TA410, TA430 AND TA440			
1 外	观与工作正常 无影响证书	性检查 (Appearan 中測量结果准確角	ice and Function Check) 新的因素和缺陷。								
	There are no	factor and defect t	that affect the measurement re	esult accuracy of	the certificate.		Velocity Range (TA	0 to 20 m/s (0 to 4,000 ft/min)	Time Constant (TA4 User selectable	30, TA440)	
2 声	压级 (Sound P	ressure Level)					Range (144 Accuracy (T Accuracy (T	130, TA440) 0 to 30 m/s (0 to 6,000 ft/min) "A410) ³⁶² ±5% of reading or ±0.025 m/s (±5 ft/min), whichever is greater A430, TA440) ³⁶² ±3% of reading or ±0.015 m/s	External Meter Dime 8.4 cm x 17.8 cm x 4.4 c	nsions :m (3.3 in. x 7.0 in. x 1.8	in.)
颊	见定声压级	测量声压级	声压级差的绝对值	接受限	结论	U	Resolution	(±3 rt/min), whichever is greater 0.01 m/s (1 ft/min)	Meter Weight with B 0.27 kg (0.6 lbs.)	atteries	
(Pre	escribed SPL)	(Measured SPL)	(Absolute value of SPL)	(Limit)	(Pass/Fail)	(<i>k</i> =2)	Duct Size (TA430, TA440)	Meter Probe Dimonsi	ions	
	(dB) 94	(dB) 93.86	(dB) 0.14	(dB) ≤0.25	Р	(dB) 0.10	Dimensions	to 635 cm in increments of 0.1 cm (1 to 250 inches in increments of 0.1 in.)	Probe Length Probe Diameter of Tip Probe Diameter of Base	101.6 cm (40 in.) 7.0 mm (0.28 in.) 130 mm (0.51 in.)	
							Volumetri	c Flow Rate (TA430, TA440)	Artigulating Probe D	imensions	
3 频)	率 (Frequency))					Kange	and duct size	Articulating Probe D	19.7 cm (7.8 in.)	
	柳宮綺蜜	测量频率	麵素误差的絕对值	接受限	结论	T.L.	Temperate Range (TA4 Range (TA4	ure (10, TA430) -18 to 93°C (0 to 200°F) (40) -10 to 60°C (14 to 140°F)	Diameter of Articulating Knuckle	9.5 mm (0.38 in.)	
(Pre	escribed Fre)	(Measured Fre.)	(Absolute value of Fre.)	(Limit)	(Pass/Fail)	(k=2)	Accuracya	±0.3°C(±0.5°F)	Power Requirements	s or AC adaptor	
((Hz)	(Hz)	(%)	(%)	(x uss x uny	(%)	Resolution	0.1-C(0.1-F)	i oui An-size batteries	of he daupter	
	1000	1003.7	0.37	<0.70	р	0.10	Relative H Range	lumidity (TA440 only) 5 to 95% RH		TA410 TA430, TA430-J	TA44 TA440
				20110		0	Accuracy ⁴ Resolution	±3% RH 0.1% RH	Velocity range 0 to 20.00 m/s (0 to 4000 ft/min)	+	
4 总	失真+噪声 (D)	istortion and noise)					historia and		Velocity range 0 to 30.00 m/s	+	
							Range	5 to 60°C (40 to 140°F)	(0 to 6000 ft/min)		
规	定声压级	规定频率	总失真+噪声	接受限	结论	Urel	Resolution	0.1°C (0.1°F)	Flow	+	-
(Pre	scribed SPL)	(Measured Fre.)	(Distortion and noise)	(Limit)	(Pass/Fail)	(<i>k</i> =2)	Dew Point Bange	-15 to 49°C (5 to 120°E)	Humidity, wet bulb,		
	(dB)	(Hz)	(%)	(%)		(%)	Resolution	0.1°C (0.1°F)	dew point Probe	Straight Straight or	A Straight
	94	1000	0.69	≤2.50	Р	5.0	Instrumen	t Temperature Range	Variable time	- articulate +	a atucus +
						······	Operating (Model TA41	Electronics) 5 to 45°C (40 to 113°F) 10, TA430 -18 to 93°C (0 to 200°F)	Manual	+	+
以下空的	∃/No data hero	eafter					Operating (Model TA44	Probe) 40 -10 to 60°C (14 to 140°F)	Auto save		+
							Operating (Storage	-20 to 60°C (-4 to 140°F)	Statistics	+	+
							Data Stora	ge Canabilities (TA420 TA440)	Review data	+	+
							Range	12,700+ samples and 100 test IDs	LogDat2 downloading	+	
							Logging In	terval (TA430, TA440)	software Free Certificate		
							1 second to	1 hour	of Calibration	+ +	+
							Specifications su	bject to change without notice.	¹ Temperature compensated over © The accuracy statement begins	an air temperature range of 5 to at 30 ft/min through 4000 ft/m	65°C (40 to 150°F n (0.15 m/s through
							TSI and the TSI I the Airflow logo	ogo are registered trademarks, and Airflow. and LogDat2 are trademarks of TSI Incorporated.	for the Model TA410, and 30 ft/r Models TA430 and TA440.	min through 6,000 ft/min (0.15	n/s through 30 m/
							TS,		⁹ Accuracy with instrument case for change in instrument tempe ⁴ Accuracy with probe at 25°C (77 change in probe temperature. In	at 25°C (77°F), add uncertainty o rature. ™F). Add uncertainty of 0.2% RF cludes 1% hysteresis.	f 0.03°C/°C (0.05° /°C (0.1% RH/°F)
				100000000			• •				

Calibration Certificate of Air Flow Meter
Construction Contribution Contribution Contribution Contribution Exercise CALIBOA Control Contribution Contribution CALIBOA Control Contro Control Control Control Control Control Control Contro
Result of Calibration Air Velocity Technical Technical Reading (m/s) Reading (m/s) Error (m/s) Uncertainty (%) Technical 0.99 1.01 0.02 3.6 ± 3 % Mfr's Spec. 2.01 2.00 -0.01 3.6 ± 3 % Mfr's Spec. 5.02 5.05 0.03 3.6 ± 3 % Mfr's Spec. 8.00 8.03 0.03 3.6 ± 3 % Mfr's Spec. CTAREOL CTAREOL CTAREOL CTAREOL CTAREOL
Rote: The estimated approximation of approximation and approximation of uncertainty in measurement, and give an internal estimated to have a level of confidence of 50%. A compary take of a simulation are tracepited standard and are calibrated on a schedule to maintain the accuracy and good condition. Rote: The estimated information of the calibration are tracepited standard and are calibrated on a schedule to maintain the accuracy and good condition. Rote: The estimated information calibrated, and the result only applies to the calibrated, and the result only applies to the calibrated, and the result only applies to the calibrated on a schedule to maintain the intrume. Rote: Celebrated By: Checked and Approved By: Company Chop: Calibrated By: Checked and Approved By: Company Chop: Wing Cheng Warren Yeung Certificate Issue Date: 6 March 2024 *** End of Certificate *** CtateGot 1. The certificate shall not be reproduced except in full, without written approval of Cal Lab Limited Cord Cal Lab Limited Cord Cal Lab Limited Cord Calibrated. Ccord Cord Cord Cord Cord Cord Cord Cord C

Appendix L – Noise monitoring results and graphical presentation

D	T (0 C)	XX7 .1		N	/leasured]	Noise Leve	el at M11,	dB(A)		.
Date	Temp (°C)	Weather	Tin	ne	e	Baseline	L_{Aeq}	L _{A10}	L _{A90}	Limit
02/05/2024	25.5	Cloudy	11:03	-	11:33	68.3	72.9	76.6	63.3	75
08/05/2024	24.7	Sunny	13:10	-	13:40	68.3	73.3	77.8	64.0	75
14/05/2024	27.4	Sunny	14:16	-	14:46	68.3	73.1	75.6	63.5	75
20/05/2024	25.5	Cloudy	10:08	-	10:38	68.3	73.6	78.0	65.7	75
31/05/2024	28.3	Cloudy	15:06	-	15:36	68.3	73.4	77.2	63.8	75
			Ν	/[a	aximum		73.6			
			Ν	Æ	inimum		72.9			
				A	verage		73.3			

M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop

NOTE: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 30-min noise monitoring at M11 were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for M11 is confirmed.

Limit

75

75 75 75

75

M12 - Hon	g Kong Ch	liaren's I	Hospital	l					
		XX 7 (1			Measured	d Noise Le	evel at M1	2, dB(A)	
Date	Temp (°C)	Weather]	[iı	me	Baseline	L _{Aeq}	L _{A10}	L_{A90}
02/05/2024	25.5	Cloudy	14:00	-	14:30	61.9	62.9	67.4	56.7
08/05/2024	24.7	Sunny	10:15	-	10:45	61.9	68.7	69.9	61.0
14/05/2024	27.4	Sunny	10:22	-	10:52	61.9	64.3	68.5	59.5
20/05/2024	25.5	Cloudy	13:44	-	14:14	61.9	64.1	66.9	58.3
31/05/2024	28.3	Cloudy	10:04	-	10:34	61.9	63.0	64.7	60.4
]	Maximum	1	68.7		

Minimum

Average

62.9

65.2

Μ тт 17 • . 1

L_{Aeq}, 30-min graphical results of M11 - The Hong Kong Society for the Blind's Factory cum Sheltered Workshop



NOTE: Due to the relocation of The Hong Kong Society for the Blind's Factory cum Sheltered Workshop (M11), the premises owner rejected ET to conduct impact monitoring since 1 Sept 2022. 30-min noise monitoring at M11 were conducted on the ground floor with orienting to the Project site. ET will resume the impact monitoring once the alternative monitoring location for M11 is confirmed.

LAeq, 30-min graphical results of M12 - Hong Kong Children's Hospital



Appendix M – Event and Action Plan for noise

Event				
Event	ET	IEC	Supervisor / ER	Contractor
Action Level being	1. Notify Supervisor / ER,	1. Review the investigation	1. Confirm receipt of	1. Submit noise mitigation
exceeded	IEC and Contractor;	results submitted by the	notification of failure in	proposal to IEC and
	2. Carry out investigation;	ET;	writing;	Supervisor / ER;
	3. Report the results of	2. Review the proposed	2. Notify Contractor;	2. Implement noise
	investigation to the IEC,	remedial measures	3. In consolidation with the	mitigation proposals.
	Supervisor / ER and	submitted by the	IEC, agree with the	(The above actions should be
	Contractor;	Contractor and advise the	Contractor on the remedial	taken within 2 working days
	4. Discuss with the IEC and	ER accordingly;	measures to be	after the exceedance is
	Contractor on remedial	3. Advise the Supervisor /	implemented;	identified.)
	measures required;	ER on the proposed	4. Supervise the	
	5. Increase monitoring	remedial measures.	implementation of	
	frequency to check	(The above actions should be	remedial measures.	
	mitigation effectiveness.	taken within 2 working days	(The above actions should be	
	(The above actions should be	after the exceedance is	taken within 2 working days	
	taken within 2 working days	identified.)	after the exceedance is	
	after the exceedance is		identified.)	
T T T T T T T T T T	identified.)	1		
Limit Level being	1. Inform IEC, Supervisor	1. Discuss the potential	1. Confirm receipt of	1. Take immediate action to
exceeded	/ER, Contractor and EPD;	remedial actions with	notification of failure in	avoid further exceedance;
	2. Repeat measurement to	Supervisor /ER, E1 and	writing;	2. Submit proposals for
	2 Increase monitoring	2 Review Contractor's	2. Notify Contractor;	remedial actions to IEC
	5. Increase montoring	2. Review Contractor's	5. In consolidation with the	and Supervisor /ER within
	A Identify source and	negeosory to assure their	Contractor on the remedial	5 working days of
	4. Identify source and investigate the cause of	effectiveness and advise the	measures to be	3 Implement the agreed
	exceedance:	Supervisor /FR	implemented:	5. Implement the agreed
	5 Carry out analysis of	accordingly	A Supervise the	4 Submit further proposal if
	Contract's working	(The above actions should be	implementation of	nroblem still not under
	procedure.	taken within 2 working days	remedial measures:	control.
	6. Discuss remedial measures	after the exceedance is	5. If exceedance continues	5. Stop the relevant portion of
	required with the IEC	identified.)	consider stopping the	works as instructed by the
	Contractor and Supervisor		Contractor to continue	Supervisor /ER until the
	/ER:		working on that portion of	exceedance is abated.
	7. Assess effectiveness of		work which causes the	(The above actions should be

Event	Action								
Event	ET	IEC	Supervisor / ER	Contractor					
	Contractor's remedial		exceedance until the	taken within 2 working days					
	actions and keep IEC,		exceedance is abated.	after the exceedance is					
	EPD, and Supervisor /ER		(The above actions should be	identified.)					
	informed of the results;		taken within 2 working days after						
	8. If exceedance stops, cease		the exceedance is identified.)						
	additional monitoring.								
	(The above actions should be								
	taken within 2 working days								
	after the exceedance is								
	identified.)								

Appendix N – Event and Action Plan for Landscape and Visual Impact

Event				
Event	ЕТ	IEC	Supervisor / ER	Contractor
Design Check	1. Check final design conforms to the requirements of EP and prepare report.	 Check report. Recommend remedial design if necessary. 	1. Undertake remedial design if necessary.	
Non-conformity on one occasion	 Identify Source. Inform IEC and Supervisor /ER. Discuss remedial actions with IEC, Supervisor /ER and Contractor. Monitor remedial actions until rectification has been completed. 	 Check report. Check Contractor's working method. Discuss with ET and Contractor on possible remedial measures. Advise Supervisor /ER on effectiveness of proposed remedial measures. Check implementation of remedial measures. 	 Notify Contractor. Ensure remedial measures are properly implemented. 	 Amend working methods. Rectify damage and undertake any necessary replacement.
Repeated Non-conformity	 Identify Source. Inform IEC and Supervisor /ER. Increase monitoring frequency. Discuss remedial actions with IEC, Supervisor /ER and Contractor. Monitor remedial actions until rectification has been completed. If non-conformity stops, cease additional monitoring. 	 Check monitoring report. Check Contractor's working method. Discuss with ET and Contractor on possible remedial measures. Advise Supervisor /ER on effectiveness of proposed remedial measures. Supervise implementation of remedial measures. 	 Notify Contractor. Ensure remedial measures are properly implemented. 	 Amend working methods. Rectify damage and undertake any necessary replacement.

Appendix O – Waste Flow Table

Contract No. ED/2018/01 Kai Tak development – stage 4 infrastructure at the former runway and south apron

Appendix I - Monthly Summary Waste Flow Table

Name of Department: CEDD

Contract No.: ED/2018/01

	Ac	tual Quantitie	s of Inert C&D	Materials Gene	rated Monthl	у		Actual Quantities of C&D Wastes Generated Monthly				
Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Importe Fill	ed Meta	s	Paper / cardboard packaging	Plastics (see Note 3)	Chemical Wast	Others, e.g. general refuse
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³	(in '000 3)	kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
Jan	2.311	0.111			2.311							0.184
Feb	2.232	0.177			2.232							0.173
Mar	2.893	0.032			2.893				0.051			0.259
Apr	3.482	0.016			3.482							0.238
May	5.531	0.595			5.531							0.143
Jun												
Sub-total	16.449	0.931			16.449				0.051			0.997
July												
Aug												
Sep										L		
Oct												
Nov										L		
Dec												
Total	16.449	0.931			16.449				0.051			0.997
			Forecas	t of Total Quant	tities of C&D	Materials	to be Gener	ated f	from the Contrac	t*		
Total Quantity	Hard Rock and	Large Reused	in the Reused	in other Dispose	ed as	rted Fill	Metals	Pa	aper / cardboard	Plastics	Chemical Waste	Others, e.g.
Generated	Broken Cond	crete Contr	act Proj	ects Public	Fill				packaging	(see Note 3)		general refuse
(in '000m ³)	(in '000m	3) (in '00)	0m³) (in '00	00m ³) (in '000	Dm³) (in '	000m ³)	(in '000 kg)		(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
207.384	2.103	10.	2 14	10 27.4	15	25	200		0.8	0.1		3.891

Monthly Summary Waste Flow Table for May 2024

Notes: (1) The performance targets are given in ER Appendix 8I Clause 14 and the EM&A Manual

(2) The waste flow table shall also include C&D materials to be imported for use at the Site

(3) Plastics refer to plastic bottles/containers, plastic sheets/foam from packaging material and water barrier

(4) The Contractor shall also submit the latest forecast of the total amount of C&D materials expected to be generated from the works, together with a breakdown of the nature where the total amount of C&D materials expected to be generated from the Works is equal to or exceeding 50,000m³ (ER Part 8 Clause 8.7.5(d)(ii) refers)

(5) Assume inert C&D materials density and non-inert C&D materials are 1.9 ton/m³ and 1.5 ton/m³



Appendix P – Environmental Mitigation Implementation Schedule (EMIS)

Implementation Schedule for Air Quality Measures							
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status				
S3.2		8 times daily watering of the work site with active dust emitting	^				
		activities.					
S3.2	S4.8	Implementation of dust suppression measures stipulated in Air	^				
		Pollution Control (Construction Dust) Regulation. The following					
		mitigation measures, good site practices and a comprehensive dust					
		monitoring and audit programme are recommended to minimize					
		cumulative dust impacts.					
		- Stockpiling site(s) should be lined with impermeable sheeting	^				
		and bunded. Stockpiles should be fully covered by					
		impermeable sheeting to reduce dust emission.					
		- Misting for the dusty material should be carried out before	^				
		being loaded into the vehicle.					
		- Any vehicle with an open load carrying area should have	^				
		properly fitted side and tail boards.					
		- Material having the potential to create dust should not be loaded	^				
		from a level higher than the side and tail boards and should be					
		dampened and covered by a clean tarpaulin.					
		- The tarpaulin should be properly secured and should extent at	^				
		least 300 mm over the edges of the sides and tailboards. The					
		material should also be dampened if necessary, before					
		transportation.					
		- The vehicles should be restricted to maximum speed of 10 km	^				
		per hour and confined haulage and delivery vehicle to					
		designated roadways insider the site. On- site unpaved roads					
		should be compacted and kept free of lose materials.					
		- Vehicle washing facilities should be provided at every vehicle	^				
		exit point.					
		- The area where vehicle washing takes place and the section of	^				
		the road between the washing facilities and the exit point should					
		be paved with concrete, bituminous materials or hardcores.					
		- Every main haul road should be scaled with concrete and kept	^				
		clear of dusty materials or sprayed with water so as to					
		maintain the entire road surface wet.					
		- Every stock of more than 20 bags of cement should be covered	^ *				
		entirely by impervious sheeting placed in an area sheltered on					
		the top and the three sides.					
		- Every vehicle should be washed to remove any dusty materials	^				
		from its body and wheels before leaving the construction sites.					

Implementatio	Implementation Schedule for Noise Measures							
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status					
\$3.3		Use of quiet PME, movable barriers for Asphalt Paver, Breaker,	^					
		Excavator and Hand-held breaker and full enclosure for Air						
		Compressor, Bar Bender, Concrete Pump, Generator and Water						
		Pump.						
\$3.3		Good Site Practice:						
\$3.3		- Only well-maintained plant should be operated on-site and	^					
		plant should be serviced regularly during the construction						
		program.						
		- Silencers or mufflers on construction equipment should be	^					
		utilized and should be properly maintained during the						
		construction program.						
		- Mobile plant, if any, should be sited as far away from NSRs as	^					
		possible.						
		- Machines and plant (such as trucks) that may be in intermittent	^					
		use should be shut down between works periods or should be						
		throttled down to a minimum.						
		- Plant known to emit noise strongly in one direction should,	^					
		wherever possible, be orientated so that the noise is directed						
		away from the nearby NSRs.						
		- Material stockpiles and other structures should be effectively	^					
		utilized, wherever practicable, in screening noise from on-site						
		construction activities.						
		- Scheduling of Construction Works during School	N/A					
		Examination Period						

Implementation Schedule for Water Quality Measures						
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status			
S3.4		<u>Construction Runoff</u> Exposed soil areas should be minimised to reduce the potential for increased siltation, contamination of runoff, and erosion. Construction runoff related impacts associated with the above ground construction activities can be readily controlled through the	^*			
52.4		use of appropriate mitigation measures which include:	^			
53.4		- use of sediment traps.				
S3.4		- adequate maintenance of drainage systems to prevent flooding and overflow.	^			

Implementation Schedule for Water Quality Measures							
EIA for KTD Development Ref.	EIA for KTD – Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status				
	S5.8	- Surface run-off from construction sites should be discharged	^				
		into storm drains via adequately designed sand/silt removal					
		facilities such as sand traps, silt traps and sedimentation basins.					
	S5.8	- Channels or earth bunds or sand bag barriers should be provided	^				
		on site to properly direct stormwater to such silt removal					
		facilities. Perimeter channels should be provided on site					
		boundaries where necessary to intercept storm run-off from					
		outside the site so that it will not wash across the site. Catchpits					
		and perimeter channels should be constructed in advance of site					
		formation works and earthworks.					
	S5.8	- Silt removal facilities, channels and manholes should be	^				
		maintained and the deposited silt and grit should be removed					
		regularly, at the onset of and after each rainstorm to prevent					
		local flooding. Any practical options for the diversion and					
		re-alignment of drainage should comply with both engineering					
		and environmental requirements in order to provide adequate					
		hydraulic capacity of all drains. Minimum distance of 100 m					
		should be maintained between the discharge points of					
		construction site run-off and the existing saltwater intakes.					
	S5.8	- Earthworks final surfaces should be well compacted and the	^				
		subsequent permanent work or surface protection should be					
		carried out immediately after the final surfaces are formed to					
		prevent erosion caused by rainstorms. Appropriate drainage like					
		intercepting channels should be provided where necessary.					
	S5.8	- Measures should be taken to minimize the ingress of rainwater	^				
		into trenches. If excavation of trenches in wet seasons is					
		necessary, they should be dug and backfilled in short sections.					
		Rainwater pumped out from trenches or foundation excavations					
		should be discharged into storm drains via silt removal facilities.					
	S5.8	- Open stockpiles of construction materials (e.g. aggregates,	^				
		sand and fill material) on sites should be covered with tarpaulin					
		or similar fabric during rainstorms.					
	S5.8	- Manholes (including newly constructed ones) should always be	^				
		adequately covered and temporarily sealed so as to prevent silt,					
		construction materials or debris from getting into the drainage					
		system, and to prevent storm run-off from getting into foul					
		sewers. Discharge of surface run-off into foul sewers must					
		always be prevented in order not to unduly overload the foul					

Implementation Schedule for Water Quality Measures							
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status				
		sewerage system.					
	S5.8	- Good site practices should be adopted to remove rubbish and	^				
		litter from construction sites so as to prevent the rubbish and					
		litter from spreading from the site area. It is recommended to					
		clean the construction sites on a regular basis.					
S3.4		Construction site should be provided with adequately designed	^				
		perimeter channel and pre-treatment facilities and proper					
		maintenance. The boundaries of critical areas of earthworks should					
		be marked and surrounded by dykes or embankments for flood					
		protection. Temporary ditches should be provided to facilitate runoff					
		discharge into the appropriate watercourses, via a silt retention pond.					
		Permanent drainage channels should incorporate sediment basins or					
		traps and baffles to enhance deposition rates. The design of efficient					
		silt removal facilities should be based on the guidelines in Appendix					
		A1 of ProPECC PN 1/94.					
S3.4	S5.8	Ideally, construction works should be programmed to minimise	^				
		surface excavation works during the rainy season (April to					
		September). All exposed earth areas should be completed as soon as					
		possible after earthworks have been completed, or alternatively,					
		within 14 days of the cessation of earthworks where practicable.					
		If excavation of soil cannot be avoided during the rainy season, or at					
		any time of year when rainstorms are likely, exposed slope surfaces					
		should be covered by tarpaulin or other means.					
		If excavation in soil cannot be avoided in these months or at any					
		time of year when rainstorms are likely, for the purpose of					
		preventing soil erosion, temporary exposed slope surfaces should be					
		covered e.g. by tarpaulin, and temporary access roads should be					
		protected by crushed stone or gravel, as excavation proceeds.					
		Intercepting channels should be provided (e.g. along the crest / edge					
		of excavation) to prevent storm runoff from washing across exposed					
		soil surfaces. Arrangements should always be in place in such a way					
		that adequate surface protection measures can be safely carried out					
		well before the arrival of a rainstorm.					
S3.4		Sediment tanks of sufficient capacity, constructed from pre-formed	^				
		individual cells of approximately 6 to 8 m^3 capacity, are					
		recommended as a general mitigation measure which can be used					
		for settling surface runoff prior to disposal. The system capacity is					
		flexible and able to handle multiple inputs from a variety of sources					

Implementation Schedule for Water Quality Measures						
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status			
		and particularly suited to applications where the influent is pumped.				
S3.4		Open stockpiles of construction materials (for examples, aggregates,	^			
		sand and fill material) of more than 50 m ³ should be covered with				
		tarpaulin or similar fabric during rainstorms. Measures should be				
		taken to prevent the washing away of construction materials, soil,				
		silt or debris into any drainage system.				
S3.4		Manholes (including newly constructed ones) should always be	^			
		adequately covered and temporarily sealed so as to prevent silt,				
		construction materials or debris being washed into the drainage				
		system and storm runoff being directed into foul sewers.				
S3.4		Precautions to be taken at any time of year when rainstorms are	^			
		likely, actions to be taken when a rainstorm is imminent or forecast,				
		and actions to be taken during or after rainstorms are summarised in				
		Appendix A2 of ProPECC PN 1/94. Particular attention should be				
		paid to the control of silty surface runoff during storm events.				
S3.4		Oil interceptors should be provided in the drainage system and	NA			
		regularly cleaned to prevent the release of oils and grease into the				
		storm water drainage system after accidental spillages. The				
		interceptor should have a bypass to prevent flushing during periods				
		of heavy rain.				
S3.4	S5.8	Wheel Washing Water	^			
		All vehicles and plant should be cleaned before leaving a				
		construction site to ensure no earth, mud, debris and the like is				
		deposited by them on roads. An adequately designed and located				
		wheel washing bay should be provided at every site exit, and				
		wash-water should have sand and silt settled out and removed at				
		least on a weekly basis to ensure the continued efficiency of the				
		process. The section of access road leading to, and exiting from, the				
		wheel-wash bay to the public road should be paved with sufficient				
		backfall toward the wheel-wash bay to prevent vehicle tracking of				
		soil and silty water to public roads and drains.				
S3.4		Drainage	^			
		It is recommended that on-site drainage system should be installed				
		prior to the commencement of other construction activities.				
		Sediment traps should be installed in order to minimise the sediment				
		loading of the effluent prior to discharge into foul sewers. There				
		should be no direct discharge of effluent from the site into the sea.				
S3.4		All temporary and permanent drainage pipes and culverts provided	^			

Implementation Schedule for Water Quality Measures						
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status			
		to facilitate runoff discharge should be adequately designed for the				
		controlled release of storm flows. All sediment control measures				
		should be regularly inspected and maintained to ensure proper and				
		efficient operation at all times and particularly following rain				
		storms. The temporarily diverted drainage should be reinstated to its				
		original condition when the construction work has finished or the				
		temporary diversion is no longer required.				
S3.4		All fuel tanks and storage areas should be provided with locks and	^			
		be located on sealed areas, within bunds of a capacity equal to 110%				
		of the storage capacity of the largest tank, to prevent spilled fuel oils				
		from reaching the coastal waters of the Victoria Harbour WCZ.				
S3.4	S5.8	Sewage Effluent	^			
		Construction work force sewage discharges on site are expected to				
		be connected to the existing trunk sewer or sewage treatment				
		facilities. The construction sewage may need to be handled by				
		portable chemical toilets prior to the commission of the on-site				
		sewer system. Appropriate numbers of portable toilets should be				
		provided by a licensed contractor to serve the large number of				
		construction workers over the construction site. The Contractor				
		should also be responsible for waste disposal and maintenance				
		practices.				
		Notices should be posted at conspicuous locations to remind the				
		workers not to discharge any sewage or wastewater into the				
		surrounding environment. Regular environmental audit of the				
		construction site will provide an effective control of any				
		malpractices and can encourage continual improvement of				
		environmental performance on site. It is anticipated that sewage				
		generation during the construction phase of the project would not				
		cause water pollution problem after undertaking all required				
		measures.				
S3.4		Stormwater Discharges	^			
		Minimum distances of 100 m should be maintained between the				
		existing or planned stormwater discharges and the existing or				
		planned seawater intakes				
S3.4		Debris and Litter	^			
		In order to maintain water quality in acceptable conditions with				
		regard to aesthetic quality, contractors should be required, under				
		conditions of contract, to ensure that site management is optimised				
Implementation Schedule for Water Quality Measures						
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EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status			
		and that disposal of any solid materials, litter or wastes to marine				
		waters does not occur.				
	S5.8	Boring and Drilling Water				
		Water used in ground boring and drilling for site investigation or				
		rock / soil anchoring should as far as practicable be re-circulated				
		after sedimentation. When there is a need for final disposal, the				
		wastewater should be discharged into storm drains via silt removal				
		facilities.				
	S5.8	Acid Cleaning, Etching and Pickling Wastewater				
		Acidic wastewater generated from acid cleaning, etching, pickling				
		and similar activities should be neutralized to within the pH range				
		of 6 to 10 before discharging into				
		foul sewers.				
	S5.8	8 Effluent Discharge ^				
		There is a need to apply to EPD for a discharge licence for discharge				
		of effluent from the construction site under the WPCO. The				
		discharge quality must meet the requirements specified in the				
		discharge licence. All the runoff and wastewater generated from the				
		works areas should be treated so that it satisfies all the standards				
		listed in the TM-DSS. Minimum distance of 100 m should be				
		maintained between the discharge points of construction site effluent				
		and the existing seawater intakes and the planned WSR mentioned in				
		S5.3.1 as appropriate. The beneficial uses of the treated effluent for				
		other on-site activities such as dust suppression, wheel washing and				
		general cleaning etc., can minimise water consumption and reduce				
		the effluent discharge volume. If monitoring of the treated				
		effluent quality from the works areas is required during the				
		construction phase of the Project, the monitoring should be carried				
		out in accordance with the relevant WPCO licence which is under				
		the ambit of regional office (RO) of EPD.				
	S5.8	Accidental Spillage	^			
		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				

Implementation Schedule for Water Quality Measures				
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status	
		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.		
	S5.8	Disposal of chemical wastes should be carried out in compliance	^	
		with the Waste Disposal Ordinance. The Code of Practice on the		
		Packaging, Labelling and Storage of Chemical Wastes published		
		under the Waste Disposal Ordinance details the requirements to deal		
		with chemical wastes. General requirements are given as follows:		
		- Suitable containers should be used to hold the chemical wastes		
		to avoid leakage or spillage during storage, handling and		
		transport.		
	S5.8	- Chemical waste containers should be suitably labelled, to notify	^	
		and warn the personnel who are handling the wastes, to avoid		
		accidents.		
	S5.8	- Storage area should be selected at a safe location on site and	^	
		adequate space should be allocated to the storage area.		

Implementation Schedule for Waste Management Measures				
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status	
\$3.5		<u>Good Site Practices</u> It is not anticipated that adverse waste management related impacts would arise, provided that good site practices are adhered to.		
		activities include:		
S3.5		- Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site.	^	
	S6.7	 Prepare a Waste Management Plan, which becomes a part of the Environmental Management Plan, in accordance with the requirements stipulated in ETWB TC(W) No. 19/2005, approved by the Engineer/Supervising Officer of the Project based on current practices on construction sites. 	^	
\$3.5	S6.7	- Training of site personnel in proper waste management and chemical waste handling procedures.	^	

Implementation Schedule for Waste Management Measures				
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status	
S3.5	S6.7	- Provision of sufficient waste disposal points and regular	^*	
		collection for disposal.		
S3.5	S6.7	- Appropriate measures to minimise windblown litter and dust	^	
		during transportation of waste by either covering trucks or by		
		transporting wastes in enclosed containers.		
S3.5		- A recording system for the amount of wastes generated,	^	
		recycled and disposed of (including the disposal sites).		
	S6.7	- Regular cleaning and maintenance programme for drainage	^	
		systems, sumps and oil interceptors.		
	S6.7	- Training should be provided to workers about the concepts of	^	
		site cleanliness and appropriate waste management procedures,		
		including waste reduction, reuse and recycle.		
S3.5		Waste Reduction Measures		
		Good management and control can prevent the generation of a		
		significant amount of waste. Waste reduction is best achieved at the		
		planning and design stage, as well as by ensuring the		
		implementation of good site practices. Recommendations to achieve		
		waste reduction include:		
S3.5	S6.7	- Sort C&D waste from demolition of the remaining structures to	NA	
		recover recyclable portions such as metals.		
\$3.5	S6.7	- Segregation and storage of different types of waste in different		
		containers, skips or stockpiles to enhance reuse or recycling of		
		materials and their proper disposal.		
S3.5	S6.7	- Encourage collection of aluminium cans, PET bottles and paper	^	
		by providing separate labelled bins to enable these wastes to be		
		segregated from other general refuse generated by the work		
		force.		
\$3.5		- Any unused chemicals or those with remaining functional	^	
		capacity should be recycled.		
S3.5	S6.7	- Proper storage and site practices to minimise the potential for	^	
		damage or contamination of construction materials.		
S3.5		Construction and Demolition Materials		
		Mitigation measures and good site practices should be incorporated		
		in the contract document to control potential environmental impact		
		from handling and transportation of C&D material. The mitigation		
		measures include:		
S3.5		- Where it is unavoidable to have transient stockpiles of C&D	^	
		material within the Project work site pending collection for		

Implementation Schedule for Waste Management Measures					
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status		
		disposal, the transient stockpiles shall be located away from			
		waterfront or storm drains as far as possible.			
S3.5		- Open stockpiles of construction materials or construction	^		
		wastes on-site should be covered with tarpaulin or similar			
		fabric.			
S3.5		- Skip hoist for material transport should be totally enclosed by ^			
		impervious sheeting.			
\$3.5		- Every vehicle should be washed to remove any dusty materials	^		
		from its body and wheels before leaving a construction site.			
\$3.5		- The area where vehicle washing takes place and the section of	^		
		the road between the washing facilities and the exit point should			
		be paved with concrete, bituminous materials or hardcores.			
S3.5		- The load of dusty materials carried by vehicle leaving a	^		
		construction site should be covered entirely by clean			
		impervious sheeting to ensure dust materials do not leak from			
		the vehicle.			
S3.5		- All dusty materials should be sprayed with water prior to any	^		
		loading, unloading or transfer operation so as to maintain the			
		dusty materials wet.			
S3.5		- The height from which excavated materials are dropped should	^		
		be controlled to a minimum practical height to limit fugitive			
		dust generation from unloading.			
S3.5		- When delivering inert C&D material to public fill reception	^		
		facilities, the material should consist entirely of inert			
		construction waste and of size less than 250mm or other sizes			
		as agreed with the Secretary of the Public Fill Committee. In			
		order to monitor the disposal of the surplus C&D material at			
		the designed public fill reception facility and to control fly			
		tipping, a trip-ticket system as stipulated in the ETWB TCW			
		No. 31/2004 "Trip Ticket System for Disposal of Construction			
		and Demolition Materials" should be included as one of the			
		contractual requirements and implemented by an			
		Environmental Team undertaking the Environmental			
		Monitoring and Audit work. An Independent Environmental			
		Checker should be responsible for auditing the results of the			
		system.			
	S6.7	- Plan and stock construction materials carefully to minimize	^		
		amount of waste generated and avoid unnecessary generation			

Implementation Schedule for Waste Management Measures					
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status		
		of waste.			
S3.5		Chemical Waste	^		
		After use, chemical wastes (for example, cleaning fluids, solvents,			
		lubrication oil and fuel) should be handled according to the Code of			
		Practice on the Packaging, Labelling and Storage of Chemical			
		Wastes. Spent chemicals should be collected by a licensed collector			
		for disposal at the CWTF or other licensed facility, in accordance			
		with the Waste Disposal (Chemical Waste) (General) Regulation.			
	S6.7	Separation of chemical wastes for special handling and appropriate	^		
		treatment.			
S3.5		General Refuse	^		
		General refuse should be stored in enclosed bins or compaction units			
		separate from C&D material. A licensed waste collector should be			
		employed by the contractor to remove general refuse from the site,			
		separately from C&D material. Effective collection and storage			
		methods (including enclosed and covered area) of site wastes would			
		be required to prevent waste materials from being blown around by			
		wind, wastewater discharge by flushing or leaching into the marine			
		environment, or creating odour nuisance or pest and vermin			
		problem.			

Implementation Schedule for Landscape and Visual Measures				
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status	
\$3.8.12		All existing trees should be carefully protected during construction.	^	
\$3.8.12		Trees unavoidably affected by the works should be transplanted where practical. Detailed transplanting proposal will be submitted to	NA	
		relevant government departments for approval in accordance with ETWBC 2/2004 and 3/2006. Final locations of transplanted trees		
		should be agreed prior to commencement of the work.		
\$3.8.12		Control of night-time lighting.	^	
\$3.8.12		Erection of decorative screen hoarding.	^	
	S7.9	 <u>Construction Site Control</u> CM1 - Minimized construction area and contractor's temporary works areas. 	^	
		- CM2- Control of night-time lighting and glare by hooding all lights.	^	
		- CM3 - Erection of decorative mesh screens or construction	^	

Implementation Schedule for Landscape and Visual Measures				
EIA for KTD Development Ref.	EIA for KTD - Roads D3A & D4A Ref.	Environmental Protection Measures / Mitigation Measures	Status	
		hoardings around works areas in visually unobtrusive colours.		
		- CM4 - Reduction of construction period to practical minimum.	^	
		- CM5 - Limitation of / Ensuring no run-off into surrounding	^	
		landscape and adjacent seawater areas.		
		- CM6 - Temporary or advance landscape should be provided		
		along the temporary access roads to the Cruise Terminal until		
		such time as road D3 is open.		

Remarks:			
^	Compliance of mitigation measure.	Х	Non-compliance of mitigation measure.
N/A	Not Applicable at this stage.	•	Non-compliance but rectified by the contractor.
N/A(1)	Not observed.		-
*	Recommendation was made during site audit	#	Recommendation was made during audit and to be
	but improved/rectified by the contractor.		improved/ rectified by the contractor.

Mitigation Measures undertaken by the Contractor for site inspections

Date:	09 May 2024	Date:	09 May 2024
Mitigation Measures:	Equipment with NRMM label was used.	Mitigation Measures:	The portable toilets were provided in the construction site.
VIER FS8001 WIER FS9001 WIER FS8001 WIER FS9001 WIER F	are 191 Products Danidard		
Date:	23 May 2024	Date:	30 May 2024
Mitigation Measures:	The use of timber comes from well-managed forests.	Mitigation Measures:	All vehicles have been cleaned before leaving at vehicle every exit point.

Appendix Q – Summaries of Environmental Complaint, Warning, Summon and Notification of Successful Prosecution

Reporting Month: May 2024

Contract No.	Record of Complaint (Yes/No)	Record of Warning (Yes/No)	Notification of Summons and Successful Prosecutions (Yes/No)
ED/2018/01	Yes	No	No

Cumulative Statistics on Complaints, Notification of Summons and Successful Prosecutions up to reporting month

Contract No.	Record of Complaint	Record of Warning	Notification of Summons and Successful Prosecutions
ED/2018/01	17	0	0

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
C0001	A dust complaint was referred from the Contractor on 21 Oct 2020 regarding a public complaint via 1823 hotline (Case no. 3-6518939602) on 20 Oct 2020.	 The water spraying system was not operated in proper time. Stockpile was not covered properly. Haul road was not wetted. Materials transported on trucks were not provided with mechanical covers. 	 <u>Investigation</u> <u>Investigation</u> Based on the information provided by the Contractor on 22 Oct 2020, the water sprinklers system was sprayed every 15 minutes with 70 seconds interval automatically. For the area that water sprinklers system was not covered, manual water spraying was provided. Dump trucks were covered with mechanical cover after loading the materials. The stockpile area was covered by the tarpaulin during night time. Based on the monitoring results on 16 Oct 2020, the 1-hour and 24-hour TSP results were below the Action Levels and Limit Levels. Regular site inspection was conducted by ET on 22 Oct 2020, no adverse observation against the dust impact was recorded. <u>Action taken</u> As per the Contractor, the water sprinkler are now adjusted to start at 8:00am and end at 6:00pm for Monday to Saturday while from 8:00am to 5:00pm on Sunday. Water spraying are set with 5-minute time interval with duration 30-60 seconds. <u>Recommendations</u> To minimize the impact for air quality, mitigation measures should be enhanced specially in dry seasons are recommended: Increase the frequency and duration for automatic water spraying system. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted by water trucks or manually in regular basis. Ensure stockpiling sites should be lined with impermeable sheeting and bunded. Stockpiles should be fully covered by impermeable sheeting at all time except during working process. 	 Closed-out on 5 Nov 2020. No further complaint was received. 	
C0002	A dust complaint was referred from the Contractor on 8 Sep 2021 through E-Mail regarding a complaint	Complaint of dust problem at the pavement of Muk Tai Street near Sports Park.	InvestigationAs per contractor, part of the complaint area was within the site boundary of the project.1. Manual water spraying was provided.2. The exposed surface and stockpile areas were covered by the impermeable	 Closed-out on 4 Oct 2021. No further complaint 	

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
	received by EPD (EPD ref.: K19/RE/00021205-21) on 7 Sep 2021.		 tarpaulin sheet. <u>Action taken</u> The exposed surface and stockpile area was covered by the impermeable tarpaulin sheet. <u>Recommendations</u> There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however the contractor is recommended to implement the following measures to minimize the impact for air quality: Ensure stockpiling sites should be lined with impermeable sheeting and bunded. Stockpiles should be fully covered by impermeable sheeting at all time except during working process. Ensure the work fulfill the relevant statutory requirements on control of air pollution. Take necessary measures to minimize the environmental nuisance arising 	was received.	
C0003	A water discharge complaint was referred from the Contractor on 10 Dec 2021 through E-Mail regarding a complaint received by EPD (ref.: K19/RE/00029046-21) on 9 Dec 2021.	Complaint of muddy water being discharged into the sea of To Kwa Wan Typhoon Shelter via a DSD outfall near the roundabout of Shing Fung Road.	 <u>Investigation</u> Joint site inspection was conducted by ER, IEC, ET and the contractor on 14 Dec 2021, no adverse observation against the water impact was recorded. There was no muddy water discharge to DSD outfall near the roundabout of Shing Fung Road. The sandbag with layers and filter were provided at the manholes. Action taken Sandbags and filter were used to block the manholes. Manholes had been adequately covered and replace the filter frequently. Recommendations There was no direct evidence showing that the water nuisance was caused by the contractor at the complaint area. 	 Closed-out on 5 Jan 2022. No further complaint was received. 	

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
			 Some of muddy water generated from wheel washing might be flow to the outfall inside the site boundary, however the contractor had taken the mitigation measure by using sandbag and filter to ease the nuisance. The contractor is recommended to implement the following measures to minimize the impact for waste water: 1. Enhance the sandbag with several layers instead of one layer only and replace the filter frequently. 2. Modify the wheel washing area such that the muddy water will be directly flow to the pit and then waste water treatment facility. 3. Take necessary measures to minimize the environmental nuisance arising from the construction site. 		
C0004	A dust complaint was received by EPD on 16 Dec 2022. Contractor received Notification of Environmental Complaints from EPD (ref.: K19/RE/00029136-22) by E-Mail on 22 Dec 2021.	Complaint of mud/ silt being brought out by vehicles from the project site casing mud/silt accumulation on Shing Fung Road.	 Investigation Regular site inspection was conducted by ET on 29 Dec 2022. As per the Contractor, mud / slit generated from nearby construction sites might be brought to Shing Fung Road roundabout. No adverse observation against the dust impact was recorded during site inspection. Action taken Watering manually frequently. Haul Road surfaces were wetted by water truck. Wheel washing for the trucks and vehicles before leaving the project site. Recommendations Increase the frequency and duration for automatic water spraying system. Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted by water trucks or manually in regular basis. Regular wash and clean the share haul road and roundabout in Shing Fung Road. 	 Closed-out on 13 Jan 2023. No further complaint was received. 	

Complaint Log for ED/2018/01						
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation /	Actions taken / Recomme	endations	Close-Out Date / Status
			 muddy water after the whee and wastewater treatment fa 5. Ensure stockpiling sites s bunded. Stockpiles should time except during working 6. Dusty materials transported 	el washing should be dired acility before discharging should be lined with in be fully covered by im process. I on truck shall be covered	cted to sedimentation tank to gully. npermeable sheeting and permeable sheeting at all	
C0005	A noise complaint was received by EPD on 21 Dec 2022. Contractor received Notification of Environmental Complaints from EPD (EPD ref.: K19/RE/00029422-22) on 22 Dec 2022.	Complaint of construction noise arising from the project site near Shing Kai Toad and Muk Tai Street continued to 01:30 am on 21 Dec 2022.	Investigation Regular site inspection was con 1. As per the Contractor, the not conclude the complaint 2. Status of CNPs in the wor were checked and all of the Construction Noise Permit GW-RE1297-22 GW-RE1299-22	iducted by ET and the Cor complaint was still under related to the project site rks area near Shing Kai I m were valid. Valid Form 10 Dec 2022 17 Dec 2022	ntractor on 29 Dec 2022 er investigation and could or not. Road and Muk Tai Street Valid Till 08 Jun 2023 15 Jun 2023	- During the SSMEC meeting on 10 Jan 2023, the Contractor explained that the noise complaint case has
	IEC received the notification on 22 Dec 2022 from EPD and forwarded the notification to CEDD, Contractor, ER and ET on same day.		 Trainings for CNP were pro No construction activities without valid CNP. <u>Recommendations</u> To minimize the impact for recommended: Training to new staff and reconvironmental issues. Regularly check the status of th	were allowed in the restri- were allowed in the restri- or construction noise, r egular enhance training for of ALL CNP and other env	Dec 2022. cted hours for those areas mitigation measures are or staff for CNP and other vironmental permits.	already passed to head office and waiting for the Legal opinion. No further informatio n could be provided for Incident Report on

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
C0006	A dust complaint was	Complaint of	Investigation	Complaint Investigati on at that moment. - Under investigati on in the reporting month. - Closed-out	
	received by EPD on 6 Dec 2022. Contractor (POC) received Notification of Environmental Complaints from EPD (ref.: K19/RE/00027862-22) by E-Mail on 7 Dec 2022. IEC received the notification on 19 Jan 2023 and forwarded the notification to CEDD, ER and ET on same day.	construction dust arising from construction sites along Shing Fung Road.	 Site inspections were conducted by ET on 26 Jan 2023 and joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 8 Feb 2023. The concerned area (roundabout) is the common road for public vehicles. In addition, construction vehicles from several nearby construction sites also use the concerned road, especially a lots of dump trucks. Construction vehicles from Contractor (POC) project site are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. Worker of sub-contractor from Contractor (POC) wetted the part of the concerned road surface during the site inspection on 8 Feb 2023 to suppress dust emission. No construction works was observed on 26 Jan 2023 and no adverse observation against the dust impact were found during the site inspection on both dates. Action taken Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. Wheel washing for the trucks and vehicles before leaving the project site directly through Shing Fung Road exit. Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. 	on 16 Mar 2023.	

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
			 <u>Recommendations</u> There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality: Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted manually in regular basis. Regular wash the share haul road and roundabout in Shing Fung Road. Wheel washing for the trucks and vehicles before leaving the project site. The muddy water after the wheel washing should be directed to sedimentation tank and wastewater treatment facility before discharging to gully. Dusty materials transported on truck shall be covered. 		
C0007	A dust complaint was received by EPD on 19 Jan 2023. Contractor (POC) received Notification of Environmental Complaints from EPD (ref.: K19/RE/00001988-23) by E-Mail on 2 Feb 2023. IEC received the notification on 2 Feb 2023 and forwarded the notification to CEDD, ER and ET on the same day.	Complaint of dusty environment at the new road connecting Shing Fung Road and Shing Kai Road caused by vehicles from construction sites nearby.	 <u>Investigation</u> Joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 8 Feb 2023. 1. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. 2. Construction vehicles from POC are not allowed leaving the site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. 3. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 4. Worker of sub-contractor from Contractor (POC) wetted the part of the concerned road surface during the site inspection on 8 Feb 2023 to suppress dust emission. 5. No adverse observation against the dust impact were found during the site inspection along the new road. <u>Action taken</u> 1. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. 	- Closed-out on 16 Mar 2023.	

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
			 Wheel washing for the trucks and vehicles before leaving the project site. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 		
			 <u>Recommendations</u> There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality: Main haul road and the area that water sprinklers system was not covered in the construction site should be wetted by water trucks or manually in regular basis. Regular wash the share haul road in Shing Fung Road. Wheel washing for the trucks and vehicles before leaving the project site. The muddy water after the wheel washing should be directed to sedimentation tank and wastewater treatment facility before discharging to gully. Dusty materials transported on truck shall be covered. 		
C0008	A dust complaint was received by EPD on 13 Feb 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00003909-23) by E-Mail on 17 Feb 2023 and forwarded the E-mail to ER, ET and IEC on same day.	Complaint of silt / mud accumulation on the new road connecting Shing Fung Road and Shing Kai Road caused by vehicles from construction sites nearby.	 <u>Investigation</u> Joint site inspection was conducted by Contractor (POC), ER, ET and IEC on 23 Feb 2023 and regular site inspection was conducted by Contractor (POC), ER and ET on 2 Mar 2023. 1. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust nuisance. 2. Construction vehicles from POC are not allowed leaving the site to Shing Fung Road directly with barriers blocked since 21 Jan 2023. 3. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 4. As per Contractor (POC), EPD conducted site visit on 16 Feb 2023. 5. No adverse observation against the dust / muddy water impact were found 	- Closed-out on 29 Mar 2023.	

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
			during the site inspection on both dates.		
			<u>Action taken</u>		
			1. Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023.		
			2. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023.		
			3. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly.		
			4. Wheel washing for the trucks and vehicles before leaving the project site.		
			5. As per instruction from CEDD and AECOM, road washing along the new road		
			(connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by		
			water truck was conducted once a week as follow:		
			Date Road Washing by		
			8 Mar 2023 Sweeper truck with water spraying truck		
			9 Mar 2023 Sweeper truck with water spraying truck		
			14 Mar 2023 Sweeper truck with water spraying truck		
			22 Mar 2023 Sweeper truck with water spraying truck		
			6. During the two site inspections, mitigation measures implemented by the		
			Contractor (POC) were found properly based on existing site condition and		
			resources.		
			Recommendations		
			There was no direct evidence showing that the dust nuisance was caused by the		
			contractor at the complaint area, however Contractor (POC) is recommended to		
			implement the following measures to minimize the impact for air quality:		
			1. Main haul road and the area that water sprinklers system was not covered in		
			the construction site should be wetted by water trucks or manually in regular		
			2. Regular wash the share haul road in Shing Fung Koad.		
			3. Dusty materials transported on truck shall be covered.		

Complaint Log for ED/2018/01						
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investig	ation / Actions taken / Recommendations	Close-Out Date / Status	
C0009	A dust complaint was received by EPD on 15 Feb 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00004280-23) by E-Mail on 22 Feb 2023 and forwarded the E-mail to ER, ET and IEC on same day.	Complaint of mud / silt being brought out by vehicles from construction site at Shing Fung Road roundabout (near Lamp Post DF4831) causing mud / silt accumulation along Shing Fung Road.	 <u>Investigation</u> Joint site inspection was Feb 2023 and regular site ET on 2 Mar 2023. 1. The concerned area Road) has been open since 31 Dec 2022. concerned road. Those 2. Construction vehicles Road directly with ba 3. Contractor (POC) H construction site (Ga activities since 4 Feb 4. As per Contractor (POC) 5. No adverse observat inspection on both da 	 conducted by Contractor (POC), ER, ET and IEC on 23 inspection was conducted by Contractor (POC), ER and (new road connecting Shing Fung Road & Shing Kai for public vehicles (not only project related vehicles) Vehicles from nearby construction sites also used the e are the possible sources of dust nuisance. from POC are not allowed leaving the site to Shing Fung rriers blocked since 21 Jan 2023. nas restricted the construction vehicles from nearby mmon site) using this site entrance for any construction 2023. DC), EPD conducted site visit on 16 Feb 2023. ion against the dust impact were found during the site tes. 	- Closed-out on 29 Mar 2023.	
			<u>ACTION taken</u>	from Contractor (POC) are not allowed leaving the site		
			to Shing Fung Road 2023.	directly as the exit was blocked by barriers since 21 Jan		
			2. Contractor (POC) 1 construction site (Ga activities since 4 Feb	has restricted the construction vehicles from nearby mmon site) using this site entrance for any construction 2023.		
			3. Haul Road surfaces v regularly.	vere wetted manually and washed the dusty water barrier		
			4. Wheel washing for th	e trucks and vehicles before leaving the project site.		
			5. As per instruction fro	m CEDD and AECOM, road washing along the new road		
			(connecting Shing Fu	ing Road and Shing Kai Road) and Shing Fung Road by		
			water truck was cond	ucted once a week as follow:		
			Date 8 Mar 2023	Koad wasning by Sweeper truck with water spraving truck		
L			0 Ivial 2023	Sweeper nuck with water spraying nuck		

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investig	ation / Actions taken / Recommendations	Close-Out Date / Status
C0010 4	A dust and muddy water complaint was received by Hotline 1823 on 9 Mar 2023. ER received the transfer from the Hotline 1823 on 9 Mar 2023 and forwarded the E-mail to Contractor (POC), ET and IEC on same day.	Complaint of dusty environment at the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road roundabout. Worker wetted the road surface and might cause mud / silt problem.	9 Mar 2023 14 Mar 2023 22 Mar 2023 6. During the two site Contractor (POC) weresources. Recommendations There was no direct evide contractor at the complating implement the following 1. Main haul road and the construction site basis. 2. Regular wash the shad 3. Dusty materials transt Investigation Joint site inspection was 2023 and 23 Mar 2023. 1. The concerned area Road) has been ope since 31 Dec 2022. concerned road. Thomage 2. Construction vehicle Road directly with bas 3. Contractor (POC) construction site (Gaactivities since 4 Feb) 4. The sandbags were p 5. No adverse observar during the site inspector	Sweeper truck with water spraying truck Sweeper truck with water spraying truck Sweeper truck with water spraying truck e inspections, mitigation measures implemented by the ere found properly based on existing site condition and dence showing that the dust nuisance was caused by the int area, however Contractor (POC) is recommended to measures to minimize the impact for air quality: the area that water sprinklers system was not covered in should be wetted by water trucks or manually in regular are haul road in Shing Fung Road. conducted by Contractor (POC), ER, and ET on 16 Mar (new road connecting Shing Fung Road & Shing Kai n for public vehicles (not only project related vehicles) Vehicles from nearby construction sites also used the se are the possible sources of dust nuisance. s from POC are not allowed leaving the site to Shing Fung arriers blocked since 21 Jan 2023. has restricted the construction vehicles from nearby ummon site) using this site entrance for any construction 2023. rovided around the manholes. tion against the dust / muddy water impact were found tion on both dates.	- Closed-out on 6 Apr 2023.

Complaint Log for ED/2018/01					
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status	
Ref. No.	Date of Complaint	Complaint	Investigation / Actions taken / Recommendations 1. Construction vehicles from Contractor (POC) are not allowed leaving the site to Shing Fung Road directly as the exit was blocked by barriers since 21 Jan 2023. 2. Contractor (POC) has restricted the construction vehicles from nearby construction site (Gammon site) using this site entrance for any construction activities since 4 Feb 2023. 3. Haul Road surfaces were wetted manually and washed the dusty water barrier regularly. 4. Wheel washing for the trucks and vehicles before leaving the project site. 5. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow: Date Road Washing by 8 Mar 2023 Sweeper truck with water spraying truck 9 Mar 2023 Sweeper truck with water spraying truck 14 Mar 2023 Sweeper truck with water spraying truck 2 Mar 2023 Sweeper truck with water spraying truck 6. The sandbags were provided around the manholes. 7. 7. During the two site inspections, mitigation measures implemented by the Contractor (POC) were found properly based on existing site condition and resources. Recommendations There was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air and water quality: <td>Date / Status</td>	Date / Status	
			 Dusty materials transported on truck shall be covered. Enhance the sandbags with several layers of filters and replace the filter frequently. 		
C0011	A muddy water complaint was received	Complaint of water being sprayed onto	Investigation Joint site inspection was conducted by Contractor (POC), ER and ET on 23 Mar	- Closed-out on 6 Apr	

Complaint Log for ED/2018/01				
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
	by EPD on 9 Mar 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00004280-23) by E-Mail on 22 Feb 2023 and forwarded the E-mail to ER, ET and IEC on same day.	vehicles passing by and mud / silt being washed into roadside gully near Shing Fung Road roundabout.	 2023. 1. The concerned area (new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 Dec 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust / mud / silt nuisance. 2. The sandbags were provided around the manholes. 3. No adverse observation against the muddy water impact were found during the site inspection on both dates. <u>Action taken</u> 1. As per Contractor (POC), no manually road surfaces watering on Shing Fung Road after receiving complaint (16 Mar 2023). 2. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once a week as follow: <u>Date Road Washing by</u> 8 Mar 2023 8 Sweeper truck with water spraying truck 14 Mar 2023 9 Sweeper truck with water spraying truck 22 Mar 2023 23 Sweeper truck with water spraying truck 34 Mar 2023 9 Sweeper truck with water spraying truck 35 The sandbags were provided around the manholes. 36 Recommendations There was no direct evidence showing that the muddy water nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air and water quality: 1. Enhance the sandbags with several layers of filters and replace the filter frequently. 	2023.
C0012	A dust complaint was received by EPD on 31 May 2023.	Complaint of silt / mud accumulation on the new road connecting	<u>Investigation</u> Joint site inspection was conducted by Contractor (POC), ER and ET on 8 June 2023.	- Closed-out on 19 June 2023.

Complaint	Log for ED/2018/01							
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status				
	Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00013488-23) by E-Mail on 6 June 2023 and forwarded the E-mail to ER, ET and IEC on same day.	Shing Fung Road and Shing Kai Road caused by vehicles from construction site nearby.	 As per Mr. Tony Tang from POC, the concerned area was the section of Shing Fung Road at the entrance of Gammon site accommodation. The new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 December 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust / silt nuisance. As per Mr. Tony Tang from POC, recycled water was used in wheel washing machine near the entrance of Gammon site. Those are the possible sources of mud nuisance. No adverse observation against the dust impact were found during the site inspection. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted twice a week start from 11 May 2023. 					
			Road by water fidek was conducted twice a week start from 11 May 2023.DateRoad Washing by19 May 2023Sweeper truck with water spraying truck23 May 2023Sweeper truck with water spraying truck25 May 2023Sweeper truck with water spraying truck30 May 2023Sweeper truck with water spraying truck2 June 2023Sweeper truck with water spraying truck6 June 2023Sweeper truck with water spraying truck9 June 2023Sweeper truck with water spraying truck13 June 2023Sweeper truck with water spraying truck2. Wheel washing for the vehicles before leaving the construction site.Becommendations					
			RecommendationsThere was no direct evidence showing that the dust nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for air quality:1. Regular wash the share haul road in Shing Fung Road and Shing Kai Road.2. Dusty materials transported on truck should be covered.					

Complaint Log for ED/2018/01							
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status			
C0013	A water complaint was received by EPD on 19 June 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00014944-23) by E-Mail on 29 June 2023 and forwarded the E-mail to ER, ET and IEC on 4 July 2023.	 Complaint of muddy water being discharged into Kai Tak Approach Channel on 18 Jun 2023. Complaint of construction work being conducted on the Sunday of 18 Jun 2023. 	 <u>Investigation</u> Joint site inspection was conducted by Contractor (POC), ER and ET on 6 Jul 2023. As per Mr. Tony Tang from POC, the concerned area was the section of Shing Fung Road at the nearby channel. Heavy raining was recorded on 18 Jun 2023. The recorded rainfall was 35.8mm (sourced from manned weather station of Hong Kong Observatory at <u>https://www.hko.gov.hk/en/cis/dailyExtract.htm?y=2023&m=6</u>). The implication of heavy rainfall storm runoff might wash across the exposed soil surfaces which was direct muddy water discharge. This is the possible source of water nuisance. As per Mr. Tony Tang from POC, no construction work was conducted on 18 Jun 2023. Based on the attendance record, 6 employees including 4 watchman, labourer and driver, were on site on 18 Jun 2023 and they were not involved in the construction work. In the joint site inspection, no construction work was conducted on the nearby channel. No adverse observation against the muddy water impact were found during the site inspection on 14 and 20 June 2023, and 6 July 2023. The sedimentation tank and wastewater treatment plant are operating efficiently during the site inspection. 	- Closed-out on 2 Aug 2023.			
			 <u>Action taken</u> The ditch is maintained regularly and excavated deeper by workers. Pumps are placed at the ditch to prevent flooding and overflow. Enhanced training for site workers to prevent flushing during heavy rain by placing pumps in the ditch to prevent flooding and overflow during periods of heavy rain during Tool- Box-Talk training. <u>Recommendations</u> There was no direct evidence showing that the muddy water nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for 				

Complaint	Log for ED/2018/01			
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
			 water quality: 1. Regular cleaning and maintenance drainage systems at the nearby Kai Tak Approach Channel. 	
C0014	A polluting discharge complaint was received by EPD on 16 October 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00024581-23) by E-Mail on 19 October 2023 and forwarded the E-mail to ER, ET and IEC on 21 October 2023.	- Complaint of polluting discharge from the construction site of Stage 4 Infrastructure at the Former Runway and South Apron, Kowloon City ("illegal discharge from kai tak 6577 construction site the main contractor should be hip hing)	 <u>Investigation</u> Joint site inspection was conducted by Contractor (POC), ER and ET on 26 October 2023. The concerned area is near at Former Runway and South Apron, Kowloon City. Those are the possible sources should be illegal discharge from Kai Tak 6577 construction site which the main contractor should be hip hing. The possible source of polluting discharge does not come from the Contractor (POC). No adverse observation against the muddy water impact were found during the site inspection on dates. No surface runoff is observed, and the sedimentation tank and wastewater treatment plant were implemented normally. Action taken As per Contractor (POC), no wastewater generated at concerned area and ensure fulfil the conditions stipulated in the valid WPCO licence after receiving complaint (16 October 2023). The effluent discharge has been implemented properly. The silt curtain has been installed around the construction activities at the concerned area. (referring to Photo 2) The sedimentation tank and wastewater treatment has been implemented properly. The pump has been installed and collected sewage at the channel which can minimize water quality impacts and prevent overload the foul sewage system. (referring to Photo 3) The channel and ditches have been clear after receiving complaint. 	- Closed-out on 15 November 2023.

Complaint Log for ED/2018/01								
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status				
			 There was no direct evidence showing that the muddy water nuisance was caused by the contractor at the complaint area, however Contractor (POC) is recommended to implement the following measures to minimize the impact for water quality: The silt removal facilities, channels and manholes should be maintained regularly. The silt curtain and equipment should be properly maintained. 					

Complaint	Log for ED/2018/01			
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
C0015	A dust complaint was received by EPD on 12 December 2023. Contractor (POC) received the Notification of Environmental Complaints from EPD (ref.: K19/RE/00030287-23) by E-Mail on 19 December 2023 and forwarded the E-mail to ER, ET and IEC on 20 December 2023.	- Complaint of construction dust nuisance on Shing Fung Road.	Investigation Joint site inspection was conducted by Contractor (POC), ER, and ET on 21 December 2023. 1. As per the email clarified by Mr. Tony Tang from POC on 20 December 2023, the concerned area (section of Shing Fung Road) was the junction of Road D3 and gate 2A& 2B. 2. The new road connecting Shing Fung Road & Shing Kai Road) has been open for public vehicles (not only project related vehicles) since 31 December 2022. Vehicles from nearby construction sites also used the concerned road. Those are the possible sources of dust / silt nuisance. The non-project of stockpiles is founded near the concerned road during the site inspection. 3. As per Mr. Tony Tang from POC, recycled water was used in wheel washing machine near the entrance of Gammon site. The washing facilities and regular road watering are implemented. 4. No adverse observation against the dust impact were found during the site inspection. The washing facilities and dust control measures are implemented properly. Action taken 1. As per instruction from CEDD and AECOM, road washing along the new road (connecting Shing Fung Road and Shing Kai Road) and Shing Fung Road by water truck was conducted once per week in December 2023.	- 17 January 2024

Complaint Log for ED/2018/01								
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investig	Investigation / Actions taken / Recommendations				
			07 December 2023	07 December 2023 Sweeper truck with water spraying truck				
			16 December 2023	Sweeper truck with water spraying truck				
			21 December 2023	Sweeper truck with water spraying truck				
			29 December 2023	Sweeper truck with water spraying truck				
			2. Wheel washing	for the vehicles before leaving the construction site.				
			Recommendations					
			There was no direct evi	dence showing that the dust nuisance was caused by the				
			contractor at the compla	int area, however Contractor (POC) is recommended to				
			implement the following	measures to minimize the impact for air quality:				
			1. Regular wash the share haul road in Shing Fung Road and Shing Kai Road.					
			2. Dusty materials transported on truck should be covered.					

Complaint	Log for ED/2018/01										
Complaint Ref. No.	Date of Complaint	Description of Complaint			Investigati	ion / Actio	ns taken / H	Recommend	ations		Close-Out Date / Status
C0016	A dust complaint was received by Hotline 1823 on 20 May 2024. ER (AECOM) and Contractor (POC) received the transferred from Hotline 1823 (Case No. 3-8226038234) on 20 May 2024 and forwarded the E-mail to ET, and IEC on same day.	- The dust emission generated from a excavator near EVA No. 10 which affecting the surrounding residents. The complainant also expressed doubt the effectiveness of implementation of environmental management system.	<u>Inv</u> Join Ma	 Investigation Joint site inspection was conducted by Contractor (POC), ER, and ET on 2 May 2024. The complaint is not directly project-related since C&D stockpilir works from nearby construction sites. Those are the possib sources of dust nuisance. As per the email reply by Mr. Tony Tang from POC on 21 Ma 2024, the concerned area (section of Shing Fung Road) was nea EVA No. 10. The POC proposed to implement measures fe mitigate the dust nuisance. The nearest surrounding resident to the concerned area is 580.23n As per Mr. Tony Tang from POC, POC will provide a work starting from 22 May 2024 to spray water at the concerned locatic (Near EVA No. 10) within office hour to suppress dust emission r matter there is any loading or unloading of dusty materials si activities. Based on the monitoring results on 20 May 2024, 1-hour at 					d ET on 23 stockpiling e possible on 21 May) was near casures for c 580.23m. e a worker ed location mission no iterials site l-hour and d Limit as	- Closed-out on 04 June 2024	
					A	M3	AM	[4(A)	A	M7	
					1-hour TSP	24-hour TSP	1-hour TSP	24-hour TSP	1-hour TSP	24-hour TSP	
				Measured result	44 -48	42	56-63	/	53 - 57	54	
				$(\mu g/m^3)$							
				Action	297	182	326	187	315	181	
				Level							
				$(\mu g/m^3)$							

Complaint	Log for ED/2018/01										
Complaint Ref. No.	Date of Complaint	Description of Complaint		Investigation / Actions taken / Recommendations							Close-Out Date / Status
		•		Limit	500	260	500	260	500	260	
				Level							
				(ug/m^3)							
				(PB)							
			6.	The effect implemente	tiveness ed has bee	of the n reviewe	enviror ed.	nmental	managem	ent system	
			7.	No adverse	observatioi	n against ti	he dust imp	bact were f	ound during	g the site	
				inspection.	I'he dust c	ontrol me	easures are	e impleme	nted prope	erly.	
			$\frac{Act}{1}$	<u>10n taken</u> Regularly m	onitor all t	ha Doward	d Machani	onl Equips	oont (DME)	to ensure no	
			1.	deals are also		lie roweit		icai Equipi	lient (FWIE)	to ensure no	
				dark smoke	emission.	1 1		1	. 1		
			2.	Arrange to c	over the st	ockpile wi	ith tarpauli	n sheet to p	brevent dus	t emission.	
			3.	Arrange res	ources to s	spray wate	er during e	excavator le	bading and	unloading of	
				dusty materi	al which h	ave includ	ing fill ma	terial and s	ub-base.		
			Rec	commendatio	<u>ns</u>						
			The	ere was no d	irect evide	nce show	ing that the	e dust nuis	ance was o	caused by the	
			con	tractor at the	e complain	it area, ho	wever Con	ntractor (P	OC) is reco	ommended to	
			imp	element the fo	ollowing m	easures to	minimize	the impact	for air qual	lity:	
			1.	The share ha	ul road in	Shing Fun	ig Road sh	ould be wa	shed regula	rly.	
			2.	Dust mitigat	ion contro	l should be	e done at th	ne work site	e 8 times pe	er day.	
			3.	Stockpiling	sites shoul	d be lined	with imper	meable sh	eeting and b	ounded.	
			4.	Stockpiles s	hould be	fully cove	red by im	permeable	sheeting to	o reduce dust	
				emission.		-		-	č		

Complaint	Log for ED/2018/01			
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status
C0017	A waste management complaint was received by Hotline 1823 on25 May 2024. The public complaint is received via 1823 (Case No.: 3-8234938050) on 25 May 2024 and forwarded by CEDD on 27 May 2024, and forwarded to ER, Contractor, ET and IEC.	- Rodent problem at the junction of Shing Kai Road & Shing Fung Road	 Investigation Joint site inspection was conducted by Contractor (POC), ER, IEC and ET on 30 May 2024. 1. Accumulation of waste was found in the concerned area, the grade road (Shing Kai Road to NAR) and the junction of Road D3 (Shing Kai Road Junction). 2. No trace of rats was found during inspection but flies were present. 3. Waste management measures were not implemented properly. There were no sufficient waste disposal points and regular dispose of waste at the concerned area. 4. The complaint was project-related as improper disposal of waste could lead to occurrence of rats. Action taken Poisonous rat bait was placed within the site boundary. Workers received regular briefing about proper waste management. The general waste was collected and removed after site inspection on 30 May 2024. 	- Closed-out on 04 June 2024
			RecommendationsThere was related evidence showing that the waste nuisance at the concerned areawas caused by the Contractor (POC). However, it is recommended to implementthe following measures to minimize the impact of waste accumulation1.Multiple waste disposal points should be set up for proper waste storage.2.Frequency of waste cleaning and collection should be increased to	

Complaint	Complaint Log for ED/2018/01								
Complaint Ref. No.	Date of Complaint	Description of Complaint	Investigation / Actions taken / Recommendations	Close-Out Date / Status					
			 prevent waste accumulation. 3. Training should be provided to workers about the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycle. 						