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Contract No. AL G513

Expansion of Wo Hop Shek Crematorium

Monthly EM&A Report No.21 (Period from 01 November to 30 November 2021)

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CONTENTS

Exe	cutive Summary	1
1.	Basic Project Information	3
2.	Monitoring Results	9
3.	Waste	4
4.	Ecological Monitoring	8
5.	Landscape And Visual Impacts	8
	Summary of Monitoring Exceedance, Complaints, Notification of Summons and Prosecution	
7.	EM&A Site Inspection	1
8.	Future Key Issues	3
9	Conclusions and Recommendations	4

Appendix A	Master Programme

- Appendix B Work Area for the Contract No. AL G513
- Appendix C Summary of Implementation Status of Environmental Mitigation
- Appendix D Impact Monitoring Schedule of the Reporting Month
- Appendix E Event/Action Plan for Dust Exceedance
- Appendix F Dust Monitoring Equipment Calibration Certificate
- Appendix G The Certification of Laboratory with HOKLAS Accredited Analytical Tests
- Appendix H Location Plan of Air Quality Monitoring Station
- Appendix I Dust Monitoring Data
- Appendix J Waste Flow Table
- Appendix K Site Inspection Proforma
- Appendix L Statistics on Complaint, Notifications of Summons and Successful Prosecutions
- Appendix M Impact Monitoring Schedule of Next Reporting Month
- Appendix N Transportation Routes to/from the site
- Appendix O Lab Report

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EXECUTIVE SUMMARY

INTRODUCTION

- A1. The Project, Expansion of Wo Hop Shek Crematorium, is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 499) (EIAO) and is currently governed by a Environmental Permit (EP No. EP – 329/2009) for the construction and operation of the Project.
- A2. In accordance with the Environmental Monitoring and Audit (EM&A) Manual for the Project, EM&A works for air quality monitoring and waste management should be carried out by Environmental Team (ET), Acuity Sustainability Consulting Limited (ASCL), during the construction phase of the Project.
- A3. This is the 21st Monthly EM&A Report, prepared by ASCL, for the Project summarizing the monitoring results and audit findings of the EM&A programme at and around Wo Hop Shek Crematorium during the reporting period from 01 November 2021 to 30 November 2021.
- A4. The EM&A programme for this contract has covered environmental monitoring on construction dust level at selected NSRs and Contractor's environmental performance auditing in the aspects of construction dust, construction noise, water quality, waste management, Landscape and Visual and Ecology.

SUMMARY OF MAIN WORKS UNDERTAKEN & KEY MITIGATION MEASURES IMPLEMENTED

- A5. Key activities carried out in this reporting period for the Project included the following:
 - Fitting out
 - 1. Interior fitting out works
 - 2. Suspended Ceilings
 - 3. Steel and metal works
 - Construction to pedestrian pavement
- A6. The major environmental impacts brought by the above construction works include:
 - Construction noise generation from fitting out and pedestrian pavement activities
 - Wastewater generation from pedestrian pavement activities
 - Waste generation from fitting out and pedestrian pavement activities
- A7. The key environmental mitigation measures implemented for the Project in this reporting period associated with the above construction works include:
 - Reducing noise from equipment and machinery on-site by enclosing the construction site with plastic barrier and moving equipment and machinery inside the constructed building
 - Treatment of wastewater from pedestrian pavement activities through sedimentation tank, wastewater was reused on-site and was not discharged
 - Sorting and storage of general refuse and construction waste



SUMMARY OF EXCEEDANCE & INVESTIGATION & FOLLOW-UP

- A8. No project-related exceedance in air quality monitoring, including 24-hour TSP and 1-hour TSP of the Action Level was recorded during the reporting period.
- A9. Weekly site inspections of the construction work by ET were carried out on 03, 12, 17 and 24 November 2021 to audit the mitigation measures implementation status. Observations were recorded in the site inspection checklists and provided to the contractors together with the appropriate follow-up actions where necessary.

COMPLAINT HANDLING AND PROSECUTION

- A10.No project-related environmental complaint was received during the reporting period.
- A11.Neither notifications of summons nor prosecution was received for the Project.

Reporting Change

A12. There was no change to be reported that may affect the on-going EM&A programme.

SUMMARY OF UPCOMING KEY ISSUES AND KEY MITIGATION MEASURES

- A13.Key activities anticipated in the next reporting period for the Project will include the following:
 - Fitting out
 - 1. Steel and metal works
 - 2. Interior fitting works
 - Construction to pedestrian pavement
 - Re-instate to pedestrian pavement & EVA
- A14. The major environmental impacts brought by the above construction works will include:
 - Construction noise generation from fitting out and pedestrian pavement activities
 - Wastewater generation from pedestrian pavement activities
 - Waste generation from fitting out and pedestrian pavement activities
- A15. The key environmental mitigation measures for the Project in the coming reporting period associated with the above construction works will include:
 - Reducing noise from equipment and machinery on-site by enclosing the construction site with plastic barrier and moving equipment and machinery inside the constructed building
 - Treatment of wastewater from pedestrian pavement activities through sedimentation tank, wastewater would be reused on-site and not be discharged
 - Sorting and storage of general refuse and construction waste



1. BASIC PROJECT INFORMATION

1.1. BACKGROUND

The Food and Environmental Hygiene Department (FEHD) is responsible for the operation of public crematorium in Hong Kong including the Cremators at Wo Hop Shek Crematorium pursuant to Environmental Permit No. EP-329/2009. The existing Wo Hop Shek Crematorium (WHSC) was re-provisioned in February 2013. It comprises six body cremators, one bone cremator and three service halls. At the design stage, areas had already been reserved for the addition of two body cremators and one service hall. In order to cope with increasing demand for cremation sessions, Expansion of Wo Hop Shek Crematorium (the Project) is being taken forward in this juncture. This Project shall provide two new cremators at WHSC and one service hall for commissioning. Architectural Services Department (ArchSD) acts as the works agent for FEHD, is responsible for the project management of the project.

The Project consists of three construction phases. Phase I of the project was substantially completed in October 2012 while Phase II of the project was substantially completed in November 2013. The Project has been re-initiated as Phase III and Shing Hing Construction Co. Ltd. (the Contractor) has been awarded the construction contract for the Project with contract no. AL G513.

The scope of the Project comprises provision of:

- Two new body cremators;
- One new multi-purpose service hall;
- A full range of ancillary facilities; and
- Addition, alteration and modification works that are necessary for the additional cremators and service hall.

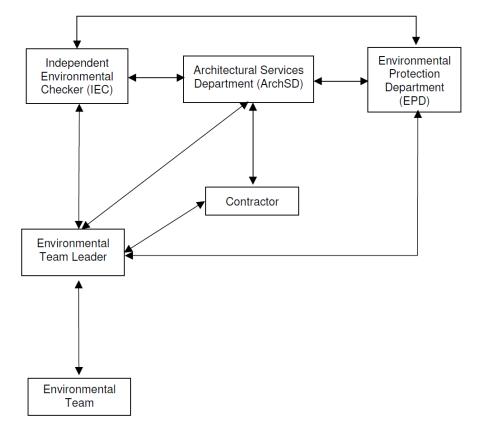
1.2. THE REPORTING SCOPE

This is the 21st Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 01 November to 30 November 2021.

1.3. PROJECT ORGANIZATION

The Project Organization structure for Construction Phase is presented in Figure 1.1.





← Line of Communication

Figure 1.1	Project Organization Chart
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Contact details of the key personnel are presented in Table 1.1 below:

Table 1.1	Contact Details of Key Personnel
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Party	Position	Name	Telephone no.
Shing Hing Construction Co Ltd	Site Agent	M.Y. Wong	2807-4665
Acuity Sustainability Consulting Limited	Environmental Team Leader	Kevin Li	2698-6833
Ove Arup & Partners Hong Kong Ltd	Independent Environmental Checker (IEC)	Franki Chiu	2268-3207



1.4. SUMMARY OF CONSTRUCTION WORKS

Details of the major construction activities undertaken in this reporting period are shown in Table 1.2 below. The construction programme is presented in **Appendix A**.

Table 1.2Summary of the Construction Activities Undertaken during the Reporting
Month

Reporting Month	Construction Activities		
November 2021	<image/>		





1.5. SUMMARY OF ENVIRONMENTAL STATUS

Environmental permit (EP) conditions under the EIAO, submission status under the EP and implementation status of mitigation measures had been reviewed and implemented on schedule. The status of required submissions under the EP (EP-329/2009) as of the reporting period for the Project are summarised in Table 1.3. The Condition 2.4 under the EP (EP-329/2009) was conducted not in this stage of the project.

EP/FEP Condition (EP-329/2009)	Submission	Submission date
Condition 1.12	Notification of Commencement Date of Construction of the Project	14 Mar 2020
Condition 2.3	Inception Report	13 Mar 2019
Condition 2.5	Landscape Plan with Tree Preservation Proposal	14 Feb 2018
Condition 5.2a	Baseline Monitoring Report	21 Jan 2020
Condition 5.2b	Alternative Air Quality Monitoring Station	05 Oct 2019
Condition 5.4	Monthly EM&A Report (November 2021)	14 Dec 2021

Table 1.3 Summary of Status of Required Submission for EP-329/2009 for the Project

A summary of the valid permits, licences, and /or notifications on environmental protection for this Project is presented in Table 1.4.



Table 1.4	Summary of the Status of Valid Environmental Licence, Notification, Permit
	and Documentations

Permit/ Licences/ Notification	Reference	Validity Period	Remarks
Environmental Permit	EP-329/2009	Throughout the Contract	-
Notification of Construction Works under the Air Pollution Control (Construction Dust) Regulation (Form NA)	Ref. Number: 455614	Throughout the Contract	-
Wastewater Discharge Licence	WT00034798-2019	10 Oct 2020 – 31 Oct 2024	-
Chemical Waste Producer Registration	5213-632-S4245-01	Throughout the Contract	-
Construction Noise Permit (24 hours) (Renewal)	GW-RN0401-21	13 Jul 2021 – 12 Jan 2022	-
Billing Account for Disposal of Construction Waste	7032841	Throughout the Contract	-

The status for all environmental aspects is presented in Table 1.5.



Table 1.5Summary of Status for Key Environmental Aspects under the Updated
EM&A Manual

Parameters	Status
Dust	
Baseline Monitoring	The baseline dust monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under EP Condition 5.2a.
Impact Monitoring	On-going
Waste Management	
Mitigation Measures in Waste Monitoring Plan	On-going
Environmental Audit	
Site Inspection covering Measures of Air Quality, Noise, Water Quality, Waste, Ecological Quality, Landscape and Visual	On-going

Other than the EM&A work by ET, environmental briefings, trainings and regular environmental management meetings were conducted, in order to enhance environmental awareness and closely monitor the environmental performance of the contractors.

The EM&A programme has been implemented in accordance with the recommendations presented in the approved EIA Report and the Updated EM&A Manual. A summary of implementation status of the environmental mitigation measures for the construction phase of the Project during the reporting period is provided in **Appendix C**.



2. MONITORING RESULTS

2.1. MONITORING PARAMETERS

The impact monitoring had been carried out in accordance with section 2.6 of the approved EM&A Manual to determine the 1-hour and 24-hour total suspended particulates (TSP) levels at the monitoring locations in the reporting month.

The sampling frequency of at least once in every 6 days, shall be strictly observed at the monitoring stations for 24-hour TSP monitoring. For 1-hour TSP monitoring, the sampling frequency of at least 3 times in every 6 days should be undertaken when the highest dust impact occurs.

General meteorological conditions (wind speed, direction and precipitation) and notes regarding any significant adjacent dust producing sources had also been recorded throughout the impact monitoring period.

2.2. MONITORING EQUIPMENT

1-hour TSP levels and 24-hour TSP had been measured with direct reading dust meter and High Volume Samplers respectively. It has been demonstrated its capability in achieving comparable results with high volume sampling method as set out in the Title 40 of the Code of Federal Regulations, Chapter 1 (Part 50).

The 1-hour TSP meter was calibrated by the manufacturer prior to purchasing. Zero response of the instrument was checked before and after each monitoring event. Operation of the 1-hour TSP meter followed manufacturer's Operation and Service Manual. The 24-hour TSP meter was calibrated against firmware 80570-8100-V1.0.4, annually. Operation of the 24-hour TSP meter followed manufacturer's Operation and Service Manual. Valid calibration certificate of dust monitoring equipment is attached in **Appendix F**.

A summary of the equipment that was deployed for the 24- hour averaged monitoring is shown in Table 2.1. The TSP monitoring was conducted as per the schedule presented in **Appendix D**.

The equipment used for 1-hour TSP and 24-hour TSP measurement and calibration are summarised in Table 2.1

Monitoring Parameter	Monitoring Equipment	Serial Number	Date of Calibration
1-hour TSP	LD-5R Digital Dust Indicator	761173	01 Jul 2021
1-hour TSP	LD-5R Digital Dust Indicator	761174	01 Jul 2021
24-hour TSP	TE-5170X High Volume Sampler	1049	02 & 19 Nov 2021
24-hour TSP	TE-5170X High Volume Sampler	1050	02 & 19 Nov 2021

Table 2.1Construction Dust Monitoring Equipment

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Monitoring Parameter	Monitoring Equipment	Serial Number	Date of Calibration	
24-hour TSP	TE-5028A Calibration Kit	3702	03 Aug 2021	

2.3. MONITORING METHODOLOGY AND QA/QC RESULTS

The 1-hour TSP monitor, portable dust meters (Sibata Digital Dust Indicator Model LD-5R) was used for the impact monitoring. The 1-hour TSP meters provides a real time 1-hour TSP measurement based on 90° light scattering. Three 1-hour TSP level were logged per every six days.

The 24-hour TSP monitor, High Volume Samplers (Tisch TE-5170X High Volume Air Sampler) were used for the impact monitoring. The 24-hour TSP monitoring consists of the following:

- The HVS was set at the monitoring location, with electricity supply connected and secured;
- HVS was calibrated before commencing the 1st measurement;
- The filter paper was weight and provided by HOKLAS lab (Acumen Laboratory and Testing Limited and ALS Technichem (HK) Pty Ltd) before and after the sampling. Certificate of HOKLAS accredited laboratory can be referred to **Appendix G**;
- The airflow over time during sampling process was recorded by the HVS.

HVSs was free-standing with no obstruction. The following criteria were considered in the installation of the HVS:

- Appropriate support to secure the samples against gusty wind needed to be provided the monitoring station;
- A minimum of 2m separation from walls, parapets and penthouses was required for rooftop samplers;
- No furnace or incinerator flues was nearby;
- Airflow around the sampler was unrestricted; and
- Permission could be obtained to set up the samplers and gain access to the monitoring station.

Preparation of Filter Papers

- Glass fiber filters were labelled and sufficient filters that were clean and without pinholes were selected;
- All filters were equilibrated in the conditioning environment for 24 hours before weighing. The conditioning environment temperature was around 25°C and not varied by more than ±3°C; the relative humidity (RH)was 40%; and

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• Acumen Laboratory and Testing Limited and ALS Technichem (HK) Pty Limited, as HOKLAS accredited laboratory, implemented comprehensive quality assurance and quality control programmes on the filters.

Field Monitoring

- The power supply was checked to ensure that the HVS was working properly;
- The filter holder and area surrounding the filter were cleaned;
- The filter holder was removed by loosening the foul bolts and a new filter, with stamped number upward, on a supporting screen was aligned carefully;
- The filter was properly aligned on the screen so that the gasket formed an airtight seal on the outer edges of the filter;
- The swing bolts were fastened to hold the filter holder down to the frame. The pressure applied should be sufficient to avoid air leakage at the edges;
- The shelter lid was closed and secured with an aluminum strip;
- The HVS was warmed- up for about 5 minutes to establish run- temperature conditions;
- A new flow rate record sheet was inserted into the flow recorder;
- The flow rates of the HVS was checked and adjusted to between 1.13-1.19 m³min⁻¹, which was within the range specified in the EM&A Manual (i.e. 0.6- 1.7 m³min⁻¹);
- The programmable timer was set for a sampling period of 24 hours ±hour, and the starting time, weather condition and filter number were recorded;
- The initial elapsed time was recorded;
- At the end of sampling, the sampled filter was removed carefully and folded in half so that only surfaces with collected particulate matter were in contact;
- The filter paper was placed in a clean plastic envelope and sealed; all monitoring information was recorded on a standard data sheet and
- The filters were sent to (Acumen Laboratory and Testing Ltd and ALS Technichem (HK) Pty Ltd) for analysis.

Maintenance and Calibration

- The HVS and their accessories were maintained in a good working condition. For example, motor brushes were replaced routinely and electrical wiring was checked to ensure a continuous power supply; and
- The flow rate of each HVS with mass flow controller was calibrated using an orifice calibrator, Initial calibrations of the dust monitoring equipment were conducted upon installation and prior to commissioning. Five-point calibration was carried

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out for HVS using TE-5025 Calibration Kit. HVS is calibrated bimonthly. The calibration records for the HVS is given in **Appendix F**.

Wind Data Monitoring

• The wind speed has been recorded from Hong Kong Observatory- Tai Po Kau meteorological station, along with portable wind speed meter stand by as back up if malfunction occurred or data was not recorded from HKO.

2.4. MONITORING LOCATIONS

Due to the disagreement of occupants in establishment of air quality monitoring station at their private permits, both of the original proposed dust monitoring locations were rejected. Two alternative air monitoring stations Fung Kai Liu Yun Sum Memorial School and Fanling Government School had been proposed by ET and approved by IEC. Two designated air monitoring locations were identified and agreed with IEC and EPD. Details of air monitoring stations are described in Table 2.2. The location plan of air quality monitoring stations is shown in **Appendix H**.

_	Table 2.2 Location	of the Dust Monitoring Stations
	Air Quality Monitoring Station	Dust Monitoring Station
	A10	Fung Kai Liu Yun Sum Memorial School
	A20	Fanling Government School

Table 2.2	Location of the Dust Monitoring Stations
-----------	--

2.5. MONITORING DATE, TIME, FREQUENCY AND DURATION

A summary of impact monitoring duration, sampling parameter and frequency is presented in Table 2.3.

Impact Monitoring	Duration Sampling Parameter		Frequency	
Dust	1-hour continuous measurement	1-hour TSP	3 times per six days	
Dust	24-hour continuous sampling	24-hour TSP	Once per six days	

Table 2.3Summary of Impact Monitoring Programme



2.6. RESULT SUMMARY

According to our field observations, the major dust source identified at the designated air quality monitoring station in the reporting month are summarised in Table 2.4.

Monitoring Station	Major Dust Source
A10	Nearby traffic
A20	Nearby traffic

Table 2.4Observation at Dust Monitoring Station

Air quality impact monitoring for the reporting month was carried out on 02, 08, 13, 19 and 25 November 2021 at A10 and A20.

The results for 1-hour TSP and 24-hour TSP are summarized in Table 2.5 and Table 2.6. The measurement data and details of influencing factors such as weather conditions and site observation are presented in **Appendix I**.

Table 2.5Summary of 1-hour TSP Monitoring Results

Monitoring Location	Range(µg/m³)	Action Level(μg/m³)	Limit Level(µg/m³)
A10	41 - 53	290	500
A20	41 - 56	291	500

Table 2.6

Summary of 24-hour TSP Monitoring Results

Monitoring Location	Range(µg/m³)	Action Level(μg/m³)	Limit Level(µg/m³)
A10	38 - 66	169	260
A20	30 - 51	167	260



3. WASTE

3.1. WASTE RECORD OF REPORTING MONTH

The waste generated from this Project includes inert construction and demolition (C&D) materials, and non-inert C&D materials. Non-inert C&D materials are made up of general refuse, vegetative wastes, and recyclable wastes such as plastics and paper/cardboard packaging waste. Steel materials generated from the project are also grouped into non-inert C&D materials as the materials were not disposed of with other inert C&D materials. With reference to relevant handling records and trip tickets of this Project, the quantities of different types of waste generated in the reporting month are summarised in Table 3.1. Details of cumulative waste management data are presented as a waste flow table in **Appendix J**.

			Actual Quantities of Inert C&D Materials Generated Monthly				Actual Quantities of C&D Wastes Generated Monthly					
	Reporting Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / cardboard packaging	Plastics (see Note)	Chemical Waste	Others, e.g. general refuse
		(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)
	November 2021	59.40	0	0	0	52.88	0	0	0	0	0	6.52

Table 3.1Quantities of Waste Generated from the Project during November 2021

Notes: (1) Plastics refer to plastic bottles / containers, plastic sheets / foam from packaging material



3.2. MITIGATION MEASURES TO WASTE PRODUCTION

Mitigation measures adopted for reducing waste production are summarized in Table 3.2.

Table 3.2	Mitigation measures adopted for waste reduction
Types of Waste	Mitigation Measures
Non-inert C&D Wastes	<text><image/><image/></text>

15



Monthly EM&A Report I	-21 CONSULTING LIMITED
Types of Waste	Mitigation Measures
	Skip for non-inert C&D waste
	2. Careful design and planning with good site management to minimize over ordering and generation of waste materials.
	3. Reuse non-inert C&D materials when possible to reduce the amount of C&D waste. The timber for formwork was reused on site.
	<image/>
Inert C&D Wastes	1. Excavated inert C&D materials were separately stored for subsequent backfilling, approximately 614 tonnes of excavated inert materials were stored in construction material storage area with coverage of impervious sheeting for on-site backfilling.



Types of Waste	Mitigation Measures
	No excavated material was stored at material storage area in the reporting month.
	2. Surplus excavated materials were delivered to public fill reception facilities.
Chemical Wastes	1. Unused chemicals or chemicals with remaining functional capacity were reused as far as practicable. Image: Comparison of the second seco



4. ECOLOGICAL MONITORING

The ecological monitoring was completed in August 2010 by China-Hong Kong Ecology Consultants Co. who was employed by Allied Environmental Consultants Ltd to conduct tree monitoring and advice on tree maintenance during construction period of "Provision of Cremators at Wo Hop Shek Crematorium" starting from September 2009.

5. LANDSCAPE AND VISUAL IMPACTS

No deficiency was observed during landscape and visual impact inspection carried out on 03 and 17 November 2021.



6. SUMMARY OF MONITORING EXCEEDANCE, COMPLAINTS, NOTIFICATION OF SUMMONS AND PROSECUTIONS

The Environmental Complaint Handling Procedure is shown in below Figure 6.1:

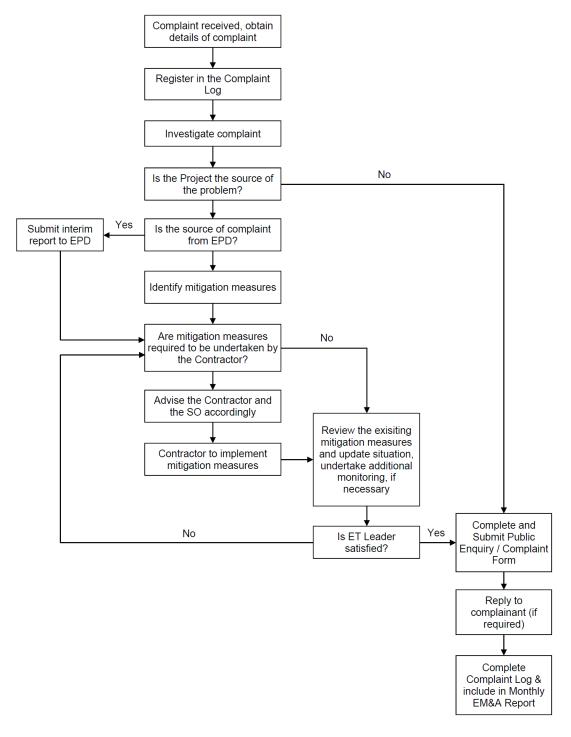


Figure 6.1 Environmental Complaint Handling Procedures



Air quality monitoring was conducted in the reporting period and no project-related exceedance of the Action Level was recorded during the reporting period.

No notification of summons and prosecution was received in the reporting period.

Statistics on complaints and regulatory compliance are summarized in **Appendix L**.



7. EM&A SITE INSPECTION

Site inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures under the Contract. In the reporting period, site inspections were carried out on 03, 12, 17 and 24 November 2021 at the site portions list in Table 7.1 below.

Date	Inspected Site Portion	Time
03 November 2021	Wo Hop Shek Crematorium	10:00 - 10:20 AM
12 November 2021	Wo Hop Shek Crematorium	14:00 – 14:15 PM
17 November 2021	Wo Hop Shek Crematorium	10:00 – 10:15 AM
24 November 2021	Wo Hop Shek Crematorium	10:05 - 10:20 AM

Table 7.1Summaries of Site Inspection Record

Environmental deficiencies were observed during weekly site inspection. Key observations during the site inspections and during the reporting period are summarized in **Table 5.2**.

According to the EIA Study Report, Environmental Permit, contract documents and EM&A Manual, the mitigation measures detailed in the documents are implemented as much as practical during the reporting period. An updated Implementation Status of Environmental Mitigation Measures (EMIS) is provided in **Appendix C**.

According to the Environmental Permit (EP) clause 3.6, route 2 and route 5 shall not be used as transportation routes during construction, which was attached in **Appendix N**. The measures implemented to comply with the EP's requirement are listed as follows:

- 1. Induction training including the proper transportation routes use
- 2. Posting extracts of the transportation route to/from the site outside the entrance
- 3. Toolbox training provided to the drivers entering the site

Measure no.2 of the above was observed during the site inspections.

In order to comply with the requirement of the EP clause 3.5, the implementation of all landscaping and visual mitigation measures in accordance with the landscape plan approved was audited in the reporting period. The detailed status of the implementation is provided in the section 5 in **Appendix K** of each site inspection.

Bi-weekly checking for the transplanted tree was conducted during the site inspections. No major observation was found related to the landscaping and visual.

Site inspection proforma of the reporting period is provided in **Appendix K**.



	Table 7.2	Site Observations
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Date	Environmental Observations	Follow-up Status
03 Nov 2021 (Site inspection)	Observation(s)1. No major observation was observed.Reminder(s)1. Housekeeping should be maintained.2. Chemical in-use should be placed on drip trap.3. Dusty material or sorting area should be covered.	Nil.
12 Nov 2021 (Site inspection)	 <u>Observation(s)</u> 1. No major observation was observed. <u>Reminder(s)</u> 1. Dusty material should not enter the public drain 2. Dust suppression measures should be implemented in dry days 3. More than 20 bags of cement should be properly covered from 4 sides. 	Nil.
17 Nov 2021 (Site inspection)	 <u>Observation(s)</u> 1. Housekeeping at the back alley of construction site was observed. 2. Site run-off was observed leaking off-site. <u>Reminder(s)</u> Nil 	 Good housekeeping was maintained at the back alley. Site run-off was clean-up off-site.
24 Nov 2021 (Site inspection)	Observation(s)1. No major observation was observed.Reminder(s)1. Housekeeping should be maintained	Nil.



8. FUTURE KEY ISSUES

Works to be undertaken in the next reporting month are:

- Fitting out
 - 1. Steel and metal works
 - 2. Interior fitting works
- Construction to pedestrian pavement
- Re-instate to pedestrian pavement & EVA

The major environmental impacts brought by the above construction works will include:

- Construction noise generation from fitting out and pedestrian pavement activities
- Wastewater generation from pedestrian pavement activities
- Waste generation from fitting out and pedestrian pavement activities

The key environmental mitigation measures for the Project in the coming reporting period associated with the above construction works will include:

- Reducing noise from equipment and machinery on-site by enclosing the construction site with plastic barrier and moving equipment and machinery inside the constructed building
- Treatment of wastewater from pedestrian pavement activities through sedimentation tank, wastewater would be reused on-site and not be discharged
- Sorting and storage of general refuse and construction waste

The impact monitoring schedule for the next reporting month to be shown at **Appendix M**.



9. CONCLUSIONS AND RECOMMENDATIONS

This is the 21st Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 01 November to 30 November 2021, in accordance with the EM&A Manual and the requirement under EP – 329/2009.

Air quality monitoring was conducted in the reporting period and no project-related exceedance of the Action Level was recorded during the reporting period.

Weekly environmental site inspection was conducted during the reporting period. Some observations were observed during site inspection and rectifications had been accomplished by contractor within a week after site inspection. The environmental performance of the project was therefore considered satisfactory.

No environmental complaint was received in the reporting period.

No notification of summons or prosecution was received since commencement of the Contract.

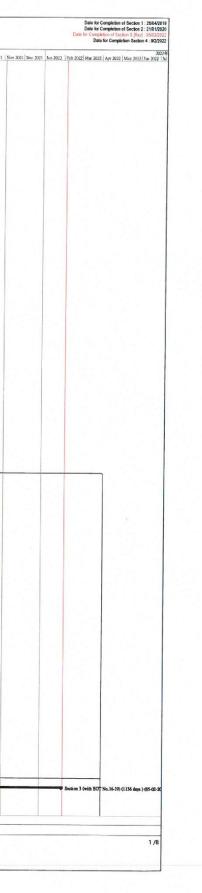
The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.



APPENDIX A: MASTER PROGRAMME

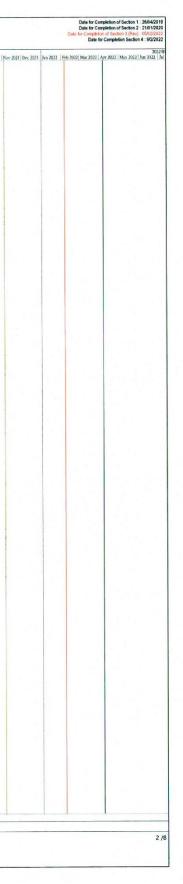
ction 3 : 720 Days (org), 1136 Days (EOT16-18) ction 4 : 1140 Days				Working Dragsman for Eventsian of Market Challenge and the state of the second
Adivisio	工期	開始時間	完成時間	Working Programme for Expansion of Wo Hop Shek Crematorium (Revision AB)
Project commencement	0 days		27/12/2018	2010/F. 2021 [ha 2019] [ha
Procession of site	1 day		27/12/2018	2 4 2012
Preliminaries	120 days	27/12/2018	25/4/2019	Pedintaria
Site setup and mobilization works	75 days	27/12/2018		
Erection of Site Office Topographic survey	60 days	3/1/2019	3/3/2019	
UU survey	28 days 28 days	3/1/2019 3/1/2019	30/1/2019 30/1/2019	
Condition survey / Photo survey	28 days	3/1/2019	30/1/2019	
Appleation / connection of temporary power supply and water supply	120 days	27/12/2018		
Application of temporary drainage disposal license	120 days	27/12/2018		
Section 1 (120 days) (Section 1 completed on 26-4-2019, noon)	120 days	27/12/2018	26/4/2019	11 a Social 1 (12) days) (Social 1 anapleted on 26-4-2019, noon)
Handover of site area	0 days	27/12/2018	27/12/2018	14 TAN2
Shop drawing submission and approval	60 days	28/12/2018		
Material submission and approval / testing	60 days	28/12/2018		
Method statement submission and approval Demolition Works	60 days	28/12/2018		
Temporary enclosure : two hours fire seperation for EMSD store and rest	43 days 30 days	21/1/2019 21/1/2019	4/3/2019 19/2/2019	
room	50 days	21/1/2019	19/2/2019	
Installation of temporary doors	7 days	26/2/2019	4/3/2019	
Forming R.C wall opening at EMSD Store (Demolition Item 4)	7 days	26/2/2019	4/3/2019	19 1
EMSD Store	49 days	5/3/2019	22/4/2019	20 ExtSD Sore
Installation of doors & ironmongery	7 days	5/3/2019	11/3/2019	
Wall plastering	7 days	12/3/2019	18/3/2019	
Floor screeding	7 days	19/3/2019	25/3/2019	
Wall painting	14 days	26/3/2019	8/4/2019	
Apply epoxy floor paint Temporary Storage Container	14 days	9/4/2019	22/4/2019	
Setting out works	74 days 7 days	12/2/2019 12/2/2019	26/4/2019 18/2/2019	26 Tomporery Skrage Container
Off-site fabrication of container	7 days 14 days	12/2/2019	25/2/2019	
Construction of concrete plinth	7 days	19/2/2019	25/2/2019	3 5.
Delivery and setting of container	1 day	26/2/2019	26/2/2019	x i the second se
EL Installation	44 days	14/3/2019	26/4/2019	31 Cartes and a second se
Install U/G G.I. pipe for cable duct after excavation	5 days	14/3/2019	18/3/2019	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Install G.I. conduit and wirings after complete the container & pillar box	14 days	14/3/2019	27/3/2019	sheer,
Install new armoured cable for new power distribution board	14 days	and the second second second second	27/3/2019	
Install new Cable Trunking in container	4 days	14/3/2019	17/3/2019	
Install new power distribution board "CS1"	7 days	14/3/2019	20/3/2019	
Install Faceplate Install light fittings	4 days		31/3/2019	
T&C and inspection	6 days 7 days		2/4/2019 26/4/2019	
Completion of Section 1 : 26/04/2019 (noon)	1 day		26/4/2019	40 -
Section 2 (390 days) (Section 2 completed on 21-1-2020, noon)	482 days	27/12/2018		41
Handover of site area	0 days	27/12/2018		2/4 2/12
Shop drawing submission and approval	60 days	15/2/2019	15/4/2019	
Material Submission and approval / Testing	60 days	15/2/2019	15/4/2019	ly dependence
Method statement submission and approval	60 days	11/4/2019	9/6/2019	45 Without takaneer sekolaiseles and approval
Design and approval to working platform for I-beam installation	60 days	11/4/2019	9/6/2019	
Method statement for I-beam delivery and installation	60 days	11/4/2019	9/6/2019	47
Modification / diversion to exsiting services BIM modeling to existing services	214 days		27/9/2019	44 Modification / étresion to estilling services
Check for necessary diversion to existing services	60 days		26/4/2019	
4D simulation for addition I beam installation	50 days 40 days	28/3/2019 1/4/2019	16/5/2019 10/5/2019	
Submission and approval to diversion proposal	40 days 14 days		30/5/2019	
	120 days		27/9/2019	57
A-007 Modification of EMSD Storage Container (Phase 2) - Improvement			20/1/2020	54 - A 407 Modification of EMSD Storage Container (Place D - Jagrovennet Warls
Works				
Issue of A-007	1 day	4/11/2019		55 + /011
Consolidate and confirmation of construction detail	31 days	11/11/2019		
Material ordering	14 days	12/12/2019		π —
Material delivery Installation work	10 days	26/12/2019		
Installation work Painting	7 days 7 days		15/1/2020	
Inspection before completion	7 days 1 day		11/1/2020	
Making good	7 days		19/1/2020	
Handover	I day		20/1/2020	e 4 201
A-012 Relocation of existing buildings services in Cremator Plant Room	31 days	10/12/2019		44
(Phase 2) - Additional Works				
Confirmation for BS diversion works	l day	10/12/2019		65 •) 1072
Relocation of existing building services	30 days	11/12/2019		« ***
Submission of FS251 to FSD for reloaction of Hose Reel	13 days	10/4/2020		at at
	1 day		21/1/2020	a Epin
Section 3 (with EOT No. 16-19) (1136 days) (05-02-2022) Handover of site area		27/12/2018 27/12/2018		0 To T T T T T T T T T T T T T T T T T T
Shop drawing submission and approval	0 days 180 days	17/3/2019		
ency warming advintation and approval	100 days	1//3/2019	12/9/2019	
Mission Milestone Date 🔶 Surrmary	-	eritical progress		
e : 5 November 2021				- Revised working programme with gained EOT 16-19, 29.5 days to Section 3; Revised completion date to be 5 February 2022.
				- Potential EOT for additional drainage work in EVA is not included





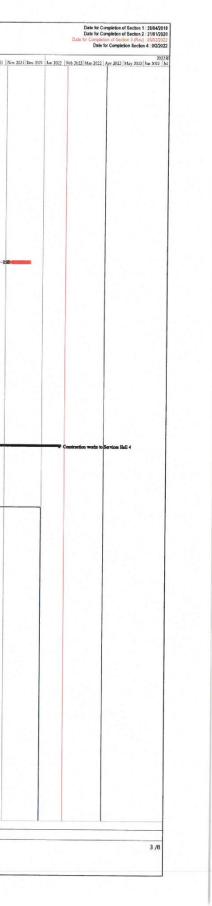
tion Period ::1140 Deys ::120 Deys ::380 Deys		Shing Hing Construction Co Ltd Working Programme for Expansion of Wo Hop Shek Crematorium (Revision AB)	
8 : 720 Days (org). 1136 Days (EOT16-18) 8 : 1140 Days	1120 開始時間 完成時間		2021年
tia		2019 [Feb 2019] Mar 2019 Apr 2019 Apr 2019 Mar 20	Feb 2021 Mar 2021 Apr 2021 May 2021 Jan 2021 Tul 2021 Apr 2021 Sep .
faterial submission and approval	180 days 17/3/2019 12/9/2019		
fethod statement submission and approval	180 days 17/3/2019 12/9/2019	I II O tribulition	
PD submission	425 days 29/12/2018 26/2/2020 74 180 days 29/12/2018 26/6/2019 79		
Org anticipate submission and approval period for EPD submission		70 W Notification given by Permit Holder (FERD) to EFD under Environmental Permit No 357,0009	
Notification given by Permit Holder (FEHD) to EPD under Environmental Permit No 329/2009	1 day 14/6/2019 14/6/2019		
	1 day 14/6/2019 14/6/2019	77 0 14/5	
~ Notification given to FEHD from ArchSD		71 0 14/5	
~ Notification given to EPD from FEHD		79 Submission and approval of Inception Report (by ET team)	
Submission and approval of Inception Report (by ET team)	23 days 19/2/2019 13/3/2019 1 day 19/2/2019 19/2/2019	50 • 192	
~ 1st submission to ArchSD		81 @ 253	
~ Comment from ArchSD for 1st submission		E2 + 2872	
~ 2nd submission to ArchSD		D + 40	
- Comment from ArchSD for 2nd submission		64 (136	
~ 3rd submission to ArchSD		25 Subplation and approval of Landacape Film w(Tree Preservation Proposal (by ET stam)	
Submission and approval of Landscape Plan w/ Tree Preservation	396 days 27/1/2019 26/2/2020		
Proposal (by ET team)			
Org anticipate submission and approval period	90 days 27/1/2019 26/4/2019	FT + 203	
~ Rev.0 submission to IEC	1 day 20/3/2019 20/3/2019	si ◆ 203	
~ Comment from IEC	1 day 22/3/2019 22/3/2019	83 e 223	
~ Rev.1 submission to IEC	1 day 22/3/2019 22/3/2019	s) + 203 50 + 267	
~ Comment from IEC	1 day 26/3/2019 26/3/2019	90 \$ 260 91 \$ 260	
~ Rev.2 submission to IEC	1 day 26/3/2019 26/3/2019	91 • 260 92 • 27/3	
~ Comment from IEC	1 day 27/3/2019 27/3/2019		
~ Comment from ArchSD	1 day 28/3/2019 28/3/2019	99 + 1203	
~ Submission to EPD	1 day 4/4/2019 4/4/2019	91 • 44	
~ Rev.3 submission to IEC	1 day 11/4/2019 11/4/2019	95 ♦ 114	
~ Comment from IEC	1 day 7/5/2019 7/5/2019	96 ♦ 7/5	
~ Rev.4 submission to IEC	1 day 8/5/2019 8/5/2019	97 + 1/5	
~ Comment from IEC	1 day 8/5/2019 8/5/2019	91 + 85	
~ Submission to EPD	34 days 17/5/2019 19/6/2019		
~ Comment from EPD	1 day 19/6/2019 19/6/2019	100 0 19/6	
~ Rev.3 (EPD) submission to IEC	1 day 26/6/2019 26/6/2019	10 + 265	
~ Comment from IEC	1 day 27/6/2019 27/6/2019	100 + 276	
- Submission to EPD	38 days 3/7/2019 9/8/2019		
~ Comment from EPD	1 day 9/8/2019 9/8/2019	104 \$ 98	
~ Rev. 4.3 (EPD) submission to IEC	1 day 27/8/2019 27/8/2019	105 4 27/6	
- Comment from IEC	21 days 27/8/2019 16/9/2019	106	
~ Submission to EPD	14 days 21/9/2019 4/10/2019	107	
~ Comment from EPD	1 day 27/11/2019 27/11/2019	108 \$ 27/1	
~ Comment from EPD ~ Rev. 5.1 (EPD) submission to IEC	1 day 28/11/2019 28/11/2019	109 + 20/11	
- Comment from IEC	22 days 29/11/2019 20/12/2019	110	
~ Submission to EPD	22 days 30/12/2019 20/1/2020	m [*]	
~ Submission to EPD ~ Rev. 6.4 (EPD) submission to IEC	1 day 12/2/2020 12/2/2020	112 + 122	
~ Kev. 6.4 (EPD) submission to IEC ~ Comment from IEC	2 days 13/2/2020 14/2/2020	113 1	
	12 days 14/2/2020 25/2/2020	114 -	
~ Submission to EPD	1 day 26/2/2020 26/2/2020	115 # 26/2	
~ Approval from EPD		116 Saltening on and approval of Alternative Air Quality Monitoring Station (by ET team)	
Submission and approval of Alternative Air Quality Monitoring St	ttion 329 days 19/3/2019 10/2/2020		
(by ET team)	100,0010 100,0010		
Org anticipate submission and approval period	90 days 19/3/2019 16/6/2019 1 day 19/3/2019 19/3/2019	11-193	
~ Rev.0 submission to IEC		19 + 203	
~ Comment from IEC		10 + 20	
~ Rev.1 submission to IEC		121 + 44	
~ Comment from IEC		122 + 44	
~ Rev.2 submission to IEC	1 day 4/4/2019 4/4/2019	123 + 54	
~ Comment from IEC	1 day 9/4/2019 9/4/2019	134 1	
~ Submission to ArchSD	1 day 14/4/2019 14/4/2019	125 \$ 164	
~ Comment from ArchSD	1 day 16/4/2019 16/4/2019	135 + 534	
~ Submission to EPD	1 day 25/4/2019 25/4/2019	12/ + 266	
~ Comment from EPD	1 day 26/6/2019 26/6/2019	12 + 276	
~ Rev.3 submission to IEC	1 day 27/6/2019 27/6/2019	12 + 2/7	
~ Comment from IEC	1 day 2/7/2019 2/7/2019	130 4 137	
- Submission to ArchSD	1 day 13/7/2019 13/7/2019	130 + 137	
~ Submission to EPD	1 day 3/7/2019 3/7/2019		
~ Comment from EPD (reject the proposal)	1 day 15/7/2019 15/7/2019	133 4 157	
Re-visit to ASRs	33 days 23/7/2019 24/8/2019		
~ Rev.4 submission to IEC	1 day 8/5/2019 8/5/2019	154 0 85	
~ Comment from IEC	1 day 8/5/2019 8/5/2019	135 4 85	
~ Rev.5 submission to IEC	1 day 6/9/2019 6/9/2019	116 4 69	
~ Comment from IEC	1 day 8/5/2019 8/5/2019	137 • 8.5	
~ Rev.6 submission to IEC	1 day 13/9/2019 13/9/2019	138 @ 139	
~ Comment from IEC	1 day 18/9/2019 18/9/2019	13 + 169	
~ Submission to ArchSD	1 day 19/9/2019 19/9/2019	140 4,199	
- Comment from ArchSD	1 day 27/9/2019 27/9/2019	141 \$ 3779	
~ Submission to EPD	1 day 5/10/2019 5/10/2019	162 \$510	
Mission Milestone Date St	critical progress		
5 November 2021		 Revised working programme with gained EOT 16-19, 29.5 days to Section 3; Revised completion date to be 5 February 2022. Potential EOT for additional drainage work in EVA is not included 	





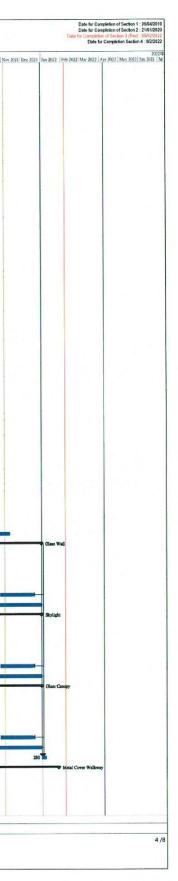
720 Days 1140 Days 			
- Comment from EPD			
	工制	節始時間	完成時間 Dec 19/10/2019 5/11/2019
	14 days	6/10/2019	19/10/2019
incompanies of unername Air atomics ing Stations (Fer 7.4) given by Er D	1 day	5/11/2019	5/11/2019
N			
Notice to owner / tendant of alternative Air Monitoring Station (by ArchSD)	35 days	6/11/2019	10/12/2019
	1		
A-011 Proposal for Alternative Air Quality Monitoring Location Rev. 7.4 (Section 3)	1 day	11/12/2019	11/12/2019
- the second			
	11 days		22/12/2019
	22 days	23/12/2019	
	7 days		20/1/2020
	7 days	21/1/2020	27/1/2020
	14 days	28/1/2020	10/2/2020
	46 days	12/4/2019	27/5/2019
	90 days	3/4/2019	1/7/2019
	90 days	31/5/2019	28/8/2019
	18 days	17/3/2020	3/4/2020
	30 days	2/6/2019	1/7/2019
emporary enclosure : proprietary high density two hours fire rate encloure of prvice Hall 4	45 days	20/2/2019	5/4/2019
			12/12/2021
			2/7/2020
			14/7/2019
			14/7/2019
			12/9/2019
			2/11/2020
			4/11/2019
	1	and the second s	and the second se
		and the second second second second	and a second
			12/2/2020
			26/2/2020
			4/3/2020
			11/3/2020
		18/9/2020	18/9/2020
			2/11/2020
	959 days		28/1/2022
	21 days	15/6/2019	5/7/2019
		22/6/2019	12/7/2019
Sub-structural Works (w/ additional basement wall and waterproofing)	295 days	7/4/2020	26/1/2021
			16/4/2020
			20/8/2020
			12/8/2020
		and the second s	15/5/2020
		16/5/2020	16/5/2020
			23/5/2020
			31/7/2020
		1/8/2020	10/8/2020
			12/8/2020
	The second second		14/8/2020
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	10/7/2020	16/7/2020
			30/7/2020
			12/8/2020
			14/8/2020
			20/8/2020
			29/5/2020
		30/5/2020	1/6/2020
		2/6/2020	2/6/2020
	21 days	9/6/2020	29/6/2020
	10 days	30/6/2020	9/7/2020
		17/7/2020	30/7/2020
			18/8/2020
			20/8/2020
			17/6/2020
			5/5/2020
	1 day	6/5/2020	6/5/2020
			22/5/2020
		23/5/2020	11/6/2020
	5 days	12/6/2020	16/6/2020
	l day	17/6/2020	17/6/2020
	20 days	16/7/2020	4/8/2020
Mass concrete filling for F3 & F4	10 days	16/7/2020	25/7/2020
	-	eritical progress	Concernant of the second se
November 2021			
en an bib bib bib bib bib bib bib bib bib bi	molition items 9 to 14 at external area mission and approval of method statement for excavtion and backfilling mission and approval of formwork & falsework design to sub-structure 09 Addition of Works in EMSD Store (Phase 3) site of 4-009 landover of EMSD store ordition survey: / Photo survey: fakegood to concrete spalling to ceiling lastering to ceiling anting to ceiling auting of extSD Store audover of EMSD Store audover of EMSD Store to User struction works installation onpletion of EMSD Store to User struction works to Services Hall 4 etting out work erify to existing structure ub-structural Works (w/ additional basement wall and waterproofing) I-S-002 Exeavation for sub-structure work Footing F1 Construction works to footing for F1 (+49.86) Probing test Laying blinding layer Erecting formwork to F1 Construction to drill-in bar for F1 Rebar fixing to F1 Construction works to footing for F1 (+50.36, +51.06) Mass filling / Laying blinding layer Erecting formwork to F1 Construction works to footing for F1 (+50.36, +51.06) Mass filling / Laying blinding layer Erecting formwork to F1 Construction works to footing for F1 (+51.35) Excavation for mass filling Mass filling and Sand replacement test Laying blinding layer / Mass filling Mass filling and Sand replacement test Laying blinding layer / Mass filling Mass filling and Sand replacement test Laying blinding layer / Mass filling Probing test Laying blinding layer / Mass filling Erecting formwork to F1 Construction work to for F1 Rebar fixing to F1 Construction Kork to r1 Rebar fixing to F1 Casting concrete to F1 (to +51.35) Footing F2 Footing F2 Footing F3 & F4 Mass concrete filling for F3 & F4 Masser bleve filling for F3 & F4	molition items 5 & 6 at G/F of Ex. Rest Room 30 days molition items 9 to 14 at external area 90 days omission and approval for formwork & falsework design to suberstructure 90 days imission and approval for formwork & falsework design to suberstructure 90 days is a false of A-00 //////////////////////////////////	molition items 9 to 1 4 at external area 90 days 15/11/2021 molition items 9 to 1 4 at external area 90 days 16/4/2020 mission and approval of method statement for excerviton and backfill 90 days 16/4/2019 mission and approval for formwork & falsework design to superstructure 90 days 16/4/2019 molition structly of formwork & falsework design to superstructure 90 days 16/4/2019 structure of fLMSD store 1 day 12/11/2019 andore of fLMSD store 1 day 12/11/2019 factored to concrete spalling to celling 14 days 15/11/2019 factored to concrete spalling to celling 14 days 12/11/2019 factored to concrete spalling to celling 14 days 12/12/2019 bubitston and approval for (SD/CBWD) 90 days 15/11/2019 factored SD Store 1 day 12/22/2020 WACk works installation 14 days 12/22/2020 moletion of TLMSD Store to User 1 day 12/2/2020 andwer of EMSD Store to User 1 day 15/5/2020 moletion of TLMSD Store to User 1 day 15/5/2020 construction works to footing for F1 (+49.86) 90 days





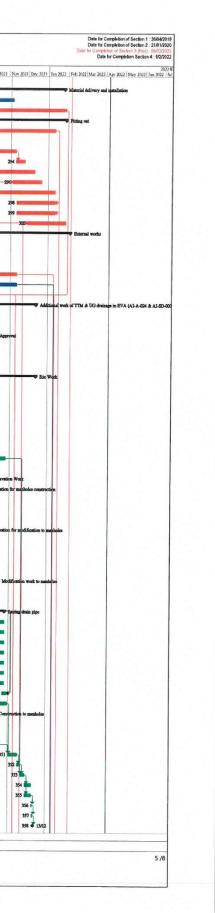
ction 1	on Period :1140 Days 120 Days 390 Days						Working Progr	Shing Hing Co mme for Expansion of			ion AB)					
ction 3	720 Days (org), 1136 Days (EOT16-18) ; 1140 Days		m H at m	CONTRACTOR NO.											2021年	
Artivitic		1.10	開始時間	完成時間	Dec 2018 Jan 2019	Feb 2019 Mar 201	2019年 019 Apr 2019 May 2019 Jun 2019 Jul 2019 J	ug 2019 Sep 2019 Oct 2019 Nov 2019 D	c 2019 Jan 2020 Feb 2020 Mar	2020 Apr 2028 May 2020 Jun	2020 hit 2020 Aug 2020 Sep 2020 213	Ort 2020 New 2020 Dec 20	20 Jan 2021 Feb 2021	Mar 2021 Apr 2021 May 2021	Jan 2021 Jul 2021	Aug 2021 Sep
	Erecting formwork to F3 & F4	4 days	26/7/2020	29/7/2020							213					
	Rebar Fixing to F3 & F4	5 days	30/7/2020	3/8/2020							214					
	Casting concrete to F3 & F4	1 day	4/8/2020	4/8/2020						215		Sub-structure of Service	Area			
	Sub-structure of Service Area	176 days	18/4/2020	10/10/2020						216						
	Condition survey to existing UG structure	9 days	18/4/2020	26/4/2020						217						
	Removal of existing concrete block and waterproofing membrance	8 days	27/4/2020	4/5/2020						218						
	Concrete breaking to exisitng RC wall for rebar connection	22 days	29/4/2020	20/5/2020						218						
	Construction of basement wall (W18, 19 & 20)	48 days	21/5/2020	7/7/2020						219-						
	Apply waterproofing membrance (AI-A-019)	87 days	16/7/2020	10/10/2020							220					
	Dwarf wall construction	150 days	21/5/2020	17/10/2020						221	and the second					
	Mockup to fair face finish (1000 x 1000mm)	30 days	18/9/2020	17/10/2020							222					
	Construction works to suspended slab	28 days	20/9/2020	17/10/2020							223 -					
	Backfilling and Sand replacement test (Service Hall & Toilet Area)	30 days	11/10/2020									24				
		6 days		24/11/2020								225				
	Construction work to on-grade slab (Service Hall & Toilet Area)		19/12/2020									226				
	Backfilling and sand replacement test (Waiting Area, Clergy Room, etc)												227 🜉			
	Construction work to on-grade slab (Waitiing Area, Clergy Room, etc)	10 days	17/1/2021	26/1/2021								228			Sapers ructur	
	Superstructure	198 days	2/12/2020	17/6/2021								229		1/F to M/F		
	1/F to M/F	106 days	2/12/2020	17/3/2021						-		230				
	Setting out	1 day	2/12/2020	2/12/2020												
	Erecting formwork to wall (Service Hall / Toilets)	21 days	3/12/2020	23/12/2020												
	Rebar Fixing to wall (Service Hall / Toilets)	7 days		16/12/2020								232				
	Erecting formwork / falsework to slab and beams to toilets	7 days	24/12/2020	30/12/2020								233				
	Erecting formwork to wall (Waiting Area, Clergy Room, etc)	21 days	29/1/2021	18/2/2021									234			
	Rebar Fixing to wall (Waiting Area, Clergy Room, etc)	7 days	5/2/2021	11/2/2021									235			
	Erecting formwork / falsework to slab and beam	24 days	19/2/2021	14/3/2021									236			
		2 days	15/3/2021	16/3/2021										237		
	Rebar fixing to slab and beam	1 day	17/3/2021	17/3/2021										238		
	Casting concrete to wall, slab and beam		18/3/2021	17/5/2021										239 W	AF to R/F	
	M/F to R/F	61 days		18/3/2021										240		
	Setting out	1 day	18/3/2021											241		
	Erecting formwork to wall	45 days	19/3/2021	2/5/2021										242		
	Rebar Fixing to wall	14 days	8/4/2021	21/4/2021										243)		
	Erecting formwork / falsework to slab and beam	30 days	17/4/2021	16/5/2021										244		
	Rebar fixing to slab and beam	8 days	9/5/2021	16/5/2021										245		_
	Casting concrete to wall, slab and beam	1 day	17/5/2021	17/5/2021										246	Last casting a	timent
	Late casting element	31 days	18/5/2021	17/6/2021										248	The county of	T
	W7	23 days	18/5/2021	9/6/2021										248		
1	Setting out	1 day	18/5/2021	18/5/2021										248		
	Erecting formwrk / falsework to wall	16 days	25/5/2021	9/6/2021										249		
-	Rebar fixing	4 days	3/6/2021	6/6/2021											60 🛤	
		30 days	18/5/2021	16/6/2021										251	Parapet wall,	etc.
	Parapet wall, etc		18/5/2021	18/5/2021			a to the state of the							252		
1	Setting out	1 day					Contraction of the second							252	****	
	Erecting formwork	16 days	1/6/2021	16/6/2021										1	254 📷	
4	Rebar fixing	6 days	9/6/2021	14/6/2021											255	++
5	Casting concrete to late casting element	1 day	17/6/2021	17/6/2021												25
1	Waterproofing to roofing	15 days	16/9/2021	30/9/2021												
	Water test to roofing	7 days	8/10/2021	14/10/202												
-	Construction works for Roofing System	28 days	15/10/202	1 11/11/202												
	Glass Wall	720 days	11/1/2020	30/12/202					259							
	Shop drawing submission and approval	330 days	11/1/2020			- F			260			1				
-	Material submission and approval	100 days	6/12/2020			1						261				
		30 days	16/3/2021	14/4/2021										262		
	Material testing and ordering	120 days	15/4/2021											263		T
	Offsite fabrication		28/10/2021													
1	Heat soak test for temper glass and delivery	50 days														265
2	Material delivery and installation	140 days	13/8/2021						266							++
	Skylight	720 days							267)			0.0.13		_		
1	Shop drawing submission and approval	330 days							T			248				
	Material submission and approval	100 days	6/12/2020											269		
5	Material testing and ordering	30 days	16/3/2021	14/4/2021										270		
0	Offsite fabrication	120 days	15/4/2021	12/8/2021										***		
1	Heat soak test for temper glass and delivery	50 days		1 16/12/202												
12	Material delivery and installation	140 days				-								den al la company		272
3		720 days							273			1111				
4	Glass Canopy	330 days				+			2749		and the second second second					
5	Shop drawing submission and approval	100 days										275				
	Material submission and approval	and the second second second												276		
1	Material testing and ordering	30 days	16/3/2021											277		
	Offsite fabrication	120 days														
1	Heat soak test for temper glass and delivery	50 days	28/10/202													179
2	Material delivery and installation	140 days														
0	Water test to Glass Wall, Skylight and canopy	7 days	31/12/202	6/1/2022												-
1	Metal Cover Walkway	746 days	11/1/2020	25/1/2022					281							
2	Shep drawing submission and approval	330 days		5/12/2020		1			2029							
6	Material submission and approval	100 days										283	and the second s			
84	Material testing and ordering	30 days	16/3/2021											284		1
85		120 days												285	- H	
1	Offsite fabrication	120 days	15/4/2021	12/0/2021					1	I		1.1.11				
_				gros	-											
	Mission Milestone Date I Summ	ary	ernacal pro	Rugo management	and a		- Revised working programme	with gained EOT 16-19 29 6	days to Section 3: Pe	vised completion dat	te to be 5 February 2022					
ate :	: 5 November 2021						- Revised working programme	Potential EOT for additional	drainage work in EVA	is not included	and a start and a start					
								Amonded	mme to Cromator Dia	a to the standard						
etter	r Ref: WHS-013AH							- Amended working progra	initie to cremator Fia	nt is included						





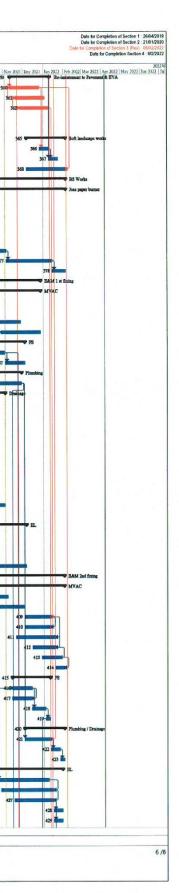
Section	n 1 : 120 Days n 2 : 390 Days n 3 : 720 Days (org), 1136 Days (EOT16-18)			
	n d 1 tab Days (kig), rido Days (EC) rid-ro) n d 1 1140 Days	工約	開始時間	完成時間
	Footings	14 days	2/8/2021	15/8/2021
8	Material delivery and installation M01	159 days 80 days	20/8/2021 20/8/2021	25/1/2022 7/11/2021
	M02	120 days	28/9/2021	25/1/2022
	Fitting out Interior fitting out works	197 days 180 days	16/7/2021	28/1/2022
12	Brick work and block work ; internal partition wall	ou days	30/7/2021	
93 94	Waterproofing work to lavatories Testing to waterproofing to lavatories	45 days 14 days	28/9/2021	11/11/2021 25/11/2021
295	External wall plastering, tiling & cladding	120 days	13/8/2021	10/12/2021
296	Doors and windows installation	45 days	7/11/2021	21/12/2021
298	Steel and metal works (gates, FS shutter, railing & balustrades, etc.) Suspended ceilings	120 days 60 days	14/9/2021	11/1/2022
299	Painting	60 days	13/11/2021	11/1/2022
301	Furniture, fittings, shelving, racks, equipment External works	60 days 695 days	30/11/2021 12/3/2020	
302	Laying UG plumbing pipework across EVA	695 days 14 days	27/5/2020	4/2/2022 9/6/2020
303	WSD inspection	1 day	20/7/2020	20/7/2020
305	**UG drainage pipework (backyard & planter)** UG drainge pipework	24 days 90 days	25/11/2020	18/12/2020 13/11/2021
306	UG plumbing pipework	90 days	16/8/2021	13/11/2021
307	Demolition to hoarding for constructing Covered Walkway (M02)	45 days	3/9/2021	17/10/2021
	Additional work of TTM & UG drainage in EVA (AI-A-024 & AI-SD-001)	134 days	2/8/2021	13/12/2021
309	Confirmation of cost and expenditure	1 day	2/8/2021	2/8/2021
510	Submission and Approval	26 days	3/8/2021	28/8/2021
312	Settle sub-contract and mobilization Setup TTM	10 days 2 days	3/8/2021 13/8/2021	12/8/2021 14/8/2021
313	Trial run	14 days	15/8/2021	28/8/2021
314	Site Work	133 days	3/8/2021	13/12/2021
315	Handover of working area Material order and delivery	1 day 60 days	29/8/2021 3/8/2021	29/8/2021
317	Mobilization	10 days	29/8/2021	7/9/2021
318	Setting out	2 days	30/8/2021	31/8/2021
320	Erecting encloseure / barrier to working area Removal existing concrete paver for reuse (approx. 220sqm)	1 day 8 days	1/9/2021 2/9/2021	1/9/2021 9/9/2021
321	Removal existing street furniture for reuse	8 days	2/9/2021	9/9/2021
322 323	Materail ordering & delivery of paver and street furniture (if necessary)		30/8/2021	28/10/2021
323	Breaking up existing 300mm thk RC slab (approx. 220sqm) Excavation Work	14 days 10 days	10/9/2021 24/9/2021	23/9/2021 3/10/2021
325	Excavation for manholes construction	4 days	24/9/2021	27/9/2021
26	SMH-03	4 days	24/9/2021	27/9/2021
328	SMH-04 FMH-02	4 days 4 days	24/9/2021 24/9/2021	27/9/2021 27/9/2021
329		3 days	28/9/2021	30/9/2021
350		3 days	28/9/2021	30/9/2021
332		3 days 3 days	28/9/2021 1/10/2021	30/9/2021 3/10/2021
353	Laying blinding layer to pipe trenches and manholes	10 days	25/9/2021	4/10/2021
334	Modification work to manholes	18 days	1/10/2021	18/10/2021
336	A7 (MH-A7) S-19 (MH-19)	18 days 18 days	1/10/2021 1/10/2021	18/10/2021 18/10/2021
337	Laying drain pipe	14 days	15/10/2021	28/10/2021
338	225mm dia pipe (SHM-04 to A7)	14 days		28/10/2021
340	225mm dia pipe (SHM-03 to SMH-04) 225mm dia pipe (SMH-01 to A7)	14 days 14 days		28/10/2021 28/10/2021
341	100mm dia pipe (STG to S19)	14 days		28/10/2021
342	150mm dia pipe (SWP to FMH-02)	14 days		28/10/2021
345	100mm dia pipe (STG to FMH-02) 80mm dia pipe (VP from FMH-02)	14 days 14 days		28/10/2021 28/10/2021
348	Water test	7 days	26/10/2021	
345	Concrete surround to drain pipes	12 days	22/10/2021	2/11/2021
347		18 days 18 days	28/9/2021 28/9/2021	15/10/2021 15/10/2021
349		18 days 18 days	28/9/2021	15/10/2021
350	FMH-02	18 days	28/9/2021	15/10/2021
351	Backfilling & compacted excavated trenches, etc., with sand replacemen Reinstatement to 300mm thk RC slab	nt14 days 5 days	5/11/2021 19/11/2021	18/11/2021
353		7 days	24/11/2021	
354		10 days	1/12/2021	10/12/2021
335		10 days 1 day	1/12/2021 11/12/2021	10/12/2021
357		1 day	12/12/2021	
358	Handover to User	1 day	13/12/2021	
	Mission Milesione Date Surroury		critical prome	85
Date : I	5 November 2021	1		
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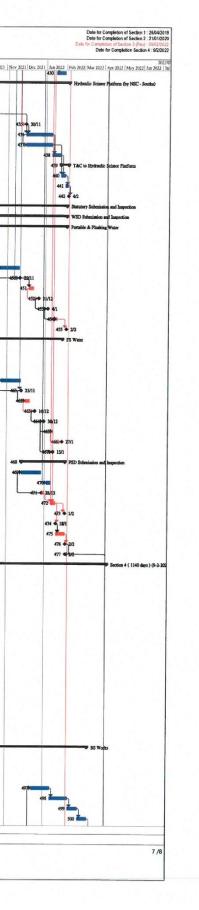
2: 380 Days 3: 720 Days (ep), 1130 Days (EOT) 4: 1140 Days Re-instatement to Pavement Construction to pedestrian Re-instate to pedestrian Re-instate to pedestrian Re-instate to pedestrian the instate to	t & EVA y area	工时	開始時間			Workir	ng Programme 1	for Expansion of Wo	o nop Snek Crem								
Re-instatement to Pavement Construction work to lay- Construction to pedestrian Re-instale to pedestrian pa Tree survey and submission Submission and approval to	y area		研究時間				mole				0.20年					2021年	
Construction work to lay- Construction to pedestrian Re-instate to pedestrian pa Tree survey and submission Submission and approval to	y area		12/11/2021	完成時間 10/1/2022	Dec 2018 Jan 2019 Feb 2019	Mar 2019 Apr 2019 May 2019 Jun 20	H9 Jul 2019 Aug 2019 Sep	p 2019 Oct 2019 Nov 2019 Dec 2019	19 Jan 2020 Peb 2020 Mar 2020	0 Apr 2020 May 2020 Jan 2021	0 Jul 2020 Aug 2023 Sej	p 2020 Oct 2020 Nov	2020 Dec 202) Jan 2021 Fel	2021 Mer 2021 Apr 2021 M	ay 2021 Jan 2021 Jul 20	1 Aug 2021 Sep 2021 O
Construction to pedestrian Re-instate to pedestrian pa Tree survey and submission Submission and approval to		60 days 45 days	12/11/2021														
Tree survey and submission Submission and approval to	pavement	45 days	20/11/2021														
Submission and approval to	vement & EVA	45 days	27/11/2021						363								
	Internet data	120 days 120 days		9/7/2020 5/5/2021									3	64			
Soft landscape works	planting schedule	60 days		4/2/2022													
Excavation work to plante		14 days	27/12/2021														
Soiling		14 days	10/1/2022	23/1/2022													
Planting / transplanting (T	48 & T49)	60 days		4/2/2022				360									and in the
BS Works		816 days	12/11/2019					370									
Joss paper burner	and approval of Joss Paper Burner	816 days 240 days	12/11/2019					371									
		240 days	10/2/2020	6/10/2020				L	972)-I	and the second sec	States and the second second						
Material submission and a		240 days	12/11/2019					3739			-						
Material ordering		90 days	9/7/2020	6/10/2020							21 ⁴	375					
Fabrication of Joss Paper	Burner (Off-site)	160 days 120 days	7/10/2020 9/7/2021	15/3/2021 5/11/2021												376	
Material delivery Installation works		70 days		14/1/2022													
	r (detail schedule to be submitted separatily)	21 days		4/2/2022													
E&M 1 st fixing		445 days	9/10/2020	27/12/2021								379	100				
MVAC		383 days		27/12/2021									3814				
Concealed conduit insta		240 days	10/12/2020										3820		And the second second second		
Cable containment insta MVAC air duct installa		160 days 90 days		27/11/2021													3834
MVAC air duct installa MVAC water pipework		60 days		27/12/2021													
FS		120 days	6/8/2021	3/12/2021													385
Install SPR/FS pipe		90 days		3/11/2021													
Control Wirings for AF	A system	30 days		3/12/2021													388
Plumbing	esh water and flushing water supply	115 days 115 days	6/8/2021 6/8/2021	28/11/2021 28/11/2021												-	3894
Drainage	esn water and nusning water suppry	391 days		3/11/2021		- 1 - F			1			390					
Install U/G drainage		100 days	9/10/2020									391		Install	U/G drainage		
UG drainge to Toilet		9 days		18/11/2020								392					
UG drainge to Servic		9 days		18/11/2020								394		++UO	drainage to Waiting Area, Clor	py Room, etc. (NOD.28)**	
Pending for consol	itting Area, Clergy Room, etc. (NOD.28)** dation to the amendment of drainge design U late request (NOD28)	100 days 40 days	9/10/2020 9/10/2020									395					
	p STG for suit site situation of large level	12 days		30/11/2020								39	397				
Material ordering		35 days	1/12/2020										391	398			
	iting Area, Clergy Room, etc. inage such as soil & waste pipe, vent pipe, rain utlet etc.	9 days 90 days	8/1/2021 6/8/2021	16/1/2021 3/11/2021													339 4
EL		361 days	10/12/2020	5/12/2021									400				
Concealed conduit inst		240 days	10/12/2020	6/8/2021									40				
Cable containment inst		160 days	10/12/2020														-400+
Panel & electrical insta		76 days	6/8/2021	20/10/2021 5/12/2021													43-4-
MCB/MCCB installati E&M 2nd fixing	n	120 days 116 days	8/8/2021 9/10/2021	5/12/2021 1/2/2022													405
MVAC		116 days	9/10/2021	1/2/2022													406
Ventilation fan and AC	equipment installation	30 days	9/10/2021	7/11/2021													
Cabling wiring and fin		54 days	9/10/2021														*
Grilles/ diffuser / damp		40 days		11/1/2022										1			
Control system installa Hydraulic test	ion	40 days 60 days		11/1/2022													
Air Balancing		35 days		18/1/2022													
System test		28 days		25/1/2022	1												
T&C for control system		14 days	19/1/2022														
FS		58 days		10/1/2022													
SPR head, VFA, smok	detector installation	30 days 30 days		13/12/2021 13/12/2021													
Hose Reel Installation Interfacing ex_AFA sy	stem and reprogramming	21 days	14/11/2021														
T&C works to FS syst		7 days	4/1/2022	10/1/2022													
Plumbing / Drainage		61 days	3/12/2021														
Sanitary ware installat		40 days	3/12/2021														
T&C work for plumbin		14 days 7 days	12/1/2022 26/1/2022														
Tee off from existing v	ater supply from existing water meter cabinet	101 days		1 29/1/2022													
Cabling wiring works		80 days		8/1/2022													
Lighting and final circ	iit termination	80 days	28/10/2021	1 15/1/2022													
Wiring & accessories		60 days		1 15/1/2022													
T&C for submain, fina T&C for essential pow	l circuit electrical system er	14 days 14 days		29/1/2022 29/1/2022													
Mission	Nilestone Date Summary	7	eritical prog	gess	8				to Cooline 3. Deci-	ed completion data t	o he 5 Eshman 2	022					
e : 5 November 2021 er Ref: WHS-013AH						- Revised working p	- Potential	ned EOT 16-19, 29.5 days I EOT for additional drain ded working programme	inage work in EVA is	not included	o de 5 February 20						





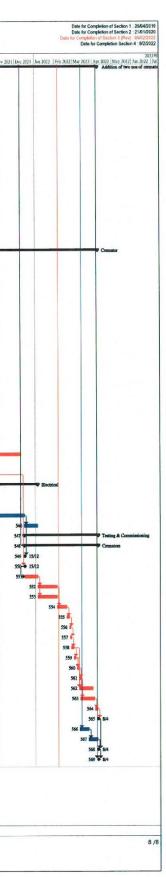
action 1:120 Days etion 2:390 Days etion 3: 720 Days (org.) 1136 Days (EOT16-18) etion 4: 1140 Days					Shing Hing Construction Co Ltd Working Programme for Expansion of Wo Hop Shek Crematorium (Revision AB)	
n Activities	10	1013645100	完成時間	I. and the second		100107
7&C for CCTV, specker, lighting control test	14 days	16/1/2022	29/1/2022	Dec 2018 Jan 2019 Feb 2019 N	200942 019 Apr 2019 May 2019 Zan 2019 Al 2019 Alug 2019 Sag 2019 Oct 2019 New 2019 Dec 2019 Jan 2020 Feb 2020 Mar 2020 Agr 2020 May 2020 Jan 2020 May 2020 Sag 2020	20 Jan 2021 Feb 2021 Mar 2021 Apr 2021 May 2021 Jan 2021 Jul 2021 Aug 2021 Sep 2021 Oct 2021 Not
Hydraulic Scissor Platform (by NSC - Southa)	426 days	6/12/2020				
2 Shop drawing submission and approval	120 days	6/12/2020	4/4/2021		43	
³ Materail submission and approval	30 days	5/4/2021	4/5/2021			433
4 Material ordering and delivery	130 days	5/5/2021	11/9/2021			434
5 Handover of Service Hall 4	1 day	30/11/2021	30/11/2021			
6 Hydraulic Scissor Platform and Screen Door	40 days	1/12/2021	9/1/2022			
7 Electrical and Control Installation	40 days	1/12/2021	9/1/2022			
8 Installaion of Natural Grantie	14 days	10/1/2022	23/1/2022			
7 T&C to Hydraulic Scissor Platform	12 days	24/1/2022	4/2/2022			
Equipment function test	7 days	24/1/2022	30/1/2022			
Submission of O & M Manual	4 days	31/1/2022	3/2/2022			
2 Training	1 day	4/2/2022	4/2/2022			
3 Statutory Submission and Inspection	1103 days	27/1/2019	2/2/2022	413 🗢		
WSD Submission and Inspection	1103 days	27/1/2019	2/2/2022	44		
Portable & Flushing Water	1103 days	27/1/2019	2/2/2022	45		
Submission of WWO542	1 day	27/1/2019	27/1/2019	4490 27/1		
Submission of WWO46 part 1 & 2	1 day	27/4/2019			4576 274	
Issue of WWO46 part 3 by WSD	1 day	27/5/2019	27/5/2019		440+ 275	
Submission of final amendment drawing	30 days	23/10/2021	21/11/2021			4490-
Submission of WWO46 part 4 to WSD	1 day		22/11/2021			
WSD inspection / re-inspection	7 days	7/12/2021	13/12/2021			
Issue of WWO46 part 5a	1 day		21/12/2021			
Issue of WWO1005	1 day	4/1/2022	4/1/2022		지수는 것 같아요. 이 것 같아요. 이 집에 가지 않는 것 같아요. 이 집에 가지 않는 것같아?	
Water sampling & testing	1 day	18/1/2022	18/1/2022			
issue of wwo-to part 50 (Completion advice)	1 day	2/2/2022	2/2/2022			
FS Water Submission of W/W0542	1097 days	27/1/2019	27/1/2022	456		
500000500000000000000000000000000000000	1 day	27/1/2019	27/1/2019	4579-0 27/1		
Submission of WW046 part 1 & 2	1 day	27/4/2019	27/4/2019		4580 2774	
Issue of WWO46 part 3 by WSD	1 day	27/5/2019	27/5/2019		- <u>4590</u> + 275	
Submission of final amendment drawing	30 days		24/11/2021			4600-000
Submission of ww046 part 4 to w8D	1 day		25/11/2021			
WSD inspection / re-inspection	7 days	2/12/2021	8/12/2021			
Issue of WWO46 part 5a	1 day	16/12/2021				
Issue of WWO1005	1 day		30/12/2021			
Water sample selection	1 day	13/1/2022	13/1/2022			
Issue of WWO46 part 5b (Completion advice)	1 day	27/1/2022	27/1/2022			
Issuance of FSCA	1 day	13/1/2022	13/1/2022			
FSD Submission and Inspection	67 days	27/11/2021	1			46
Submission of FS final amendment drawing	30 days	27/11/2021				
Rehearsal for FS inspection & T&C works	7 days	4/1/2022	10/1/2022			
Submission of FS314 & FS501 submission to FSD	1 day		28/12/2021			
FS inspection & re-inspection	7 days		17/1/2022			
Issuance of FS Certificate	I day	1/2/2022	1/2/2022			
SCCU inspection	1 day	18/1/2022	18/1/2022			
Making after SCCU inspection	14 days	19/1/2022	1/2/2022			
SCCU reinspection Completion of Phase 3 : 05/02/2022	1 day	2/2/2022	2/2/2022			
	1 day	2/2/2022	2/2/2022	478		
Section 4 (1140 days) (9-2-2022, noon) Handover of site area		27/12/2018		179 27/12		
	0 days		27/12/2018	1000 2012		
Shop drawing submission and approval Material submission and approval	350 days 350 days	16/4/2019	30/3/2020		anti-	
Material submission and approval Method statement submission and approval			30/3/2020			
Shop drawing submission and approval to hoarding	350 days		30/3/2020		43	
Temporary metal hoarding and Non-combustible canvas inside Cremator Pla	30 days		23/6/2019			
Room	in 90 days	25/0/2019	20/9/2019			이 가지 않는 것은 것은 것 같아요. 이 것 같아요.
Submission of survey report for builder's work and services diversion for ne	60 daw	15/5/2019	13/7/2019		469	
cremator installation	ou uays	151512019	13/1/2019			
Submission of survey report for existing chimneys	60 days	15/5/2019	13/7/2019			
A&A Works	667 days		13/7/2019		487	
Coordination with NSD for modification and strengthening of existing	120 days	15/8/2019	12/12/2019			A&A Woda
perforated platform for installation of new cremators	120 days	15/6/2019	12/2019			
Demolition items 1, 2 at B/F & 7, 8 at G/F of Cremator Plant Room	360 days	17/6/2020	11/6/2021		40	
Hoisting beam & trolley for cremator	120 days		21/1/2020		60	
Loading test to hoisting beam	14 days	8/1/2020	21/1/2020		491	
Builder's Work and Services Diversion for Cremator Installation at LG &			31/1/2020		478	
BS Works	1169 days	28/12/2018		493		
BIM modelling and stimulation of delivery to existing building	815 days	28/12/2018		1940-		
BIM modelling to new building parts	720 days	28/12/2018		4950		
Diversion / modification to existing services	280 days		26/6/2020		465	
Install new G.I. trunking	28 days	15/12/2021				
Install new G.I. conduit for CCTV & power point	28 days	12/1/2022	8/2/2022			
Cable wirings for CCTV and power point	15 days	9/2/2022	23/2/2022			
Install CCTV Camera	15 days		10/3/2022			
1	any.			1 1		
		minical among	1			
Minzion Milestone Date Surrmar	-	· contrast provint	Al Bernown down of the			
Minuen Millestere Date Sammar ste : 5 November 2021		· chica propi			Revised working programme with gained EOT 16-19, 29.5 days to Section 3: Revised completion date to be & February 2022	
		·			Revised working programme with gained EOT 16-19, 29.5 days to Section 3; Revised completion date to be 6 February 2022. - Potential EOT for additional drainage work in EVA is not included - Amended working programme to Cremator Plant is included	





uction Period :1140 Da n 1 : 120 Days n 2 : 390 Days n 3 :720 Days (org), 11	36 Days (EOT16-18)				Shing Hing Construction Co Ltd Working Programme for Expansion of Wo Hop Shek Crematorium (Revision AB)
n 4 : 1140 Days		TIN	開始時間	定政時間	20094F Dec. 2018 [hn 2019] [reb 2009] [hn 2019] [reb 2009] [hn 2019] [hn 2011] [hn 201
	nos of cremators, No.7 & No.8 (by NSC - Southa)	1198 days	28/12/2018	8/4/2022	
Primary		773 days	28/12/2018	7/2/2021	50 Million
Drawing & E	deducer of the second	710 days	28/12/2018		
Equipment O		60 days	15/12/2019		
		360 days		7/2/2021	50
Lifting Hoist		20 days	27/12/2019		577 5
		5 days		20/1/2020	38
	modification to Existing Steel Platform	90 days		21/11/2020	509 APCP & SP Licence Submission (SP) Soluminon by Arch300
	icence Submission (EPD Submission by ArchSD)	281 days	11/5/2020	15/2/2021	500
	f APCP (Form 1)	60 days	11/5/2020	9/7/2020	511 🖣 107
	& SP Submission	1 day	10/7/2020	10/7/2020	512
	nt on draft APCP & SP	35 days 30 days	15/8/2020	13/9/2020	515
	hission of APCP & SP nt / Approval of APCP & SP	90 days		12/12/2020	514
	cation period - 3 days	3 days	13/12/2020		513 🖏
	e Issued by EPD	1 day	16/12/2020		516 đ [1 0/3
Review of dr		60 days	17/12/2020		517
Licence Obta		1 day	15/2/2021	15/2/2021	516 * 152
Cremator		779 days	20/2/2020	8/4/2022	515
	Plant Room (SHC to Southa)	0 days	20/2/2020	20/2/2020	500 - 400-
	I Flue Gas Duct	100 days	29/4/2020	6/8/2020	521 522 Consider 8
Cremator 8		90 days	1/4/2021	29/6/2021	
	Steel Frame Work for Cremator 8	30 days	1/4/2021	30/4/2021	314
Lower Ref	ractory for Cremator 8	30 days	1/5/2021	30/5/2021	
	ractory for Cremator 8	30 days	31/5/2021	29/6/2021	
	ange w/ Insulation for Cremator 8	50 days	3/5/2021	21/6/2021	527 Cenadoz 7
Cremator 7		189 days	3/2/2021	10/8/2021	53
	Steel Frame Work for Cremator 7	30 days	3/2/2021	4/3/2021 3/4/2021	59
	fractory for Cremator 7	30 days	5/3/2021 4/4/2021	3/4/2021	et al. and the second se
	actory for Cremator 7	40 days 50 days	4/4/2021 22/6/2021	13/5/2021	53 ******
	ange w/ Insulation for Cremator 7	60 days	4/4/2021	2/6/2021	
	ter w/ Insulation ion Filter w/ Insulation	60 days	3/6/2021	1/8/2021	sp
	on Filter w/ Insulation oor, Burners, Rotray Drive & Accessories	60 days	14/5/2021	12/7/2021	54
	Fans (Supervised by Manufacturer)	20 days	2/8/2021	21/8/2021	
	Air Fans (Supervised by Manufacturer)	20 days	22/8/2021	10/9/2021	58
	Radiator Installation at R/F	30 days	2/3/2020	31/3/2020	557
	ter Pump & Piping	122 days	24/5/2021	22/9/2021	330-
	ter Pipe Insulation & Cladding	60 days	11/10/2021	9/12/2021	59
	ssor & Piping	90 days	3/6/2021	31/8/2021	500
Towngas pi		30 days	1/9/2021	30/9/2021	
Electrical		685 days	20/2/2020	4/1/2022	34 5
	of Electric Plant Room (SHC to Southa)	0 days	20/2/2020	20/2/2020	503 4 , 202
	of L.V. Switchboard	90 days	21/2/2020	20/5/2020	545
	and Control Installation (Supervised by Manufacturer)	227 days	2/5/2021	14/12/202	
	ning and SCADA (Supervised by Manufacturer)	21 days	15/12/2021		
	Commissioning	115 days	15/12/2021		
Cremators		115 days	15/12/2021		
	ication to new switch box	1 day	15/12/2021		
_	as available	1 day 21 days	15/12/2021		위에 집에 가지 않는 것 같아요. 이 이 것 같아요.
	ent function test	30 days	5/1/2022	3/2/2022	
	or 7 dry heating	30 days	5/1/2022	3/2/2022	
	or 8 dry heating mmissioning	15 days	4/2/2022	18/2/2022	
Pre-hea		4 days	19/2/2022		
	in for Cremator 7 (5 samples / day)	2 days	23/2/2022	24/2/2022	
	in for Cremator 7 (5 samples / day)	2 days	24/2/2022		
	or 7 emission test (3 samples / day, w/ witness of EPD)	4 days	26/2/2022	1/3/2022	
	or 7 & 8 emission test (6 samples / day, w/ witness of EPD)	3 days	2/3/2022	4/3/2022	
	or 8 emission test (3 samples / day, w/ witness of EPD)	3 days	7/3/2022	9/3/2022	
	ad performance test for Cremator 7 & 8 (6 samples / day)	2 days	10/3/2022	11/3/2022	
	on test report issuance for Cremator 7 & 8	21 days	10/3/2022	30/3/2022	
	onal test & performance test with witness of ArchSD	22 days	12/3/2022	2/4/2022	
Trainin		4 days	4/4/2022	7/4/2022	
	ver of Cremator to ArchSD	1 day	8/4/2022	8/4/2022	
T&C for B.S. v	vork	14 days	11/3/2022	24/3/2022	
Cleaning on co		14 days	25/3/2022		
	Phase 4 : 09/02/2022 (noon)	0 days			
	Phase 4 : 09/02/2022 (noon)		25/3/2022 8/4/2022 8/4/2022	7/4/2022 8/4/2022 8/4/2022	
	Mission Mileson Date Summer	ny 🗣	ritical pro	neis	- Revised working programme with gained EOT 16-19, 29.5 days to Section 3; Revised completion date to be 5 February 2022.

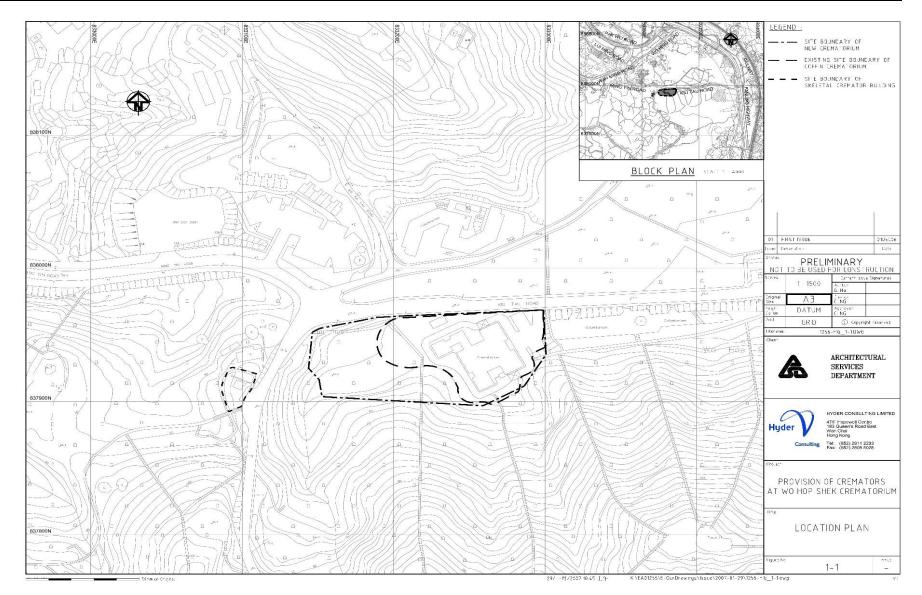






APPENDIX B: WORK AREA FOR THE CONTRACT NO. AL G513







APPENDIX C: SUMMARY OF IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
Air (Cons	truction	Phase)					
S.3.3.5		Under the Air Pollution Control (Specified Process) Regulation, an incinerator (including cremator) with an installed capacity exceeding 0.5 tonnes per hour, is classified as a specified process, and requires a Specified Process license to operate. FEHD shall apply for a specified licence under the APCO.	New Cremators in the New Crematorium / prior to operation	FEHD	Construction Phase	АРСО	NA
S.3.9		Asbestos Investigation:	Incense burner,	Arch SD,	Construction Phase	APCO	NA
S.3.9.2		The incense burner, coffin and skeletal crematorium shall be thoroughly investigated prior to any demolition work commencing to ascertain the presence of any ACM. A registered asbestos consultant shall carry outan asbestos investigation report (AIR).	coffin and skeletal crematorium / Prior to any demolition	Registered Asbestos Consultant, Registered Asbestos		AIR and AAP	
S.3.9.3		If any ACM are identified in the existing crematorium, an asbestos abatement plan shall be submitted to EPD prior to any asbestos abatement works.	work commencing	Contractor			
S.3.9.4		The following precautionary and mitigation measures shall be implemented during the removal of ACM:					
		Enclosure of the work area.					
		Containment and sealing for the asbestos containing waste.					
		Provision of personal decontamination facility.					
		Use of personal respiratory/protection equipment.					
		Use of vacuum cleaner equipped with high-efficiency air particulate (HEPA) filter for cleaning up the work area.					
		Carrying out air quality monitoring during the asbestos abatement works.					



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EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.3.9.5		The following qualified personnel shall be appointed to carry out the asbestos abatement works:					NA
		Registered asbestos contractor for carrying out the asbestos removal works.					
		Registered asbestos supervisor for supervising the asbestos abatement works.					
		Registered asbestos laboratory for monitoring the air quality during the asbestos abatement works.					
		Registered asbestos consultant for supervising and certifying theasbestos abatement works.					
S.3.9.7 -		Other Site Management:					NA
S.3.9.9							
S.3.9.7		The asbestos materials in each building/premises must be abated before other contractors/trades are allowed to work in the building/premises.					NA
S.3.9.8		Tight security measures shall be taken at the asbestos abatement works site to prevent any disturbance to ACM that may result from the stealing of valuable items on site such as electrical cable and copper pipes. It is recommended that priority shall be given for the abatement of all friable ACM.					NA
S.3.9.9		As different contractors may be working on-site at the same time, the following measures should be considered:					NA
		If there is a sensitive receptor around the area, conduct environmentalair monitoring at this off-site receptor.					
		Submit to EPD a completion report, including photos and air monitoring results, immediately after completion of asbestos abatement work for every work zone.					
S.3.9.9		As different contractors may be working on-site at the same time, the following measures should be considered:					NA
		■ If there is a sensitive receptor around the area, conduct environmentalair monitoring at this off-site receptor.					
		Submit to EPD a completion report, including photos and air monitoring results, immediately after completion of asbestos abatement work for every work zone.					



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.3.10.1 - S.3.10.2		The contractor has a responsibility to notify EPD for undertaking any 'notifiable' works prior to the commencement of such works. In addition, the contractor is also required to fulfil specific dust control requirements given in the APCO Regulation's Schedule for specific jobs.	Prior to 'notifiable' works including Construction of the foundation of a building and construction of the superstructure of a building	Contractor	Construction Phase	Air Pollution Control (Construction Dust) Regulation APCO	Implemented
-	S.2.9.1 - S.2.9.3	Good site management / practices to avoid / minimise incidences of dust emissions: Site Boundary and Entrance	Project Site / Construction and Demolition	Contractor	Construction Phase	Air Pollution Control (Construction Dust) Regulation	Implemented
		 Vehicle washing facilities including a high pressure water jet shall be provided at every discernible or designated vehicle exit point. The area at which vehicle washing takes place and the section of the road between the washing facilities and the exit point shall be paved with concrete, bituminous or hardcore material. Access Haul Roads and Unpaved Areas Each and every main haul road shall be paved with concrete, bituminous hardcore materials or metal plates, and kept clear of dusty materials. Or Unpaved haul roads and areas shall be sprayed with water so as to keep the entire road surface wet. 				APCO	



		ny Entern Report No.21					
EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
		Excavated Materials					
		Any stockpile of dusty material shall be either: (a) covered entirely by impervious sheeting. (b) placed in an area sheltered on the top and the three sides. or (c) sprayed with water or a dust suppression chemical so as to maintain the entire surface wet.					
		Exposed Earth					
		Exposed earth shall be properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six monthsafter the last construction activity on the site or part of the site where the exposed earth lies.					
		Loading, Unloading or Transfer of Dusty Materials					
		All dusty materials shall be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet.					
		Debris Handling					
		Any debris shall be covered entirely by impervious sheeting or stored ina debris collection area sheltered on the top and the three sides.					
		Before debris is dumped into a chute, water shall be sprayed so that itremains wet when it is dumped.					
		Transport of Dusty Materials					
		Vehicles used for transporting dusty materials/spoils shall be covered with tarpaulin or similar material. The cover shall extend over the edges of the sides and tailboards.					
		Site Clearance					
		The working area for the uprooting of trees, shrubs, or vegetation or the removal of boulders, pole, pillars shall be sprayed with water immediately before, during and immediately after the operation so as to maintain the entire surface wet.					
		All demolished items shall be covered by impervious sheeting or placed in a spot with shelters on top and three sides within a day of the demolition.					
		Workers at all levels should be co-operative to avoid dust generation and dispersion to the surrounding environment.					



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
Air (EM&	A for Co	nstruction Phase					
S.11.2.4 S.11.2.5	S.2.5 - S.2.6	Conduct baseline and regular 1-hr and 24-hr TSP monitoring at 2 measurement locations at a 6-day frequency	A22a and A22b / Baseline monitoring prior to construction works / Regular monitoring throughout construction period	Contractor	Construction Phase	EIAO	Implemented
Noise (Co		ion Phase)	1	1			
S.4.4.9 - S.4.4.10	S.3.2.1 - S.3.2.2	 Good Site Practice and Noise Management: Only well-maintained plant shall be operated on site and the plant shallbe regularly serviced during the construction works. 	Work site / Construction phase	Contractor	Construction Phase	GW-TM & NCO	Implemented
		Plant used intermittently shall be turned off or throttled down when notin active use.					
		Plant that is known to emit noise strongly in one direction shall be oriented to face away from NSRs.					
		Silencers, mufflers and enclosures for plant shall be used where possible and maintained adequately throughout the works.					
		Mobile plant shall be sited away from NSRs.					
		Stockpiles of excavated materials and other structures such as site buildings shall be used effectively to screen noise from the works.					
		PME shall be well maintained and use properly on site to minimise the any excessive noise generated.					
Land Con	taminat	ion (Construction Phase)					
		Remedial Action Plan:	All areas	Contractor	Construction Phase	Waste Disposal	



		ny Estanticeport No.21					
EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.5.7.2		If large amounts of contaminated soil (say 500m ³) are found following further site investigation after the decommissioning of the crematorium, remediation options such as bioremediation for organics should be considered. Although disposal of smallamount of contaminated soil to landfills might be considered as an economic and acceptable option for remediation, it should be considered as the last resort if all remediation options including reuse are considered to be inappropriate or infeasible.	requiring remedial works in Project site			Ordinance (Cap.354) Waste Disposal (Chemical Waste) Regulations Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes	NA
S.5.7.3		 If disposal to landfills is chosen as the remediation measure, the criteria set primarily of Toxicity Characteristic Leaching Procedure (TCLP) limits, as stated in Annex E in the GN) should be met. At least three soil samples should be taken from the most contaminated area(s) and tested for TCLP for a full suite of parameters (16 metals) asstated in Table E1 in Annex E in the GN. 				CAP ProPECC Note PN3/94 Dutch A, B, C Classificati-on system	NA
		If the testing result shows that any of the TCLP limits cannot be met, the soil shall be treated by cement stabilization and further tested for TCLP prior to landfill disposal or treated as chemical waste and disposed of at the Chemical Waste Treatment Centre (CWTC).				WPCO Technical Memorandum on Standards for Effluents	
S.5.7.4		All soil treated as a chemical waste, shall be collected by a registered chemical waste contractor and the Waste Disposal (Chemical Waste) Regulations under the Waste Disposal Ordinance (Cap.354) shall be observed. Reference shall be made to the Registration of Chemical Waste Producers and Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes, issued by EPD.				Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters (TM)	NA



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.5.7.6		 Confirmatory Soil Sampling In order to confirm the extent of the soil contamination and if the contaminated soil should be removed or treated, confirmatory soil sampling shall be carried out during the remediation works. This shall consist of five to six samples in each location where soil contamination is identified from SI works. The locations will be to the north, south, east and west of the location where contaminated soil is found. Two locations should also be above and below the location (in terms of elevation) where contaminated soil is found. If analytical results exceed the Dutch B Levels or other agreed remedialtarget suggested in a supplementary CAR, the contaminated area shall be extended and further confirmatory sampling shall be carried out until no further contamination is 					NA
S.5.8	S.4	encountered. Further Site Investigation	Areas that are currently in use	Contractor	Construction Phase	Interim CAR and RAP	NA
S.5.8.1	S.4.1 - S.4.7	Further site investigations in areas that are currently in use and cannot be accessed are required. These areas include the transformer room, dangerous goods stores, day tank room, fuel pump room, sunken fuel pipe and cremator.	and cannot be accessed, including the transformer room, dangerous			ProPECC Note PN3/94 Guidance Notes for Investigation and Remediation of	
S.5.8.2		The demolition contractor shall carry out further site investigations, after the decommissioning of the existing crematorium and skeletal cremator building.	goods stores, day tank room, fuel pump			Contaminated Sites of Petrol Filling	
S.5.8.3		Potential contaminants in the soils have been identified in CAP and the parameters to be analysed for soils at different locations are summarised in Table 5-3 in S.5.8.3.	room, sunken fuel pipe and cremator.			Stations, Boatyards and Car	



		ny Emer Report No.21					
EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.5.8.4		Sampling and analysis plans for these investigations shall be prepared and submitted to EPD for approval prior to any of these investigation works. Supplementary CAR and RAP shall be prepared to describe the results and findings of these site investigations and, if necessary, any remedial works.	After the decommissioni ng of the existing crematorium and skeletal cremator building.			Repair / DismantlingWorkshop s	
Land Con	taminat	ion (EM&A)		1			<u> </u>
S.11.2.9		Further Site Investigation:	After	Contractor	Construction Phase	Interim CAR & RAP	NA
- S.11.2.15	- S.4.7	Conduct further site investigation for Petroleum hydrocarbons and PAH in soil samples.	decommissioni ng, prior to				
3.11.2.15	5.4.7	Conduct further site investigation for PCBs in soil samples.	construction:				
		Conduct further site investigation for PAH, Dioxins and Metals	Existing				
		(Cr, Co, Ni, Cu, Zn, As, Mo, Cd, Sn, Ba, Hg, Pb) in soil samples.	crematorium: Dangerous				
			goods store,				
			Daily tank				
			room, fuel pump room and				
			sunken fuel				
			pipe				
			Skeletal Cremator				
			Building:				
			Dangerous goods store				
			Existing				
			crematorium:				
			Transformer				
			room Cremators				
			(residual inside				
			the cremator,				
			flue and				



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EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
			chimneys				
Waste Mar	nagemen	t (Construction Phase)					
Waste Man S.6.7.24	agemen	 Good Site Practice: Obtain the necessary waste disposal permits from the appropriate authorities, if they are required, in accordance with the Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation and the Land (Miscellaneous Provision) Ordinance (Cap. 28). Obtain a billing account with EPD for disposal of construction waste. A Waste Management Plan (WMP), incorporated in an Environmental Management Plan (EMP) shall be prepared and submitted to the Engineer/Supervising Officer for approval. Reference shall be made to Environment, Transport and Works Bureau Technical Circular (Works) (ETWB TCW) 19/2005. Nomination of an approved person to be responsible for good site practice, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site. Use of a waste haulier, authorised or licensed to collect specific category of waste. A trip-ticket system shall be included as one of the contractual requirements and implemented by the Environmental Team to monitor the disposal of C&D and solid wastes at public filling facilities and landfills, and to control fly tipping. Reference shall be made to ETWB TCW No. 31/2004. Training of site personnel in proper waste management and chemicalwaste handling procedures. Separation of chemical wastes for special handling and appropriate treatment at a licensed facility. Routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors. Provision of sufficient waste disposal points and regular collection for disposal. Adoption of appropriate measures to minimise windblown litter and dustduring transportation of waste, such as covering trucks or transporting wastes in enclosed containers. Implementation of a recording system for the amount of wastes 	Project site/ design, construction and demolition stages	Contractor	Construction Phase	Waste Disposal Ordinance (Cap. 354) Waste Disposal (Chemical Waste) (General) Regulation Waste Disposal (Charges for Disposal of Construction Waste) Regulation	Implemented and rectified according to observation



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
		generated, recycled and disposed of (including the disposal sites).					
S.6.7.25		 Waste Reduction Measures: 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. Encourage collection of aluminium cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separate labelled bins shall be provided to help segregate this waste from other general refuse generated by the work force. Any unused chemicals or those with remaining functional capacity shallbe recycled as far as practicable. Reuse C&D material/waste. Wood, steel and other metals shall be separated for reuse and / or recycling Prior to disposal of C&D waste to minimise the quantity of waste to be disposed of to landfill. Minimise the potential for damage or contamination of construction material by having proper storage and site practices. Plan and stock construction materials carefully to minimise the amount of waste generated. 	Project site / construction and demolition stages	Contractor	Construction Phase	WBTC No. 32/1992 WBTC No. 19/2005	Implemented



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.6.7.4		<i>Excavated Material</i> Rock and soil generated from excavation shall be reused for site formation and excavated material from foundation work reused for landscaping as far as practicable to avoid disposal off-site.	Project site / construction and demolition stages	Contractor	Construction Phase	WBTC No. 12/2000	Implemented
S.6.7.5 - S.6.7.7	S.5.3.5 - S.5.3.9	 Construction and Demolition Material Reuse of the public fill and C&D waste shall be practiced on site as faras practicable. The handling of C&D materials is governed by WBTC No. 2/93. Inert C&D material (public fill) shall be directed to an approved public filling area or reclamation site, where it has the benefit of offsetting the need for removal of materials from borrow areas for reclamation purposes and helps to reduce the pressure on landfill sites. Individuals or companies who deliver public fill to public filling areas require dumping licences. Careful design, planning and good site management can minimise over- ordering and generation of waste materials such as concrete, mortar and cement grouts. The design of formwork shall maximise the use of standard wooden or metal panels so that high reuse levels can be achieved. Alternatives such as. steel formwork, plastic fencing and reusable site office structures shall be considered to increase the potential for reuse and minimise C&D waste generation. The contractor shall use as much as possible of the C&D material onsite. Proper segregation of waste types on site will increase the feasibility of certain components of the waste stream by recycling contractors. 	Project site / construction and demolition stages	ArchSD / Contractor	Construction Phase	WBTC No. 2/93 The Land (Miscellaneous Provision) Ordinance WBTC No. 19/2005	Implemented



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EIA Ref	EM&A Ref.	Environmenta	l Protection Me	asures / Mitigati	on Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.6.11.1 - S.6.11.5	S.5.3.1 0 - S.5.3.1	Contaminated Mat	terial – Further Co	ntamination Invest	igation		Flues Chimneys Contractor and ProPECC PN 3/94		Construction Phase	NA
	4	Crematorium, th shall be carried	he following furth out to confirm the	to demolition of the er contamination in e quality and quantit treatment and disp	vestigations ty of ash waste				APCO	
		Location	Investigatio n Parameter	Investigatio n Period	Responsible Party					
		Cremators / flue / chimney and surround ing areas	Asbestos (building structures)	After decommissionin g but prior to demolition of the Existing	The Contractor					
		Cremators / flue / chimney and surrounding areas	Dioxins, heavy metals, PAH (ash waste)	Crematorium						
		to contain asbes inspected by ar presence of any and the addition information to t Samples shall be	stos containing ma egistered asbestos ACM. These areas nal findings submi che Asbestos Inves e analysed for the	k commencing, these areas suspected ng material (ACM) shall be further bestos consultant to determine the areas shall be thoroughly investigated ubmitted as supplementary Investigation Report. or the presence and type of asbestos						
		procedures. If the materials prese	he findings of the i nt on the premises	KLAS accredited tes nvestigation indicat s an Asbestos Abate encement of demolit	te ACM ment Plan					



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
		It is not currently possible to conduct inspection and sampling within the cremators, chimney and flues to assess the levels of contamination due to the operation of the crematorium. It is recommended that samples shall be collected from the potential areas of contamination for testing of dioxin, heavy metal and PAH after decommissioning and prior to the demolition of the Existing Crematorium.					
S.6.9.6 - S.6.9.7	S.5.3.1 5 - S.5.3.1 7	 Asbestos Containing Material Asbestos wastes shall be handled in accordance with the Code of Practice on the Handling, Transportation and Disposal of Asbestos Waste issued by the Environment and Food Bureau. Production, collection and disposal of Asbestos waste will follow the 'trip-ticket' system. The registered asbestos contractor shall appoint a licensed asbestos waste collector to collect the packaged asbestos waste and deliver it to the designated landfill for disposal. Notification has to be given to EPD for its disposal. EPD will normally require ten working days notice of the intention to dispose of any quantity of asbestos waste. After processing the notification, EPD will issue specific instructions and directions for disposal of the waste. The waste producer or agent must strictly follow these 	Cremator room in Existing Crematorium / before demolition and after decommission	Contractor	Construction Phase	COP on Handling, Transportation and Disposal of Asbestos Waste under the Waste Disposal (Chemical Waste) (General) Regulation.	NA
		directions. Dioxin Contaminated Materials (DCM) / Heavy Metal Contaminated Materials (HMCM) / Polyaromatic Hydrocarbon Contaminated Materials (PAHCM) from Demolition of the Existing Crematorium Proposed Contamination Classifications for Ash Waste with DCM / HMCM / PAHCM.	Cremator room in Existing Crematorium / before demolition and after decommission	Contractor	Construction Phase	ProPECC PN 3/94 APCO	NA



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EIA Ref	EM&A Ref.	Environmental Protect	ion Measures / M	litigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
		Classification of Contamination	Dioxin Level in ash waste	Heavy Metal Level / Polyaromatic Hydrocarbon in Ash Waste					
		Low Contaminated DCM/HMCM/PAHCM	<1 ppb TEQ	< Dutch "B" List					
		Moderately/Severely Contaminated HMCM/PAHCM	<1 ppb TEQ	> Dutch "B" List					
		Moderately Contaminated DCM	> 1 and < 10 ppb TEQ	Any Level					
		Severely contaminated DCM	>10 ppbTEQ	Any Level					
S.6.9.9	S.5.3.1 9	Demolition, Handling, Treat DCM / HMCM / PAHCM from			Cremator room in Existing Crematorium / demolition	Contractor	Construction Phase	ProPECC PN 3/94 APCO	NA
		Where the ash waste cont PAHCM, the contractor sh during demolition. Genera followed. The ash waste co	all avoid ash waste al dust suppression	becoming airborne measures shall be					
- S.6.9.14	S.5.3.2 0 - S.5.3.2 4	Demolition, Handling, Treat Severely Contaminated DCM Contaminated HMCM / PAH Crematorium Site preparation procedures:	1 and Moderately / 5 CM from Demolition	Severely 1 of the Existing	Cremator room in Existing Crematorium / demolition	Contractor	Construction Phase	Waste Disposal (Chemical Waste) (General) Regulation ProPECC PN 3/94	NA
		 Except the cremators/flue/chimney, all removable contaminated items shallbe removed as far as practicable to avoid obstructing the decontamination activities. Preliminary site decontamination of all debris shall be carried out 			APCO				
		using High Efficiency Part A chamber with three laye							



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EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status		
		top portion of the chimney above the roof.							
		A 3-chamber decontamination unit shall be constructed at the entrance to the cremators/flues/chimney for entry and exit from the work area. It shall comprise a dirty room, a shower room and a clean room of at least 1m x 1m base with 3 layers of fire retardant polythene sheet.							
		Workers shall carry out decontamination procedures before leaving the work area.							
		All workers shall wear full protective equipment, disposable protective overall, nitrile gloves, rubber boots, and full-face positive pressure respirator.							
		Warning signs in both Chinese and English shall be put up in conspicuous areas.							
		Site preparation procedures specific to severely contaminated DCM:							
		The walls, floor and ceiling of the cremator room shall be lined with 3-layers of fire retardant polythene sheets.							
		Air movers shall be installed at the cremator room, and at the bottom of the chimney to exhaust air from the work area. A stand by air mover shall alsobe installed with each of the air movers. Sufficient air movement shall be maintained to give a minimum of 6 air changes per hour to the work area.							
		New pre-filters and HEPA filters shall be used on the air movers.							
		Before commencement of the decommissioning work a smoke test with non- toxic smoke shall be carried out to ensure the air tightness of the containment.							
		Demolition and handling procedures:							
		The cremators/flue/chimney shall be removed from top down.							
		Scrubbing and HEPA vacuuming shall be used to remove any ash or residues attached to the cremators, flue, chimney and other building structures.							
		• Wastes generated from the contaminant or decontamination unit including the workers protection clothing shall be disposed of at landfill site.							
		After completion of removal, all surfaces shall be decontaminated by HEPA vacuum.							
		If any contaminated wastewater needs to be discharged out of the							



 site, it shall be properly treated to WPCO requirements with prior agreements with EPDon discharge standards. <i>Demolition and handling procedures specific to severely contaminated DCM:</i> The contaminated detached sections of the building structures shall be wrapped with 2 layers of fire retardant polythene sheets. A third layer shallbe wrapped and secured with duct tape. Wet wiping shall be used to decontaminate the outer layer. After completion of removal and decontamination, spray the innermost layerof the fire retardant polythene sheet with PVA. 					
 DCM: The contaminated detached sections of the building structures shall be wrapped with 2 layers of fire retardant polythene sheets. A third layer shallbe wrapped and secured with duct tape. Wet wiping shall be used to decontaminate the outer layer. After completion of removal and decontamination, spray the 					
 shall be wrapped with 2 layers of fire retardant polythene sheets. A third layer shallbe wrapped and secured with duct tape. Wet wiping shall be used to decontaminate the outer layer. After completion of removal and decontamination, spray the 					
Upon drying, peel off and dispose of at landfill site. Repeat for the other 2 layers disposing the final layer as contaminated wastes.					
Treatment and disposal procedures:					
Immobilise the ash waste by mixing with cement in the correct ratio as determined by pilot mixing and TCLP test.					
Place material in polythene lined steel drums for disposal at landfill. The drums should clearly be marked with "DANGEROUS CHEMICAL WASTE" in English and Chinese. Prior agreement of the disposal criteria must be obtained from EPD and the landfill operator.					
■ If the landfill disposal criteria cannot be met, disposal at the CWTC in TsingYi shall be considered.					
Chemical Waste	Project site /	Contractor	Construction Phase	Code of Practice on the	Implemented
Should any chemical waste be generated, the Contractor must register with the EPD as chemical waste producer.	demolition			Packaging, Labelling and Storage of	
All the chemical waste shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The chemical waste shall be stored and collected by an approved contractor for disposalat a licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.				Chemical Wastes Waste Disposal (Chemical Waste) (General) Regulation.	
(in TsingYi shall be considered. Chemical Waste Should any chemical waste be generated, the Contractor must registerwith the EPD as chemical waste producer. All the chemical waste shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The chemical waste shall be stored and collected by an approved contractor for disposalat a licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation. Principles of reuse and recycle chemical waste on site as far as	in TsingYi shall be considered.Project site / demolitionChemical WasteProject site / demolitionShould any chemical waste be generated, the Contractor must registerwith the EPD as chemical waste producer.demolitionAll the chemical waste shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The chemical waste shall be stored and collected by an approved contractor for disposalat a licensed facility in accordance with the Waste Disposal (Chemical Waste on site as far asPrinciples of reuse and recycle chemical waste on site as far as	in TsingYi shall be considered.Project site / demolitionContractorChemical WasteProject site / demolitionContractorShould any chemical waste be generated, the Contractor must registerwith the EPD as chemical waste producer.demolitionAll the chemical waste shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The chemical waste shall be stored and collected by an approved contractor for disposalat a licensed facility in accordance with the Waste Disposal (Chemical Waste on site as far asemolition	in TsingYi shall be considered.Project site / demolitionContractorConstruction PhaseChemical WasteProject site / demolitionContractorConstruction PhaseShould any chemical waste be generated, the Contractor must registerwith the EPD as chemical waste producer.demolitionContractorAll the chemical waste shall be handled according to the Code of 	in TsingYi shall be considered.Project site / demolitionContractorConstruction PhaseCode of Practice on the Packaging, Labelling and Storage of Chemical WastesAll the chemical waste shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The chemical waste shall be stored and collected by an approved contractor for disposalat a licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.Project site / demolitionContractorConstruction Phase Construction Phase demolitionCode of Practice on the Packaging, Labelling and Storage of Chemical Wastes



		Ty EMeri Report No.21					
EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.6.9.3	S.5.3.2	Containers used for the storage of chemical waste shall:					
	8	Be suitable for the substance they are holding, resistant to corrosion, maintained in good condition, and securely closed.					
		■ Have a capacity of less than 450 litres unless the specifications havebeen approved by the EPD.					
		Display a label in English and Chinese in accordance with instructions prescribed in Schedule 2 of the Waste Disposal (Chemical Waste) (General) Regulation.					
S.6.9.4	S.5.3.2	The storage area for chemical waste shall:					
	9	Be clearly labelled and used solely for the storage of chemical waste.					
		Be enclosed on at least 3 sides.					
		■ Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest.					
		Have adequate ventilation.					
		Be covered to prevent rainfall entering (water collected within the bundmust be tested and disposed as chemical waste if necessary).					
		Be properly arranged so that incompatible materials are adequately separated.					
S.6.9.25	S.5.3.3	Disposal of chemical waste shall be:					
	0	Via a licensed waste collector.					
		A facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility at Tsing Yi, which offers a chemical waste collection service and can supply the necessary storage containers. or					
		A waste recycling plant approved by EPD.					



		IY EMAA REPORT NO.21				CONSULTING	
EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.6.7.27 - S.6.7.28	S.5.3.3 1 - S5.3.3 2	 General Refuse General refuse shall be stored in enclosed bins or compaction units separate from C&D and chemical wastes. A reputable waste collector shall be employed by the contractor to remove general refuse from the site, separately from C&D and chemical wastes, on a daily or every second day basis to minimise odour, pest and litter impacts. Individual collectors often recover aluminium cans from the waste stream if they are segregated or easily accessible. Therefore, separately labelled bins for their deposit shall be provided if feasible. Similarly, plastic bottles and carton package material generated on site shall be reduced through recycling of paper if volumes are large enough to warrant collection. Participation in a local collection scheme shall be considered if one is available. 	Project site / construction and demolition stages	Contractor	Construction Phase		Implemented
Waste Ma	anageme	ent (EM&A)		1			
S.11.2.17		Supplementary site investigations shall be conducted for asbestos in building structures and for dioxins, heavy metals and PAH in ash/particular matter samples.	Cremators / flue / chimney and surrounding area. After decommissioni ng but prior to demolition	Contractor	Construction Phase	ProPECC PN 2/97 and 3/94 AIR, AMP/AAP to be submitted under APCO Future Supplementary Investigation Site Plan	NA
Landscap	e and Vi	isual (Construction Phase)	-				•
S.7.9.2 MC 1	S.6.3.1	 Site offices and construction yards: Site offices shall have olive green roof and façade coating or colour matches with existing environment. Site offices and the construction yard shall be decommissioned after construction. 	All site offices / Design and construction phases	ArchSD's Contractor	Construction Phase		Implemented
S.7.9.2 MC 2	S.6.3.1	 Height of site offices: The height of site offices, including the rooftop shall not exceed 10m. Building services equipment such as antennas may exceed 10m and shall be coated in black. 	All site offices / Design and construction phases	ArchSD's Contractor	Construction Phase		Implemented



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.7.9.2 MC 3	S.6.3.1	 Hoarding and screening: Where practical the site offices areas, construction yards and storage areas shall be screened using colour in harmony with the surrounding environment around the peripheries of the works area until the completion of relevant construction phases. 	All site offices and construction yard areas / Design and construction phases	ArchSD's Contractor	Construction Phase		Implemented
S.7.9.2 MC 4	S.6.3.1	 Construction plant and building material: Shall be orderly and carefully stored in order to appear neat and avoid visibility from outside where practical. Excess materials shall be removed from site as soon as practical. All construction plants shall be removed from site upon completion of construction works. 	Works site / Design and construction phases	ArchSD's Contractor	Construction Phase		Implemented
S.7.9.2 MC 5	S.6.3.1	 Construction light: To be oriented away from the viewing location of VSRs. All lighting facing sensitive receiver shall have frosted diffusers and reflective covers. 	All construction lights / Design and construction phases	ArchSD's Contractor	Construction Phase		Implemented
S.7.9.2 MC 6	S.6.3.1	Silting trap: Silting traps shall be installed to minimise silting to streams.	Streams / Construction phase	Contractor	Construction Phase		NA
S.7.9.3 MT 1	S.6.3.1	Compensation for losses:The tree compensation to tree loss ratio shall be at least 1:1 in term of quantity.	Within the Wo Hop Shek Crematorium	ArchSD's Contractor	Construction Phase	ETWB TCW No. 2/2004 ETWB TCW No. 3/2006	NA
S.7.9.3 MT 2	S.6.3.1	Where practical, trees that require removal shall be transplanted on Site.	Work site / Design and construction phases	ArchSD's Contractor	Construction Phase	ETWB TCW No. 2/2004 ETWB TCW No. 3/2006	Implemented



EIA Ref EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.7.9.3 S.6.3.1 MT 3	 Amenity planting: Planting works shall be carried out under the supervision of a specialist landscape sub-contractor. The rooftop of the cremation plant room shall be planted with lawn. Open spaces shall be included Project. Screen planting such as planting a roll of trees along the site boundary butting Kiu Tau Road shall be carried out. New trees, shrubs and groundcover shall be carefully selected and designed to homogenize with the environment. 	As shown on mitigation measure plans / All phases	ArchSD's & FEHD's Contractor	Construction Phase	ETWB 2/2004	NA
S.7.9.3 S.6.3.1 MT 4	 Woodland mix planting: Woodland mix, comprising of tree seedlings and shrubs, shall be planted within the Wo Hop Shek Cemetery to enhance the ecological value and compensatory of tree loss. 	Within the Wo Hop Shek Cemetery / All phases	ArchSD's Contractor	Construction Phase	ETWB TCW No. 2/2004ETWB TCW No. 3/2006	NA
S.7.9.3 MT 5	 No tree shall be transplanted or felled without prior approval by relevant Government departments. All trees that are marked for retention shall be fenced off with a 1.2mhigh fence around the dripline of trees or larger area as far as feasible. Transplant preparation works shall be carried as soon as possible after commencement of construction. Over-pruning such as hard pruning of tree crown, pollarding or topping shall be avoided. Rootball and crown pruning shall be carried out over at least 3 months. Existing shrub and ground cover planting areas that will not be removed shall be maintained in good condition and enhanced 	Work site / All phases	ArchSD's Contractor	Construction Phase	ETWB TCW No. 2/2004 ETWB TCW No.	Implemented
S.7.9.4 S.6.3.1 MB 1	where practical. The 10m height headroom cremation plant room shall be half sunken to reduce the visual impact to pedestrians.	Cremation plant room / Design phase	ArchSD's Contractor	Construction Phase		NA
S.7.9.4 S.6.3.1 MB 2	The chimney shall be designed to have sculptural outlook and articulated.	Chimney / Design phase	ArchSD's Contractor	Construction Phase		NA
		Chimney /	ArchSD's	Construction Phase		NA



·		ny Enterineport no.21					
EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.11.2.23 - S.11.2.24	S.6.2	Details of the inspection frequency and parameters will be outlined in the EM&A Manual.	Work site / Construction	Contractor	Construction Phase		NA
	ality (C	onstruction Phase)					
		Construction Runoff and Drainage	Work site /	Contractor	Construction Phase	ProPECC PN 1-	Implemented and
- S.8.7.4		Wastewater shall be properly treated to meet the discharge standards set out in the relevant Water Pollution Control Ordinance (WPCO) discharge licence. No direct discharge of site runoff into the two streams shall be allowed.	Construction			94 & WPCO	rectified according to observation
		Provision of perimeter channels to intercept storm runoff from outside the Site. These shall be constructed in advance of site formation works and earthworks.	i leto s				
		Sand/silt removal facilities such as sand traps, silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the WPCO.					
		Works shall be carefully programmed to minimise soil excavation works during rainy seasons.					
		Exposed soil surface shall be protected by paving as soon as possible to reduce the potential of soil erosion.					
		Temporary access roads shall be protected by crushed gravel and exposed slope surfaces shall be protected when rainstorms are likely to occur.					
		Trench excavation shall be avoided in the wet season as far as practicable, and if necessary, these trenches shall be excavated and backfilled in short sections.					
		Open stockpiles of construction materials on Site shall be covered with tarpaulin or similar fabric during rainstorms.					
		Sand and silt in the wash water from the wheel from the wheel washingfacility shall be settled out and removed before discharging into the storm drain.					
		Oil receptor shall be provided in the drainage system and regularly emptied to prevent the release of oil and grease into the storm drainage system after accidental spillage.					



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
S.8.7.5	S.7.2.3	 General Construction Activities Debris and rubbish generated on Site shall be collected, handled and disposed of properly to avoid them entering the two streams. All fuel tanks and storage areas shall be provided with locks and be 	Work site / Construction phase	Contractor	Construction Phase	ProPECC PN 1- 94 & WPCO	Implemented
		sited on sealed areas, within bunds of a capacity equal to 110% of the storagecapacity of the largest tank.					
		Open storm water drains and culverts near the works area shall be covered to block the entrance of large debris and refuse.					
S.8.7.6	S.7.2.4	Sewage from On-site Workforce:	Work site / Construction	Contractor	Construction Phase	WPCO	Implemented
		Portable chemical toilets shall handle the sewage from construction work force if the existing toilets in the Site are not adequate. Licensed contractors who shall be responsible for appropriate disposal and maintenance of these facilities shall provide appropriate and adequate portable toilets.	phase				
		Sheet piling shall be provided at suitable location around the basement excavation to reduce the effect of lowering the water table from any dewatering process. Any discharge of groundwater pumped out from any dewatering process of the construction works shall be treated to comply with the standards set in the relevant discharge licence prior discharge. No discharge of the groundwater shall be allowed into the two streams.					
ŝ	Constru	ction Phase)					-
S.9.8.3 -	S.8.3.1	 Mitigation to minimise impacts on habitat and vegetation loss: Layout of the Project shall be carefully designed to avoid or minimise thearea of habitat loss and the numbers to trees to be felled. All trees shall be preserved as far as possible, especially species of conservation concern. Recommendations to be provided in the Tree Survey Report to mitigate impacts on trees shall be followed. 	Work site particularly semi- natural woodland / Design and construction phases.	Arch SD / Contractor	Construction Phase	ETWB Technical Circular No. 3/2006	Implemented
		Disturbance of individuals of the shrub / tree Transplantation of the two shrub / tree species of conservation concern, namely Aquilaria sinensis and Cibotium barometz, shall be avoided. Where loss of these species would be unavoidable, it is recommended to transplant them to same habitats with similar conditions. Following transplantation, regular monitoring of these trees shall be conducted by a suitable qualified botanist / horticulturist over a 12-					



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
		 month period. Transplantation of any affected trees to grassland / scrubland within the Wo Hop Shek Cemetery. Compensatory planting of the felled trees shall follow the Technical Circular No. 3/2006 issued by ETWB. 					
S.9.8.15 - S.9.8.16	S.8.3.1	Mitigation to construction runoff through general good site practice:	Work site / Construction phase	Contractor	Construction Phase	ETWB Technical Circular (Works) No. 5/2005.	Implemented
		Temporary access to the work sites shall be carefully planned and located to minimise disturbance caused to the streams and nearby habitats.					
		Use of less or smaller construction plant may be specified toreduce disturbance to the streams and nearby habitats.					
		Temporary sewage system shall be designed and installed to collect wastewater and prevent it from entering the streams and nearby habitats.					
		■ The Site inside or in the proximity of the streams and nearby habitats shallbe temporarily isolated, such as by placing of sandbags or silt curtains with lead edge at bottom and properly supported props, to prevent adverse impacts on these areas.					
		Natural bottom and existing flow in the streams shall be preserved as muchas possible to avoid disturbance to the stream habitats.					
		Proper locations well away from the streams and nearby habitats for temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction debris and spoil shall be identified before commencement of the works.					
		Stockpiling of construction materials, if necessary, shall be properly covered and located away from the streams and nearby habitats.					
		Construction debris and spoil shall be covered up and/or properly disposed of as soon as possible to avoid being washed into the streams and nearby habitats by rain.					
		Construction effluent, site runoff and sewage shall be properly collected and/or treated.					



							1
EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
		Proper locations for discharge outlets of wastewater treatment facilities well away from the streams and nearby habitats shall be identified.					
		Vehicles and other plant shall be carefully maintained and properly used to minimise the chance for accidental spillage.					
		Any spillages that do occur shall be quickly identified and appropriately cleaned up before they can contaminate streams or groundwater.					
		Temporary geo-textile silt fences around earth moving works shall beerected to trap any sediments being washed away and prevent them from entering surrounding areas.					
		Silt traps shall be installed at points where drainage from the Site enters temporary sewage system.					
		Exposed soil or other loose materials shall be covered with tarpaulins to prevent erosion, and then seeded and covered with a biodegradable geo- textile blanket for erosion control purposes.					
S.9.8.18		Mitigation to protect the groundwater:	Work site /	Contractor	Construction Phase		NA
		Basement formation or any construction activities likely to pump out a large quantity of groundwater shall be protected with sheet-piling at suitable locations around the basement footprint, or by any like method.	Construction phase				
		No groundwater shall be pumped back to the two stream courses to protect the natural integrity of the stream habitat and the associated organism.					
S.9.8.20	S.8.3.1	Mitigation for noise and other disturbance on ecological integrity:	Work site /	Contractor	Construction Phase		Implemented
		Use of sturdy 1.8 metres protective fencing shall be located at the edge of the tree canopy but not around the trunk.	Construction phase				
		Works beneath the tree canopy shall be avoided: If encroachment under the canopy area is unavoidable, adequate protections shall be provided toensure no damage of any part of the tree would occur due to the encroachment.					
		An approved Landscape Contractor shall implement any tree transplanting and planting works. Quality control of the work shall be undertaken by a qualified Landscape Architect through site inspections and approval of works.					



EIA Ref	EM&A Ref.	Environmental Protection Measures / Mitigation Measures	Location / Timing	Implementation Agent	Implementation Stage	Relevant Legislation and Guidelines	Implementation Status
		Construction works shall be restricted to works area which are clearly defined.					
		Woodland or other habitats that would be affected by the construction works shall be well-defined and minimised.					
		Human inference to habitats beyond the site boundary and habitats proposed to be retained shall be avoided by providing temporary barricades.					
		Works area shall be reinstated immediately after completion of the construction.					
		Waste and other garbage generated during the construction of the proposed development shall be dumped properly.					
		Uncontrolled fire shall be strictly prohibited. Appropriate fire control measures shall be provided in order to protect nearby habitats.					
Ecology (EM&A)		·				·
S.9.11	S.8.2.1	Audit/Inspection:	Work site /	Contractor	Construction Phase		Implemented
& S.11.2.29		Regular site audit / inspection shall be conducted at least once a week to inspect the implementation of the recommended mitigation measures (details to be outlined in the EM&A Manual).	Construction phase				
S.11.2.32	S.8.2.2	Monitoring on Transplantation:	Work site /	Contractor	Construction Phase		Implemented
- S.11.2.33	- S.8.2.4	Trees requiring transplantation or protection shall be identified based on the information illustrated in the Tree Survey Report.	Construction phase				
		Regular monitoring after transplantation of Aquilaria sinensis and Cibotium barometz individuals shall be conducted to check on the health and conditions of the plants. Monitoring shall cover the 12-month period following transplantation. The monitoring shall be conducted by a suitably qualified botanist / horticulturist at least twice a month for the first four months after transplantation, and once a month for the remaining eight months.					



APPENDIX D: IMPACT MONITORING SCHEDULE OF THE REPORTING MONTH



	Impact Monitoring Schedule for Expansion of Wo Hop Shek Crematorium							
	Nov-21							
Sun	Mon 1	Tue	Wed 3	Thur	Fri	Sat 6		
		Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630	Weekly ET site inspection and audit	4				
7	8	9	10	11	12	13		
	Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630				Weekly ET site inspection and audit	Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630		
14	15	16	17	18	19	20		
			Weekly ET site inspection and audit		Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630			
21	22	23	24	25	26	27		
			Weekly ET site inspection and audit	Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630				
28	29	30						

*Remarks: 1. This impact monitoring schedule is subject to change due to adverse weather conditions or other rationales.

2. Advance notification of the changes will be given to all relevant parties at lease 48 hours prior to implementation.



APPENDIX E: EVENT/ACTION PLAN FOR DUST EXCEEDANCE



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



Event	Action							
Event	ET	IEC	AR	Contractor				
	8. If exceedance stops, cease additional monitoring.							
Limit Level		1		-				
1. Exceedance for one sample	 Identify source, investigate the causes of exceedance and propose remedial measures; Inform IEC, AR, Contractor and EPD; Repeat measurement to confirm finding; Increase monitoring frequency to daily; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and AR informed of the results. 	 Check monitoring data submitted by ET; Check Contractor's working method; Discuss with ET and Contractor on possible remedial measures; Advise the AR on the effectiveness of the proposed remedial measures; Supervise implementation of remedial measures. 	 Confirm receipt of notification of exceedance in writing; Notify Contractor; Ensure remedial measures properly implemented. 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within three working days of notification; Implement the agreed proposals; Amend proposal if appropriate. 				
2. Exceedance for two or more consecutive samples	 Notify IEC, AR, Contractor and EPD; Identify source; Repeat measurement to confirm findings; Increase monitoring frequency to daily; Carry out analysis of Contractor's working 	 Discuss amongst AR, ET, and Contractor on the potential remedial actions; Review Contractor's remedial actions whenever necessary to assure their effectiveness and advise the AR accordingly; 	 Confirm receipt of notification of exceedance in writing; Notify Contractor; In consultation with the IEC, agree with the Contractor on the remedial measures to be implemented; 	 Take immediate action to avoid further exceedance; Submit proposals for remedial actions to IEC within three working days of notification; Implement the agreed proposals; 				



Event	Action						
Event	ET	IEC	AR	Contractor			
	 procedures to determine possible mitigation to be implemented; 6. Arrange meeting with IEC and AR to discuss the remedial actions to be taken; 7. Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and AR informed of the results; 8. If exceedance stops, cease additional monitoring. 	3. Supervise the implementation of remedial measures.	 Ensure remedial measures properly implemented; If exceedance continues, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is abated. 	 Resubmit proposals if problem still not under control; Stop the relevant portion of works as determined by the AR until the exceedance is abated. 			



APPENDIX F: DUST MONITORING EQUIPMENT CALIBRATION CERTIFICATE



InnoTech Instrumentation Co. Ltd.

創新科儀有限公司

	HIVOL SAMPLER	CALI	BRATION	DATA S	HEET (TSP)
Site Information					
Location:	Fung Kai Liu Yun Sum Memorial School	Site ID:	A10	Date:	02-Nov-2021
Serial No:	1049	Model:	TE-5170X	Operator:	Casey Lau

Ambient Condition					
Corrected Pressure (mm Hg):	763.5	Temperature (deg K):	298.1		

Calibration Orifice						
Model: TE-5028A Slope: 1.64554						
Serial No.:	3702	Intercept:	-0.00368			
Calibration Due Date:	3-Aug-21	Corr. Coeff:	0.99975			

Calibration Data							
Plate or	Plate or In,H2O Qa, X-Axis I, CFM IC, Y-Axis						
Test #	(in)	(m3/min)	(chart)	(corrected)			
1	1.45	0.736	31.6	31.64			
2	2.30	0.926	34.1	34.17			
3	3.43	1.130	37.6	37.69			
4	4.67	1.319	40.5	40.60			
5	5.66	1.451	42.6	42.67			

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

m=	15.6365	b=	19.9615	Corr. Coeff=	0.9994
Samp	ler set point(SSP)	39	CFM		
Qstd = 1/m[Sqrt(IC = I[Sqrt(Pa/Ps	H2O(Pa/Pstd)(Tstd/Ta))-b] td)(Tstd/Ta)]	(Calculations m = sampler slope b = sampler intercept l = chart response		
Qstd = standard	flow rate		Tav = average temperature		
IC = corrected ch	•		Pav = average pressure		
I = actual chart r m = calibrator (•				
b = calibrator Q					
	erature during calibration (de	eg K)			
Pa = actual pres	sure during calibration (mm H	Hg)			
Tstd = 298 deg K					
Pstd = 760 mm Hg For subsequent calculation of sampler flow: (1.21*m+b)/[Sqrt(298/Tav)(Pav/760)]					
Checked by:	£'		Date:	02-Nov	7-2021



InnoTech Instrumentation Co. Ltd.

創新科儀有限公司

	HIVOL SAMPLER	CALI	BRATION	DATA S	HEET (TSP)	
Site Information						
Location:	Fung Kai Liu Yun Sum Memorial School	Site ID:	A10	Date:	19-Nov-2021	
Serial No:	1049	Model:	TE-5170X	Operator:	Casey Lau	

Ambient Condition				
Corrected Pressure (mm Hg):	759.2	Temperature (deg K):	296.0	

Calibration Orifice						
Model: TE-5028A Slope: 1.64554						
Serial No.:	3702	Intercept:	-0.00368			
Calibration Due Date:	3-Aug-21	Corr. Coeff:	0.99975			

	Calibration Data							
Plate or	In,H2O	,H2O Qa, X-Axis I, CFM IC, Y-Axis						
Test #	(in)	(m3/min)	(chart)	(corrected)				
1	1.47	0.742	30.5	30.56				
2	2.28	0.922	33.3	33.44				
3	3.40	1.126	36.9	37.04				
4	4.59	1.308	39.4	39.51				
5	5.58	1.442	41.5	41.61				

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

m=	15.7731	b=	18.9569	Corr. Coeff=	0.9991
Sam	pler set point(SSP)	38	CFM		
			Calculations		
Qstd = 1/m[Sqrt	(H2O(Pa/Pstd)(Tstd/Ta))-b]		m = sampler slope		
IC = I[Sqrt(Pa/Ps	std)(Tstd/Ta)]		b = sampler intercept		
			I = chart response		
Qstd = standard	l flow rate		Tav = average temperature		
IC = corrected cl	hart response		Pav = average pressure		
I = actual chart	response				
m = calibrator	Qstd slope				
b = calibrator C	lstd intercept				
Ta = actual temp	perature during calibration (de	eg K)			
Pa = actual pres	sure during calibration (mm H	lg)			
Tstd = 298 deg K					
Pstd = 760 mm ł	Чg				
For subsequent	calculation of sampler flow:				
(1.21*m+b)/[Sqr	t(298/Tav)(Pav/760)]				
	Z'				
Checked by:	l		Date:	19-Nov	7-2021



InnoTech Instrumentation Co. Ltd.

創新科儀有限公司

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information					
Location:	Fanling Government School	Site ID:	A20	Date:	02-Nov-2021
Serial No:	1050	Model:	TE-5170X	Operator:	Casey Lau

Ambient Condition				
Corrected Pressure (mm Hg):	763.5	Temperature (deg K):	298.1	

Calibration Orifice						
Model: TE-5028A Slope: 1.64554						
Serial No.:	3702	Intercept:	-0.00368			
Calibration Due Date:	3-Aug-21	Corr. Coeff:	0.99975			

	Calibration Data							
Plate or	In,H2O	H2O Qa, X-Axis I, CFM IC, Y-Axis						
Test #	(in)	(m3/min)	(chart)	(corrected)				
1	1.50	0.748	33.2	33.30				
2	2.70	1.002	36.9	36.93				
3	3.78	1.187	39.4	39.45				
4	4.40	1.279	40.6	40.72				
5	5.00	1.365	42.1	42.20				

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

m=	14.2298	b=	22.6372	Corr. Coeff=	0.9996
Sam	pler set point(SSP)	40	CFM		
Qstd = 1/m[Sqrt IC = I[Sqrt(Pa/Ps	(H2O(Pa/Pstd)(Tstd/Ta))-b] std)(Tstd/Ta)]		Calculations m = sampler slope b = sampler intercept l = chart response		
	hart response response Qstd slope Qstd intercept perature during calibration (de ssure during calibration (mm H	-	Tav = average temperature Pav = average pressure		
	Hg calculation of sampler flow: rt(298/Tav)(Pav/760)]				
Checked by:	\$'		Date:	02-Nov	v-2021



InnoTech Instrumentation Co. Ltd.

創新科儀有限公司

HIVOL SAMPLER CALIBRATION DATA SHEET (TSP)

Site Information					
Location:	Fanling Government School	Site ID:	A20	Date:	19-Nov-2021
Serial No:	1050	Model:	TE-5170X	Operator:	Casey Lau

Ambient Condition				
Corrected Pressure (mm Hg):	759.2	Temperature (deg K):	296.0	

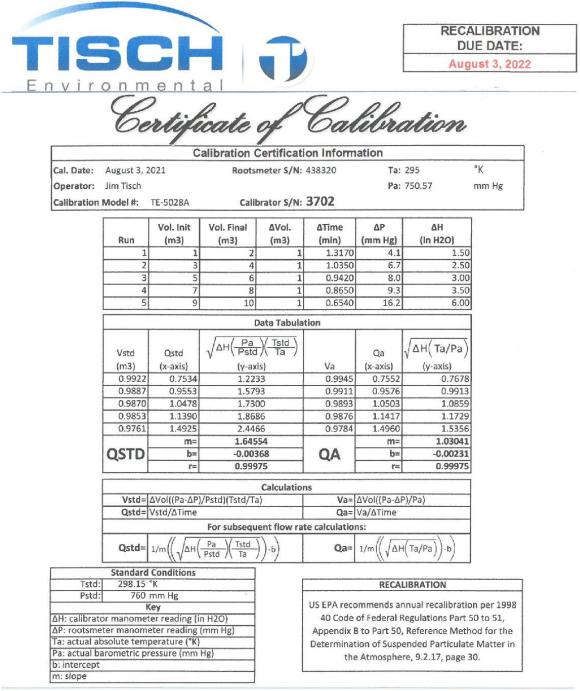
	Calibration Orifice		
Model:	TE-5028A	Slope:	1.64554
Serial No.:	3702	Intercept:	-0.00368
Calibration Due Date:	3-Aug-21	Corr. Coeff:	0.99975

		Calibration Data		
Plate or	In,H2O	Qa, X-Axis	I, CFM	IC, Y-Axis
Test #	(in)	(m3/min)	(chart)	(corrected)
1	1.50	0.750	32.2	32.26
2	2.64	0.993	36.1	36.20
3	3.75	1.182	38.6	38.71
4	4.35	1.273	39.9	40.05
5	4.90	1.352	41.1	41.22

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

m=	14.7290	b=	21.3377	Corr. Coeff=	0.9992
Samp	ler set point(SSP)	39	CFM		
		(Calculations		
Qstd = 1/m[Sqrt(H2O(Pa/Pstd)(Tstd/Ta))-b]		m = sampler slope		
IC = I[Sqrt(Pa/Ps	td)(Tstd/Ta)]		b = sampler intercept		
			I = chart response		
Qstd = standard	flow rate		Tav = average temperature		
IC = corrected ch	art response		Pav = average pressure		
I = actual chart r	esponse				
m = calibrator C	lstd slope				
b = calibrator Q	std intercept				
Ta = actual temp	erature during calibration (de	eg K)			
Pa = actual pres	sure during calibration (mm H	lg)			
Tstd = 298 deg K					
Pstd = 760 mm H	g				
For subsequent of	calculation of sampler flow:				
(1.21*m+b)/[Sqr	t(298/Tav)(Pav/760)]				
	Z'				
Checked by:			Date:	19-Nov	-2021





Tisch Environmental, Inc.

145 South Miami Avenue

village of Cleves, OH 45002

www.tisch-env.com TOLL FREE: (877)263-7610 FAX: (513)467-9009



Jnit-under-T	ion Test Date: est- Model No est Serial No.		1-Jul-22		1-Jul-21				
Jnit-under-T			Sibata LD-5R						
			761173						
	efrence No.		RPT-21-HVS-	0003					
									\sim
itandard Eq	uipment Info	ormation		T: 17 TOD	77.1.10.05	-			
/erification E	quipment Typ	e		Tisch's TSP HVS	Tish HVS Calibrator				
tandard Equ	ipment Mode	l No.		TE-517(X	TE-5028			n	
quipment se	•		MFC	1049	1050			//	•
ast Calibrati	on Date			17-Jun 21	24-Sep-20			11	
lext Calibrat	ion Date			17-Aug 21	24-Sep-21]		- 11	
			Time		K-Factur	Counts/			Dust Concentration
Verification			Time		K-Facto	Minute (R)	Total	sP S ^r .mple	(ug/m3), (C)
Test No.	Date			Elapsed			Counts	אסייט No.	(08)
		Start-tim -	Endonne	ime	K-Factor (K-C/R)	x-axis	(1C)		y axis
				(in min)					,
1	27/6/2021	12',4.? /	1257.37	180.00	0.00119	27.90	2652	R210872/1	33.33
2	27/6/2021	1 .58 44	1261.44	180.00	0.00050	61.70	1539	R210872/2	59.26
3	27/6/2021	1 262.31	1265.31	1°5.00	0.00097	10.00	1983	R210872/3	9.72
4 5	1/7/2021 1/7/2021	1. 65.81 12. 9.10	1268.8 ⁴ 1272.10	180.00 180.00	0.00093	78.30 14.40	2313 1407	R210887/1 R210887/2	73.15 13.89
6	1/7/2021	1272.50	1275.50	1.30.00	0.00084	28.50	1299	R210887/2	24.07
				-	0.00098				
K-Factor t	o be inputted	in LD-5R (co	rrected 1 dec	imal point):	1.0				
ly Linear Por	ression of y or	- ×·							
y Linear Neg	slope, mh=	0.9280					Veri	fication Cur	ve
in	tercept,ch=	1.4222			80	0.00			
Correlation	Coemicant R=	0.9917			70	0.00	0.000	4 4000	
Verificatio	n Test Result:				pted. Ü		r = 0.928x + R ² = 0.98		
	lation Coeffici		Checking and		ation	D .00			
					centr	2.00			
If the Corre Re-verification	n are required				24 4E	Đ ,00	• /		
	n a e required								
	n are required)/	Dust (0.00	1		
	n a e required			\bigvee	Dust Concentration(C	0.00	/•		
				\mathcal{V}	20	0.00			
	Technical Ma		Date:	20-07-2021	10	0.00	26.00	46.00 66. nt/Minute (R)	00 86.00



Jnit-under-To Jnit-under-To Dur Report R			1-Jul-22		1-Jul-21				
Unit-under-To Our Report R	est Serial No.								
Our Report R			Sibata LD-5R		\sim				
	entence No.		761174 RPT-21-HVS-	.0004					
Standard Eo			111211105	0004					
	uipment Info	rmation							\setminus /
Verification E	quipment Type	2		Tisch's TSF	Tish HVS Calibrator				
	ipment Model			HVS TE-517 JX	Calibrator TE-5028			1	
Equipment se			MFC	104)	1050			//	4
Last Calibrati				17-Jur -21	24-Sep-20			11	
Next Calibrat	ion Date			17-Au _ł -21	24-Sep-21				
			Time		K Factor	Counts/			Dust
Verification			Time		K-Facurr	Minute (R)	Total	SP Sample	Concentration (ug/m3), (C)
Test No.	Date			Elapsed			Counte	D No.	(-8/)) (-)
		Start-tim.e	F".d-unic	Time	K-Factor (X=C/R)	x-axis	(TC)		y axis
				(in min)					,
1	27/6/2021	17 54 '57	1257.37	180.00	0.00098	34.00	6120	R210872/1	33.33
2	27/6/2021	1 258 .44	1261.44	180.00	0.00035	62.33	11220	R210872/2	59.26
3 4	27/6/2021 1/7/2021	262 31 1265.24	1265.31 1268.81	100.00 180.00	0.00122	8.00 73.33	1440 13200	R210872/3 R210887/1	9.72 73.15
5	1/7/2021	1265.04	1208.4	180.00	0.00116	12.00	2160	R210887/1	13.89
6	1/7/2021	1272 50	1275.50	100.00	0.00103	23.33	4200	R210887/3	24.07
					0.00106				
K-Factor	to be inputted	in LD-5R (co	rrected 1 dec	imal point):	1.1				
By Lincor Bog	reccion of y on	v.					Vori	fi + i C	
By Linear Reg	ression of y on slope mh=						ven	fication Cur	ve
	ression of y on slope, mh= ntercept,ch=	x: 0.9476 1.9320		$\overline{\ }$	80	0.00	ven	fication Cur	ve
i	slope, mh=	0.9476				0.00			•
ir *Corr vlation	slope, mh= ntercept,ch=	0.9476 1.9320 0.9989	lation, Result	s were accer		0.00 y = 0.9	0476x + 1.93 = 0.9978		•
ir Correlation Verilicatic Fif the Corre	slope, mh= ntercept,ch= Coemciont R= on Test Result: It too. Coefficie	0.9476 1.9320 0.9989 <u>Stron_b Corre</u> ent, R is <0.5.				0.00 y = 0.9	9476x + 1.93		•
in Correlation Verilicatio * If the Corre	slope, mh= ntercept,ch= Coemciont R= on Test Result:	0.9476 1.9320 0.9989 <u>Stron_b Corre</u> ent, R is <0.5.				0.00 y = 0.9	9476x + 1.93		•
ir Correlation Verilicatic Fif the Corre	slope, mh= ntercept,ch= Coemciont R= on Test Result: It too. Coefficie	0.9476 1.9320 0.9989 <u>Stron_b Corre</u> ent, R is <0.5.				0.00 y = 0.9	9476x + 1.93		•
ir Correlation Verilicatic Fif the Corre	slope, mh= ntercept,ch= Coemciont R= on Test Result: It too. Coefficie	0.9476 1.9320 0.9989 <u>Stron_b Corre</u> ent, R is <0.5.				0.00 y = 0.9	9476x + 1.93		•
in Correlation Verilicatio F If the Corre	slope, mh= ntercept,ch= Coemciont R= on Test Result: It too. Coefficie	0.9476 1.9320 0.9989 <u>Stron_b Corre</u> ent, R is <0.5.			Dust Concentration(C) 60 Dust Concentration(C) 70 Dust Concentration	0.00 y = 0.9	9476x + 1.93		•
in Correlation Verilicatio If the Corre	slope, mh= ntercept,ch= Coemciont R= on Test Result: It too. Coefficie	0.9476 1.9320 0.9989 <u>Stron_b Corre</u> ent, R is <0.5.			کر 100 Concentration 100 Conc	y = 0.9 y = 0.9 R^2 0.00 R^2 0.00 0.00 0.00	9476x + 1.93		•
in Correlation Verilicatio If the Corre	slope, mh= ntercept,ch= Coemciont R= on Test Result: It too. Coefficie	0.9476 1.9320 0.9989 <u>Strong Corre</u> nt, R is <0.5.	Checking and		کر 100 Concentration 100 Conc	0.00 y = 0.9 0.00 R ² 0.00	1476x + 1.93 = 0.9978		·



APPENDIX G: THE CERTIFICATION OF LABORATORY CERTIFICATE





This accreditation to ISO/IEC 17025:2017 demonstrates technical competence for a defined scope and the implementation of a management system relevant to laboratory operation (see joint IAF-ILAC-ISO Communiqué). 此項 ISO/IEC 17025:2017 的認可資格證明此實驗所具備指定範疇內所導的技術能力並 實施一套與實驗所證作相關的管理體系 (見圖原题可論證 - 圖解實驗所認可合作相識及圖解標準化相識的聯合公報)。

The common seal of HKAS is affixed hereto by the authority of the HKAS Executive 現經香港認可處執行機關授權在此蓋上香港認可處的印章

SHUM Wai-leung, Executive Administrator 執行幹事 沈偉良 Issue Date: 28 February 2020 簽發日期:二零二零年二月二十八日

Registration Number : HOKLAS 066 註冊號碼 :



Date of First Registration : 15 September 1995 首次註冊日期:一九九五年九月十五日

This certificate is issued subject to the terms and conditions laid down by HKAS 本證書按照書灌認可處訂立的條款及條件發出 L001934





Hong Kong Accreditation Service 香港認可處

Certificate of Accreditation 認可證書

> This is to certify that 特此證明

ACUMEN LABORATORY AND TESTING LIMITED

浩科檢測中心有限公司

Lot 12, Tam Kon Shan Road, North Tsing Yi, New Territories, Hong Kong 香港新界青衣北担杆山路12路段

is accredited by the Hong Kong Accreditation Service (HKAS) to ISO/IEC 17025:2017 for performing specific laboratory activities as listed in the scope of accreditation within the test category of 獲香港館可處根據ISO/IEC 17025:2017認可 進行載於認可範圍內下感測試類別中的指定實驗所活動

> Environmental Testing 環境測試

This accreditation to ISO/IEC 17025:2017 demonstrates technical competence for a defined scope and the implementation of a management system relevant to laboratory operation (see joint IAF-ILAC-ISO Communiqué). 此項 ISO/IEC 17025:2017 的認可資格證明社實驗所具傳描定範疇內所須的技術能力並 實施一業與實驗所運作相關的管理體系 (見圖應認可論進、國際實驗所認可合作組織及國際標準化組織的聯合公報)。

The common seal of HKAS is affixed hereto by the authority of the HKAS Executive 現經香港認可處執行機關授權在此蓋上香港認可處的印章

SHOM Wal-leung, Executive Administrator 執行幹事 沈偉良 Issue Date: 2 December 2019 簽發日期:二零一九年十二月二日

Registration Number : HOKLAS 241 註冊號碼 :



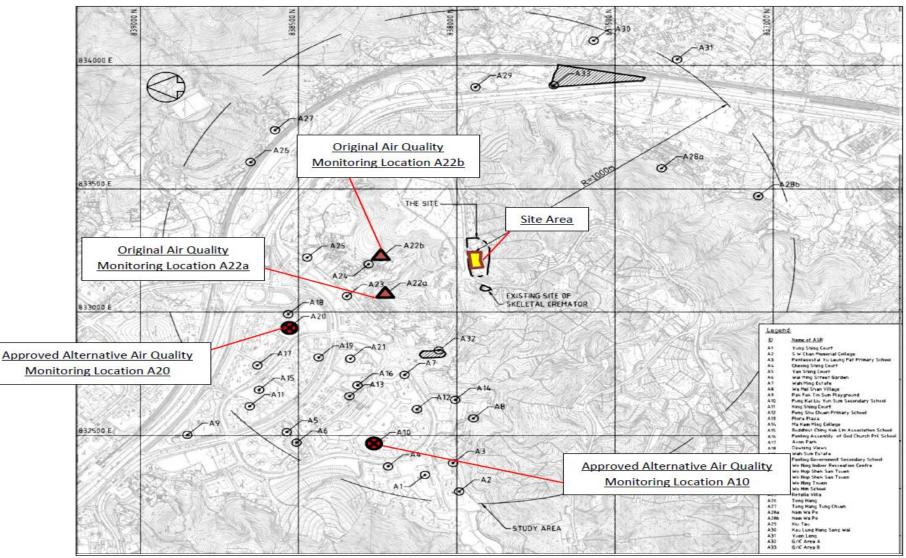
Date of First Registration: 16 July 2014 首次註冊日期:二零一四年七月十六日

This certificate is issued subject to the terms and conditions laid down by HKAS 本證書設照書港認可處訂立的框款及條件發出 L001875



APPENDIX H: LOCATION PLAN OF AIR QUALITY MONITORING STATION







APPENDIX I: AIR QUALITY MONITORING DATA



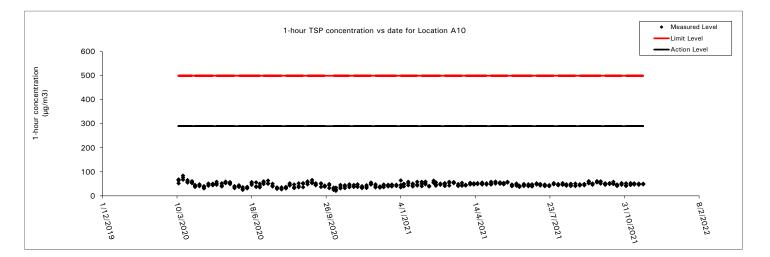
Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1) µg/m ³	Reading (2) μg/m ³	Reading (3) µg/m ³	Average μg/m ³
2/11/2021	Sunny	14:53	15:53	16:53	44	41	52	46
8/11/2021	Fine	10:18	11:18	12:18	53	45	48	49
13/11/2021	Sunny	09:18	10:18	11:18	52	47	50	50
19/11/2021	Sunny	10:16	11:16	12:16	51	49	46	49
25/11/2021	Sunny	11:13	12:13	13:13	48	50	49	49

The Summary of 1-hour TSP Concentration ($\mu g/m^3$) at A10

Average 1-hour TSP: 48

Max.: 53

Min.: 41





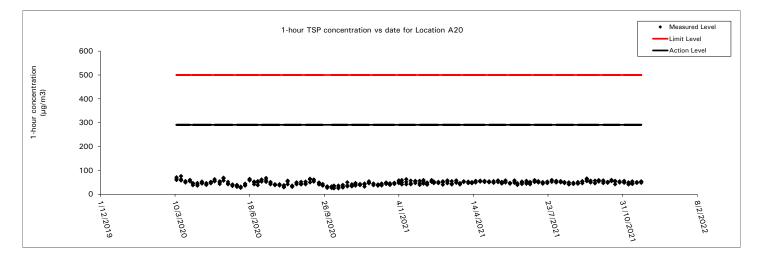
Date	Weather	Sampling Time (1)	Sampling Time (2)	Sampling Time (3)	Reading (1) µg/m ³	Reading (2) µg/m ³	Reading (3) µg/m ³	Average μg/m ³
2/11/2021	Sunny	15:19	16:19	17:19	56	48	51	52
8/11/2021	Fine	10:51	11:51	12:51	50	41	46	46
13/11/2021	Sunny	09:34	10:34	11:34	54	43	46	48
19/11/2021	Sunny	09:41	10:41	11:41	48	48	51	49
25/11/2021	Sunny	11:41	12:41	13:41	54	52	48	51

The Summary of 1-hour TSP Concentration (μ g/m³) at A20

Average 1-hour TSP: 49

Max.: 56

Min.: 41



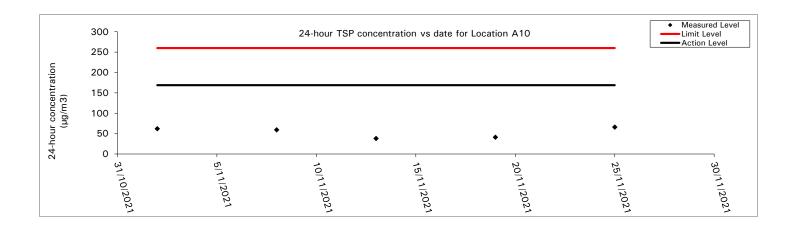


Max:

Avg:

66 53

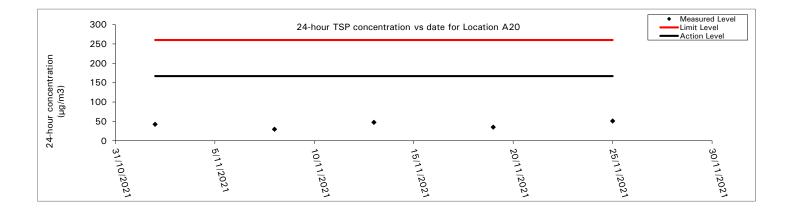
										Calibrati	Calibration: on due date: Calibration:	15-N	ov-21 ov-21 ov-21	Slope = Intercept = Slope =	15.6365 19.9615 15.7731
											on due date:	02-D		Intercept =	18.9569
Start Date	Weather Condition	E	lapse Tim	ie	Ch	Chart Reading		Avg Air Temp	Avg Atmospheric Pressure	Flow Rate	Standard Air Volume	Filter W	eight (g)	Particulate weight	Conc.
	Condition	Initial	Final	Actual (min)	Min	Max	Avg	(ºC)	(mm Hg)	(m³/min)	(m³)	Initial	Final	(g)	(µg/m³)
02/11/2021	Sunny	8025.4	8049.4	1440.0	39	39	39.0	25.1	763.5	1.23	1769	2.7859	2.8955	0.1096	62
08/11/2021	Fine	8049.4	8073.4	1440.0	38	39	38.5	20.1	762.9	1.22	1750	2.7850	2.8887	0.1037	59
13/11/2021	Sunny	8073.4	8097.4	1440.0	39	39	39.0	22.3	763.6	1.24	1787	2.7862	2.8540	0.0678	38
19/11/2021	Sunny	8097.7	8121.7	1440.0	38	39	38.5	23.0	759.2	1.24	1792	2.7722	2.8460	0.0738	41
25/11/2021	Sunny	8121.7	8145.7	1440.0	38	39	38.5	20.6	763.7	1.27	1827	2.7991	2.9195	0.1204	66
														Min:	38





											Calibration: n due date:	02-N 15-N		Slope = Intercept =	14.2298 22.6372
											Calibration: n due date:	19-N 02-D		Slope = Intercept =	14.7290 21.3377
Start Date	Weather Condition	E	lapse Tim	ie	Chart Reading		Avg Air Temp	Avg Atmospheric Pressure	Flow Rate	Standard Air Volume		eight (g)	Particulate weight	Conc.	
	Condition	Initial	Final	Actual (min)	Min	Max	Avg	(°C)	(mm Hg)	(m ³ /min)	(m ³)	Initial	Final	(g)	(µg/m³)
02/11/2021	Sunny	8290.3	8314.3	1440.0	39	40	39.5	25.1	763.5	1.20	1724	2.7756	2.8492	0.0736	43
08/11/2021	Fine	8314.3	8338.3	1440.0	39	39	39.0	20.1	762.9	1.18	1704	2.7747	2.8257	0.0510	30
13/11/2021	Sunny	8338.3	8362.3	1440.0	39	40	39.5	22.3	763.6	1.21	1744	2.7899	2.8729	0.0830	48
19/11/2021	Sunny	8362.6	8386.6	1440.0	40	40	40.0	23.0	759.2	1.27	1833	2.7617	2.8263	0.0646	35
25/11/2021	Sunny	8386.6	8410.6	1440.0	39	40	39.5	20.6	763.7	1.27	1823	2.7849	2.8779	0.0930	51







A. 02/11/2021:

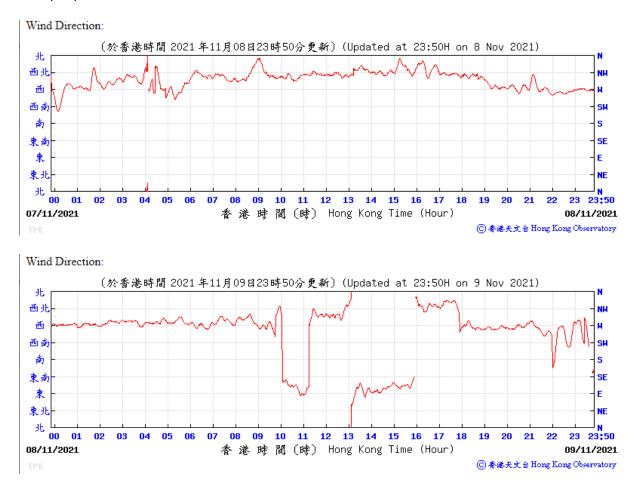


Wind Direction:





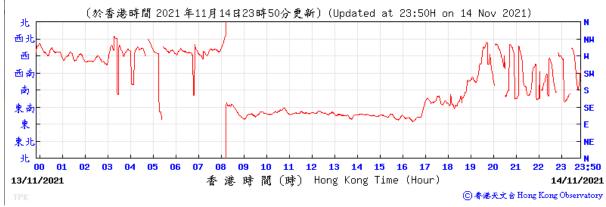
B. 08/11/2021:





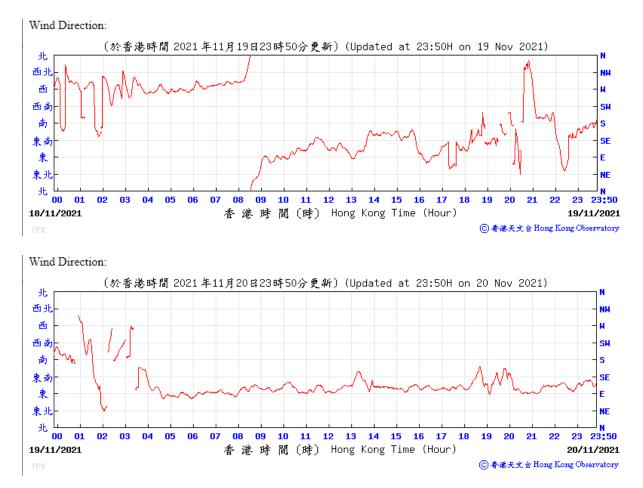
C. 13/11/2021:





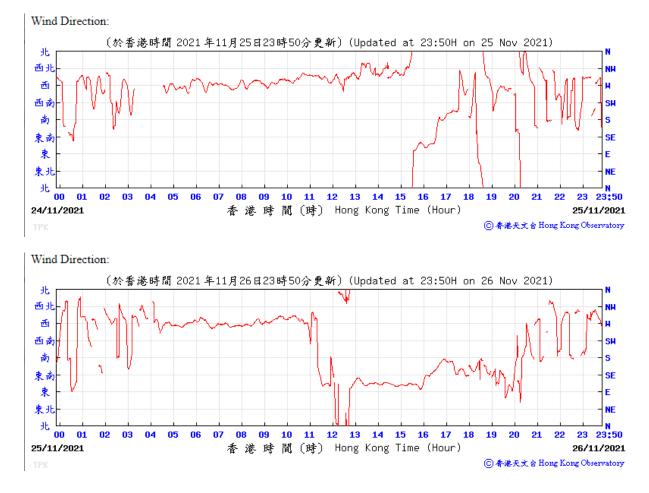


D. 19/11/2021:



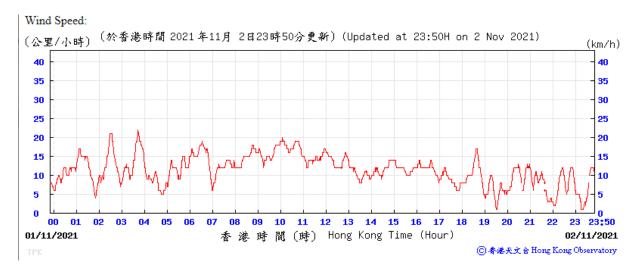


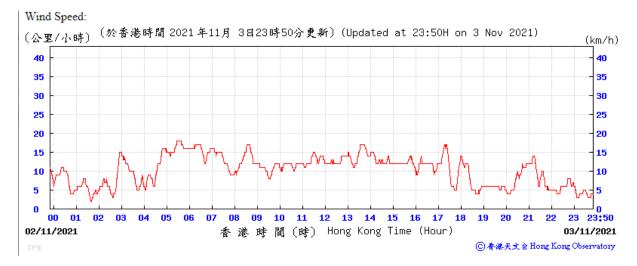
E. 25/11/2021





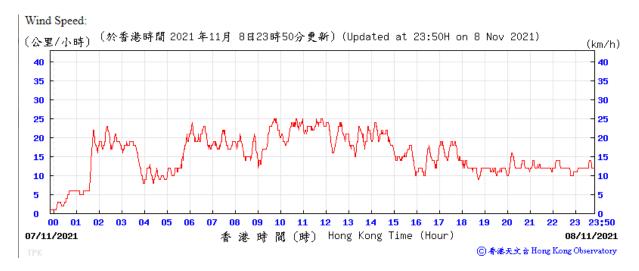
A. 02/11/2021:







B. 08/11/2021:







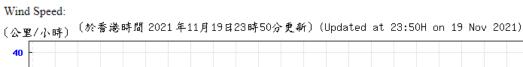
C. 13/11/2021:







D. 19/11/2021:



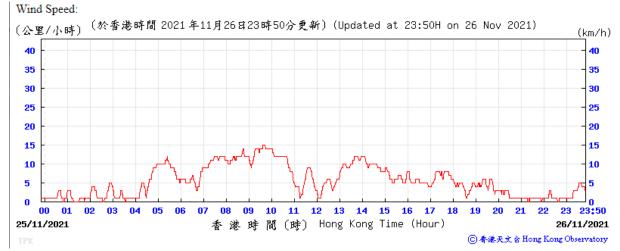






E. 25/11/2021







APPENDIX J: WASTE FLOW TABLE



		Actual Qua	ntities of Ine	rt C&D Mater	rials Generat	ed Monthly	Actual	Quantities of	C&D Wastes	Generated M	Ionthly
Reporting Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / cardboard packaging	Plastics (see Note)	Chemical Waste	Others, e.g. general refuse
	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)
March 2020	1.35	0	0	0	1.35	0	0	0	0	0	0
April 2020	1472.9	0	614.00	0	855.61	0	0	0	0	0	3.29
May 2020	213.75	0	0	0	205.94	0	0	0	0	0	7.81
June 2020	1.86	0	0	0	0	0	0	0	0	0	1.86
July 2020	4.95	0	0	0	0	0	0	0	0	0	4.95
August 2020	308.99	0	0	0	306.38	0	0	0	0	0	2.61
September 2020	31.11	0	0	0	22.38	0	0	0	0	0	8.73
October 2020	18.08	0	0	0	14.33	0	0	0	0	0	3.75
November 2020	1.42	0	0	0	0	0	0	0	0	0	1.42
December 2020	16.99	0	0	0	14.88	0	0	0	0	0	2.11



	10.21	Actual Qua	ntities of Ine	rt C&D Matei	rials Generat	ed Monthly	Actual	Quantities of	C&D Wastes	Generated M	Ionthly
Reporting Month	Total Quantity Generated	Hard Rock and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Imported Fill	Metals	Paper / cardboard packaging	Plastics (see Note)	Chemical Waste	Others, e.g. general refuse
	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)	(in ,000kg)
January 2021	25.87	0	0	0	22.12	0	0	0	0	0	3.75
February 2021	2.00	0	0	0	0	0	0	0	0	0	2.00
March 2021	3.79	0	0	0	0	0	0	0	0	0	3.79
April 2021	7.40	0	0	0	0	0	0	0	0	0	7.40
May 2021	8.30	0	0	0	0	0	0	0	0	0	8.30
June 2021	11.12	0	0	0	0	0	0	0	0	0	11.12
July 2021	19.70	0	0	0	7.73	0	0	0	0	0	11.97
August 2021	20.29	0	0	0	14.95	0	0	0	0	0	5.34
September 2021	219.20	0	0	0	214.71	0	0	0	0	0	4.49
October 2021	23.59	0	0	0	14.62	0	0	0	0	0	8.97
November 2021	59.40	0	0	0	52.88	0	0	0	0	0	6.52

Remarks: The major excavation works were conducted in April and May 2020, approximately 1675.55 tonnes of inert excavated materials were generated. 614 tonnes of excavated materials were stored in the material storage area for the subsequent backfilling. Due the limited space and the construction of basement and



other substructure works, the remaining 1061.55 tonnes of excavated material were delivered to public fill reception facilities. Some minor excavation works may be conducted in the later work processes.

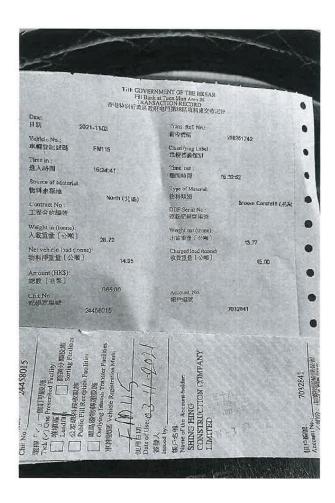


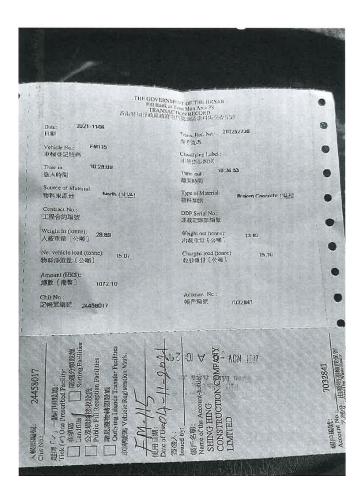
Facility	Date of transaction	Vehicle No.	Account No.	Chit No.	Time-in	Time-out	Waste depth (meter)	Weight- in (tonne)	Weight- out (tonne)	Net weight (tonne)
TM38FB	03/11/21	FM1*5	7032841	24458015	15:24	15:32	0	28.72	13.77	14.95
TM38FB	04/11/21	FM1*5	7032841	24458017	10:28	10:34	0	28.89	13.82	15.07
TM38FB	04/11/21	KE5*9	7032841	24458018	14:13	14:20	0	28.92	13.84	15.08
TM38FB	16/11/21	SD5*96	7032841	24458020	17:28	17:38	0	23.44	15.66	7.78
								Grand	Total:	52.88

Waste to Landfill (November 2021):

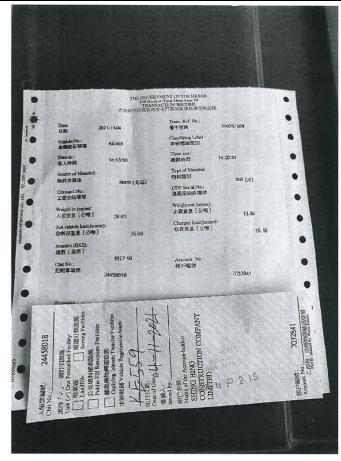
Facility	Date of transaction	Vehicle No.	Account No.	Chit No.	Time-in	Time-out	Waste depth (meter)	Weight- in (tonne)	Weight- out (tonne)	Net weight (tonne)
NENT	04/11/21	NP7*6	7032841	24458016	13:54	14:19	1.1	16.84	15	1.84
NENT	15/11/21	LA5*81	7032841	24458019	10:04	10:32	1.03	18.49	15.92	2.57
NENT	22/11/21	LA5*81	7032841	24458021	14:10	14:35	1.23	17.9	15.79	2.11
								Grand	Total:	6.52















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1	THE NENT I 香港特別	GOVERNMENT ANDFILL TRAN 们行政區政府新界	OF THE E SACTION 東北堆填區	RECORD 互交收記錄	
Dute: 日期	04/11/21	Veh. Reg. Mark: #A#\$2169	NP766	Transaction Ref. No: 師丐號型	4706689
Time in: 進入時間	13:54	Time out: 随知時有用	14:19	Billing A/C No: 根戶編號	7032841
in Weight(tonne): 入載fffff(公晤)	15.84	Out Weight(tonne): 出戰重量(公噸)	15	Chit No.: 戰運入破累編號	24458016
Estimated Net Weigh 淨重比率 8	nt /GVW Ratio: %	Waste depth (mete 廢物深度(米)	r) : 1.1	Net Waste Load (to 廢物淨重量(公噸	
		CHARGE REC 收費記錄	I	for reference only) 〔僅供參考〕	
Charge Load (tonne): 收費重量(公略)	1.8		Charge 收費(消	Amount (HK\$): 悲幣) H	K\$360.0
narks: E					
arge record shown on li e the actual/final charg 收費記錄只供参考,	his Slip is indicate of the transace	tive of the charge only tion.	. The charge	e amount as shown or	the month
tus		結單為準。			
ng Account Overdue		戶口狀況			
uspended tvoked		A1:未有入帳戶 A2:戶口過期未 A3:戶口已吊銷	織費		
aine		A4:戶口已撤銷			1993
		President President			ANGUL T

			-		
	NENTL	GOVERNMENT (ANDFILL TRANS 行政區政府新舞)	ACTION I	RECORD	
Date: EI 149	15/11/21	Veb. Reg. Mark: 如時時期日期	LA5581	Transaction Ref. No 個考號也,	4715900
Time in 進入時間	10:04	Time out: 離開時間	10:32	Billing A/C No: 极戶編號	7032841
In Weight(tonne): 入載重量(公响)	18,49	Cut Weight(tonne) 出戰重量(公項)	15.92	Chit No.: 戰運入機票編號	24458019
Estimated Net Weig 狩風比率	ght /GVW Ratio: 11%	Waste depth (me 廢物深度(米)	er): 1.03	Net Waste Load () 廢物淨堆量(公會	
1		CHARGE RI 收費記	and the second second	(for reference only 〔僅供參考〕)
Charge Load (tonn 收费重量(公嘲)	18). 2.6		Char 收費	ge Amount (HKS): (薩幣)	HK\$520.0
Remarks: 備註				1981 - To 1981	
The charge record sho would be the actua /fir 新示的收费記錄只(nal charge for the	費以月結單為準。		arge amount as shown	on the monthly
The charge record sho would be the actual/fir	nal charge for the	transaction. 費以月結單為準 戶口數況 Al:未有	入版戶口 過期未織費 已吊銷	arge amount as shown	on the month)



	NENT LA	OVERNMENT (ACTION	RECORD	
	香港特別	行政區政府新界東	 北北堆填置	重交收記錄	
Date: 日期	22/11/21	Veh. Reg. Mark: 車牌聲碼	LA5581	Transaction Ref. No 備考號碼	4722629
Time in: 進入時間	14:10	Time out: 離開時間	14:35	Billing A/C No: 較戶編號	7032841
In Weight(tonne): 入載重量(公噸)	17.9	Out Weight(toune): 出載重量(公喇)	15.79	Chit No.: 載運入帳票編號	24458021
Estimated Net Wei 淨重比率	ight /GVW Ratio: 8%	Waste depth (met 廢物深度(米)	ter): 1.23	Net Waste Load (to 廢物淨重量(公司	nne).) 2.11
		CHARGE RI 收費記	10 2 8 7 6 1 h i	(for reference only) [僅供參考]	
Charge Load (ton 收留重量(公响)				re Amount (HKS): (港幣) I	HK\$420.0
收留重量(公卿) Remarks: 着註 me charge record shin and be the actual/fi	2.1	transaction.	收火		
收留重量(公卿) Remarks: 着註 me charge record shin and be the actual/fi	2.1	indicative of the charge transaction. 賽以月結單爲學 - 旦13833	收 业 conly. The ch	(港幣)	
收留重量(公司) Remarks: 續註 ne charge record shi puld be the actual/fi 示的收費記錄只(2.1 own on this Slip is nal charge for the 供參考。正式收	transaction. 費以月結單爲準。 <u>戶口狀活</u> A1:末有	收費 conly. The ch c 认购戶口 送期未額費 同己約	(港幣)	



APPENDIX K: SITE INSPECTION PROFORMA



Unit 1908, Nos. 301-305 Castle Peak Road, Kwai Chung, N.T. O: 2333-6823 | F: 2333-1316 | E: general@acuityhk.com | www.acuityhk.com

	WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST										
Inspection Date	: 3 Nov 20	24	Inspected by:	ET:	Johnny Knong / And	NS LO AR:	Y.C. Chui				
Inspection Time	10 :00			Contractor:	M.Y. Wurz		/				
Weather					C						
Condition	Sunny	□ Fine	□ Overcast	Drizzle	🗆 Rain	□ Storm	□ Hazy				
Temperature	26.7 °C			Humidity	🗆 High	Moderate	□ Low				
Wind	🗆 Calm	Light	□ Breeze	□ Strong							

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
1.00	Air (Construction Phase)					
1.01	Vehicle washing facilities (including a high pressure water jet) were provided at every discernible or designated vehicle exit point.			Ø		
1.02	Road between the washing facilities and the exit point is paved with concrete, bituminous or hardcore material.			Ø		
1.03	Every main haul road is paved with concrete, bituminous hardcore materials or metal plates, and kept clear of dusty materials. Or unpaved haul roads and areas are sprayed with water to keep the entire road surface wet.			Þ		
1.04	 Stockpile of dusty material including demolished items is either: a) covered entirely by impervious sheeting, or b) placed in an area sheltered on the top and the three sides, or c) sprayed with water or a dust suppression chemical so as to maintain the entire surface wet. 			Ø		
1.05	Exposed earth is properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.			Ŕ		
1.06	Water is sprayed to all dusty materials before loading or transfer operation.			ø		
1.07	Any debris is covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides.			Ø		
1.08	Water is sprayed to debris before it is dumped into a chute.			Ø		
1.09	Vehicles for transporting dusty materials/spoils are covered with tarpaulin or similar material. The cover extends over the edges of the sides and tailboards.			Ø		
1.10	Water is sprayed immediately to the working area for uprooting of trees, shrubs, or vegetation or the removal of boulders, pole, pillars before, during and after the operation.			Ø		
1.11	Workers at all levels are co-operative to avoid dust generation and dispersion to the surrounding environment.			Ø		
2.00	Noise (Construction Phase)					



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
2.01	Only well-maintained plant is operated on site and the plant should be regularly serviced during the construction works			Ø		
2.02	Plant used intermittently is turned off or throttled down when not in active use.			ø		
2.03	Plant that emits noise strongly in one direction is oriented to face away from NSRs.			ø		
2.04	Silencers, mufflers and enclosures for plant are applied where possible and maintained adequately throughout the works			ø		
2.05	Where possible, mobile plant is sited away from NSRs			Ø		
2.06	PME is well maintained and used properly on site to minimise any excessive noise generated.			ø		
2.07	Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.			А		
3.00	Land Contamination (Construction Phase)					
	N/A to the Phase III development					
4.00	Waste Management (Construction Phase)					
4.01	The necessary waste disposal permits from the appropriate authorities are obtained, in accordance with the Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation and the Land (Miscellaneous Provision) Ordinance (Cap. 28).			ø		
4.02	A billing account with EPD for disposal of construction waste is obtained.			ø		
4.03	A Waste Management Plan (WMP), incorporated in an Environmental Management Plan (EMP) is prepared and submitted to the Engineer/Supervising Officer for approval. Reference is made to Environment, Transport and Works Bureau Technical Circular (Works) (ETWB TCW) 19/2005.			б		
4.04	An approved person to be responsible for good site practice is nominated, including arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site.			ø		
4.05	Is authorised or licensed waste hauler used to collect specific category of waste?			ø		
4.06	A trip-ticket system is included as one of the contractual requirements and implemented by the Environmental Team to monitor the disposal of C&D and solid wastes at public filling facilities and landfills, and to control fly tipping. Reference is made to ETWB TCW No. 31/2004.			ø		
4.07	Training of site personnel in proper waste management and chemical waste handling procedures.			ø		



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entract no. Al CE12 Expansion of Ma Han Shak Cromstarium

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
4.08	Is routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors conducted?			Ø		
4.09	Are sufficient waste disposal points and regular collection for disposal provided?			Þ		
4.10	Are appropriate measures to minimise windblown litter and dust during transportation of waste, such as covering trucks or transporting wastes in enclosed containers adopted?			ø		
4.11	Is recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) implemented?			Ø		
4.12	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.			P ⁄		
4.13	Encourage collection of aluminium cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separately labelled bins are provided to help segregate this waste from other general refuse generated by the work force.			ø		
4.14	Are C&D materials reused when possible to reduce the amount of C&D material/waste?			ø		
4.15	Are wood, steel and other metals separated for reuse and / or recycling prior to disposal of C&D waste to minimise the quantity of waste to be disposed of to landfill?			ø		
4.16	Minimise the potential for damage or contamination of construction material by having proper storage and site practices.			ø		
4.17	Plan and stock construction materials carefully to minimise the amount of surplus materials.			ø		
4.18	Rock and soil generated from excavation are reused for site formation and excavated material from foundation work reused for landscaping as far as practicable to avoid disposal off-site.			Ø		
4.19	Is reuse of the public fill and C&D waste practiced on site as far as practicable?			Ø		
4.20	The handling of C&D materials is governed by WBTC No. 2/93. Inert C&D material (public fill) is directed to an approved public filling area or reclamation site, where it has the benefit of offsetting the need for removal of materials from borrow areas for reclamation purposes and helps to reduce the pressure on landfill sites.			ø		
4.21	Are individuals or companies who deliver public fill to public filling areas obtained dumping licences?			Ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
4.22	Are careful design, planning and good site management adopted to minimise overordering and generation of waste materials such as concrete, mortar and cement grouts? The design of formwork maximise the use of standard wooden or metal panels so that high reuse levels can be achieved. Alternatives such as. steel formwork, plastic fencing and reusable site office structures are considered to increase the potential for reuse and minimize C&D waste generation.			Ø		
4.23	The contractor uses as much as possible of the C&D material on-site. Proper segregation of waste types on site will increase the feasibility of certain components of the waste stream by recycling contractors.			ø		
4.24	General refuse is stored in enclosed bins or compaction units separate from C&D and chemical wastes. A reputable waste collector is employed by the Contractor to remove general refuse from the site, separately from C&D and chemical wastes, on a daily or every second day basis to minimise odour, pest and litter impacts.			ø		
	Chemical Waste					
4.25	Contractor registers with the EPD as chemical waste producer if any chemical waste is generated			ø		
4.26	All the chemical waste is handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The chemical waste is stored and collected by an approved contractor for disposal at a licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.			ø		
4.27	Principles of reuse and recycle chemical waste on site as far as practicable is adopted by the contractor.			Ø		
4.28	Are unused chemicals or those with remaining functional capacity reused as far as practicable?			ø		
4.29	Disposal of chemical waste via a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility at Tsing Yi, which offers a chemical waste collection service and can supply the necessary storage containers or a waste recycling plant approved by EPD.			ø		
5.00	Landscape and Visual (Construction Phase)					
5.01	Do site offices have olive green roof and façade coating or colour that matche with existing environment?			ø		
5.02	Are site offices and the construction yard decommissioned after construction?	ø				Construction work has hot been completed yet
5.03	The height of site offices, including the rooftop does not exceed 10m, except building services equipment such as antennas, which exceeds 10 m but is coated in black.			ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
5.04	Is site hoarding with 2.4m height and colour in harmony with the surrounding environment erected along the site boundary until the completion of relevant construction phases?	Ø				Site hogelize mas removed but the plastic barrior has been in use.
5.05	Are construction plants and building materials orderly and carefully stored to appear neat and avoid visibility from outside where practical?			Þ		· · ·
5.06	Are excess materials removed from site as soon as practical?			Ø		
5.07	Are all construction plants removed from site upon completion of construction works?	Ø				
5.08	Are construction lights oriented away from the viewing location of VSRs?			Ø		
5.09	Are all lightings facing sensitive receiver installed with frosted diffusers and reflective covers?			P		
5.10	Trees that require removal are transplanted on site if practical. If not practical, these trees will be transplanted in locations within the vicinity as approved by the Architect.			Ø		
5.11	Planting works are carried out under the supervision of a specialist landscape specialist.			Ø		
5.12	The rooftop of the cremation plant room is planted with lawn.	Ø				Lann has not been
5.13	New trees, shrubs and groundcover are carefully selected and designed to homogenize with the environment.	Ø				No planting work
5.14	No tree is transplanted or felled without prior approval by relevant Government departments.			Ø		
5.15	All trees that are marked for retention are fenced off with a 1.2m high fence around the dripline of trees or larger area as far as feasible.	ø				All two plants nonk was completed
5.16	Transplant preparation works are carried out as soon as possible after the commencement of construction. Over-pruning such as hard pruning of tree crown, pollarding or topping are avoided. Rootball and crown pruning are carried out over at least 3 months.			ø		
5.17	Existing shrub and ground cover planting areas that will not be removed are maintained in good condition and enhanced if practical.			Ø		
5.18	The chimney has been designed to have sculptural outlook and articulated. It is kept in proportion with the rest of the building.			ø		
5.19	The chimney stack is designed to locate at the least conspicuous location of the site to VSRs.			ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
5.20	Bi-weekly checking would be performed on the nine Terminalia mantaly trees within and outside the works area of the Project, or otherwise if the transplantations are not carried out according to the plan.			Ø		
5.21	Are silting traps installed to minimize silting to streams?			Ø		
5.22	Is the tree compensation to tree loss ratio at least 1:1 in term of quantity? About 100 trees will be planted to compensate for the loss of 54 trees. 100 trees will be planted on site and others, in locations within the vicinity approved by the Architect	Ø				No plantile conte
5.23	Is amenity planting for open spaces included in the Project?	Ø				No plantie north
5.24	Is screen planting such as planting a roll of trees along the site boundary butting Kiu Tau Road carried out?	Ø				No planting work
5.25	Woodland mix, comprising of tree seedlings and shrubs, are planted within the Wo Hop Shek Cemetery to enhance the ecological value and compensatory of tree loss.	Ø				No plantine work
5.26	Is the 10m height headroom cremation plant room half-sunken to reduce the visual impact to pedestrians?			Ø		
6.00	Water Quality (Construction Phase)					1
6.01	Wastewater is properly treated to meet the discharge standards set out in the relevant Water Pollution Control Ordinance (WPCO) discharge licence. No direct discharge of site runoff into the two streams is allowed.			Ø		
6.02	Perimeter channels are provided to intercept storm runoff from outside the site. The channels are constructed in advance of site formation works and earthworks.			Ø		
6.03	Sand/silt removal facilities such as sand traps, silt traps and sediment basins are provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the WPCO.			Ø		
6.04	Works are carefully programmed to minimise soil excavation works during rainy seasons.	Ø				No excave tim north
6.05	Exposed soil surfaces are protected by paving as soon as possible to reduce the potential of soil erosion.	Ø				No examplin noik
6.06	Temporary access roads are protected by crushed gravel and exposed slope surfaces are protected when rainstorms are likely to occur.			P		
6.07	Trench excavation is avoided in the wet season as far as practicable, and if necessary, these trenches are excavated and backfilled in short sections.	Ø				No expandia with
6.08	Open stockpiles of construction materials on site are covered with tarpaulin or similar fabric during rainstorms.			Ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
6.09	Sand and silt in the wash water from the wheel from the wheel washing facility are settled out and removed before discharging into the storm drain.			Ø		
6.10	Oil interceptor is provided in the drainage system and regularly emptied to prevent the release of oil and grease into the storm drainage system after accidental spillage.			ø		
6.11	Debris and rubbishes generated on site are collected, handled and disposed of properly to avoid them entering the two streams.			Ø		
6.12	All fuel tanks and storage areas are provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank.			Ø		
6.13	Open storm water drains and culverts near the works area are covered to block the entrance of large debris and refuse.			Ø		
6.14	Portable chemical toilets handle the sewage from construction work force if the existing toilets in the Site are not adequate. Licensed contractors who are responsible for appropriate disposal and maintenance of these facilities provide appropriate and adequate portable toilets.			ø		
6.15	Sheet piling is provided at suitable location around the basement excavation to reduce the effect of lowering the water table from any dewatering process. Any discharge of groundwater pumped out from any dewatering process of the construction works is treated to comply with the standards set in the relevant discharge licence prior discharge. No discharge of the groundwater is allowed into the two streams.	P				No grendnete was generated
7.00	Ecology (Construction Phase)					
7.01	Any affected trees are transplanted to grassland / scrubland within the Wo Hop Shek Cemetery.			ø		
7.02	Temporary accesses to the work sites are carefully planned and located to minimise disturbance caused to the streams and nearby habitats.			ø		
7.03	Less or smaller construction plants are used to reduce disturbance to the nearby habitats.			Ø		
7.04	Vehicles and other plants are carefully maintained and properly used to minimise the chance for accidental spillage.			Ø		
7.05	Any spillages that do occur are quickly identified and appropriately cleaned up before they can contaminate streams or groundwater.	Ø				No spillage occurred
7.06	Basement formation or any construction activities likely to pump out a large quantity of groundwater are protected with sheet-piling at suitable locations around the basement footprint, or by any like method.	Ø				No grandnöte. Was genorated.
7.07	No groundwater is pumped back to the two stream courses to protect the natural integrity of the stream habitat and the associated organism.	ø				No printing na generated



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
7.08	Sturdy 1.8 metres protective fencings are located at the edge of the tree canopy but not around the trunk.			₽⁄		
7.09	Works beneath the tree canopy are avoided: If encroachment under the canopy area is unavoidable, adequate protections are provided to ensure no damage of any part of the tree would occur due to the encroachment.			ø		
7.10	Any tree transplanting and planting works are implemented by an approved Landscape Contractor. Quality control of the work is undertaken by a qualified Landscape Architect through site inspections and approval of works.			ø		
7.11	Construction works are restricted within works area which are clearly defined.			Ø		
7.12	Woodland or other habitats that are affected by the construction works are well- defined and minimised.			ø		
7.13	Human inference to habitats beyond the site boundary and habitats proposed to be retained are avoided by providing temporary barricades.			ø		÷
7.14	Works area is reinstated immediately after completion of the construction.	ø				
7.15	Uncontrolled burning of refuse is strictly prohibited. Appropriate fire control measures are provided in order to protect nearby habitats.			Ø		
7.16	Trees requiring transplantation or protection are identified based on the information illustrated in the Tree Survey Report.			Ø		
7.17	Is layout of the Project carefully designed to avoid or minimize the area of habitat loss and the numbers of trees to be felled?			ø		
7.18	All trees are preserved as far as possible, especially species of conservation concern. Recommendations provided in the Tree Survey Report to mitigate impacts on trees shall be followed.			ø		
7.19	Disturbance to the two plant species of conservation concern, namely Aquilaria sinensis and Cibotium barometz, is avoided. Where removal of these species is unavoidable, it is recommended to transplant them to habitats with similar conditions. Following transplantation, regular monitoring of these plants is conducted by a suitable qualified botanist / horticulturist over a 12-month period;	Þ				
7.20	Compensatory planting of the felled trees follows the Technical Circular No. 3/2006 issued by ETWB.	Ø				No plentity work.
7.21	The Site inside or in the proximity of the streams and nearby habitats is temporarily isolated, by placing of sandbags or silt curtains with lead edge at the bottom and properly supported props, to prevent adverse impacts on these areas.			Ø		



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Contract no. AL G513 Expansion of Wo Hop Shek Crematorium

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
7.22	Appropriate storage locations are situated well away from the streams and nearby habitats for the temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction debris and spoil are identified before commencement of the works.			ø		ž
7.23	Stockpiling of construction materials, are covered and located away from the streams and nearby habitats.			ø		
7.24	Construction debris and spoil are covered up and/or properly disposed of as soon as possible to avoid being washed into the streams and nearby habitats by rain.			Ø		
7.25	Construction effluent, site runoff and sewage is properly collected and/or treated.			Ø		
7.26	Proper locations for discharge outlets of any wastewater treatment facilities well away from the streams and nearby habitats are identified.			Ø		
7.27	Vehicles and other plant are carefully maintained and properly used to minimise the chance for accidental spillage.			ø		
7.28	Temporary geo-textile silt fences around earth moving works are erected to trap any sediments being washed away and prevent them from entering surrounding areas.			P		
7.29	Exposed soil or other loose materials are covered with tarpaulins to prevent erosion, and then seeded and covered with a biodegradable geotextile blanket for erosion control purposes.			þ		

N/A = Not applicable at current stage *Remarks:

N/O = Not observed in the site walk

Yes = Compliance

No = Non-compliance



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Remark / Follow up of Observation(s) and Non-compliance(s) of Last Weekly Site Inspection: Observation (S): N:) Remin der CS): -) Gernal House Keeping should be maintain regularly -) Dustry meterial on sorting area should be covered perperty -) Chrnical in use should be placed on drip tray Note: Figurare 4,5 regarding to clause 3.6 of EP has been displayed at the entrance of the Site Signatures: ET Contractor's Architect's IEC's Representative Representative Representative Representative (Name: Johnw) Chui (Name: M. Y. WON) (Name: (Name:) Know



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WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST										
Inspection Date	: 11 Nov 20	021	Inspected by:	ET:	Kelvin Law	$\mathbf{AR}: \underline{L} V$	Vonz			
Inspection Time	: 14:00			Contractor:	M.Y. Wong	IEC:)			
Weather										
Condition	🛛 Sunny	□ Fine	□ Overcast	Drizzle	🗆 Rain	□ Storm	🗆 Hazy			
Temperature	23.7 °C			Humidity	🗆 High	Moderate	□ Low			
Wind	🗆 Calm	☐ Light	□ Breeze	□ Strong						

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
1.00	Air (Construction Phase)					
1.01	Vehicle washing facilities (including a high pressure water jet) were provided at every discernible or designated vehicle exit point.			Ø		
1.02	Road between the washing facilities and the exit point is paved with concrete, bituminous or hardcore material.			Ø		
1.03	Every main haul road is paved with concrete, bituminous hardcore materials or metal plates, and kept clear of dusty materials. Or unpaved haul roads and areas are sprayed with water to keep the entire road surface wet.			ø		
1.04	 Stockpile of dusty material including demolished items is either: a) covered entirely by impervious sheeting, or b) placed in an area sheltered on the top and the three sides, or c) sprayed with water or a dust suppression chemical so as to maintain the entire surface wet. 			ø		
1.05	Exposed earth is properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.			ø		
1.06	Water is sprayed to all dusty materials before loading or transfer operation.			₽⁄		
1.07	Any debris is covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides.			Ø		
1.08	Water is sprayed to debris before it is dumped into a chute.			Ø		
1.09	Vehicles for transporting dusty materials/spoils are covered with tarpaulin or similar material. The cover extends over the edges of the sides and tailboards.			Ø		
1.10	Water is sprayed immediately to the working area for uprooting of trees, shrubs, or vegetation or the removal of boulders, pole, pillars before, during and after the operation.			ø		
1.11	Workers at all levels are co-operative to avoid dust generation and dispersion to the surrounding environment.			Þ		
2.00	Noise (Construction Phase)					



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
2.01	Only well-maintained plant is operated on site and the plant should be regularly serviced during the construction works			Ø		
2.02	Plant used intermittently is turned off or throttled down when not in active use.			ø		
2.03	Plant that emits noise strongly in one direction is oriented to face away from NSRs.			Ø		
2.04	Silencers, mufflers and enclosures for plant are applied where possible and maintained adequately throughout the works			Ø		
2.05	Where possible, mobile plant is sited away from NSRs			ø		
2.06	PME is well maintained and used properly on site to minimise any excessive noise generated.			Ø		
2.07	Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.			Ø		
3.00	Land Contamination (Construction Phase)					
	N/A to the Phase III development					
4.00	Waste Management (Construction Phase)					
4.01	The necessary waste disposal permits from the appropriate authorities are obtained, in accordance with the Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation and the Land (Miscellaneous Provision) Ordinance (Cap. 28).			Ø		
4.02	A billing account with EPD for disposal of construction waste is obtained.			ø		
4.03	A Waste Management Plan (WMP), incorporated in an Environmental Management Plan (EMP) is prepared and submitted to the Engineer/Supervising Officer for approval. Reference is made to Environment, Transport and Works Bureau Technical Circular (Works) (ETWB TCW) 19/2005.			Ø		
4.04	An approved person to be responsible for good site practice is nominated, including arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site.			ø		
4.05	Is authorised or licensed waste hauler used to collect specific category of waste?			Ø		
4.06	A trip-ticket system is included as one of the contractual requirements and implemented by the Environmental Team to monitor the disposal of C&D and solid wastes at public filling facilities and landfills, and to control fly tipping. Reference is made to ETWB TCW No. 31/2004.			Ø		
4.07	Training of site personnel in proper waste management and chemical waste handling procedures.			ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
4.08	Is routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors conducted?			Ø		
4.09	Are sufficient waste disposal points and regular collection for disposal provided?			Ø		
4.10	Are appropriate measures to minimise windblown litter and dust during transportation of waste, such as covering trucks or transporting wastes in enclosed containers adopted?			Ø		
4.11	Is recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) implemented?			ø		
4.12	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.			Ø		
4.13	Encourage collection of aluminium cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separately labelled bins are provided to help segregate this waste from other general refuse generated by the work force.			ø		
4.14	Are C&D materials reused when possible to reduce the amount of C&D material/waste?			Ø		
4.15	Are wood, steel and other metals separated for reuse and / or recycling prior to disposal of C&D waste to minimise the quantity of waste to be disposed of to landfill?			ø		
4.16	Minimise the potential for damage or contamination of construction material by having proper storage and site practices.			þ		
4.17	Plan and stock construction materials carefully to minimise the amount of surplus materials.			Ø		
4.18	Rock and soil generated from excavation are reused for site formation and excavated material from foundation work reused for landscaping as far as practicable to avoid disposal off-site.			ø		
4.19	Is reuse of the public fill and C&D waste practiced on site as far as practicable?			P		
4.20	The handling of C&D materials is governed by WBTC No. 2/93. Inert C&D material (public fill) is directed to an approved public filling area or reclamation site, where it has the benefit of offsetting the need for removal of materials from borrow areas for reclamation purposes and helps to reduce the pressure on landfill sites.			Þ		
4.21	Are individuals or companies who deliver public fill to public filling areas obtained dumping licences?			ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
4.22	Are careful design, planning and good site management adopted to minimise overordering and generation of waste materials such as concrete, mortar and cement grouts? The design of formwork maximise the use of standard wooden or metal panels so that high reuse levels can be achieved. Alternatives such as. steel formwork, plastic fencing and reusable site office structures are considered to increase the potential for reuse and minimize C&D waste generation.			Ø		
4.23	The contractor uses as much as possible of the C&D material on-site. Proper segregation of waste types on site will increase the feasibility of certain components of the waste stream by recycling contractors.			ø		
4.24	General refuse is stored in enclosed bins or compaction units separate from C&D and chemical wastes. A reputable waste collector is employed by the Contractor to remove general refuse from the site, separately from C&D and chemical wastes, on a daily or every second day basis to minimise odour, pest and litter impacts.			Ŕ		
	Chemical Waste	1				
4.25	Contractor registers with the EPD as chemical waste producer if any chemical waste is generated			Ø		
4.26	All the chemical waste is handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The chemical waste is stored and collected by an approved contractor for disposal at a licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.			ø		
4.27	Principles of reuse and recycle chemical waste on site as far as practicable is adopted by the contractor.			ø		
4.28	Are unused chemicals or those with remaining functional capacity reused as far as practicable?			ø		
4.29	Disposal of chemical waste via a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility at Tsing Yi, which offers a chemical waste collection service and can supply the necessary storage containers or a waste recycling plant approved by EPD.			ø		
5.00	Landscape and Visual (Construction Phase)					
5.01	Do site offices have olive green roof and façade coating or colour that matche with existing environment?			ø		
5.02	Are site offices and the construction yard decommissioned after construction?	ø				Construction north has not bear completed. yet
5.03	The height of site offices, including the rooftop does not exceed 10m, except building services equipment such as antennas, which exceeds 10 m but is coated in black.			Ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
5.04	Is site hoarding with 2.4m height and colour in harmony with the surrounding environment erected along the site boundary until the completion of relevant construction phases?	Ø				site howing has howed but the photoc bathion he bea inse.
5.05	Are construction plants and building materials orderly and carefully stored to appear neat and avoid visibility from outside where practical?			Ø		
5.06	Are excess materials removed from site as soon as practical?			P		
5.07	Are all construction plants removed from site upon completion of construction works?	P				The constructs completed has not been completed yest.
5.08	Are construction lights oriented away from the viewing location of VSRs?			ø		
5.09	Are all lightings facing sensitive receiver installed with frosted diffusers and reflective covers?			Ø		
5.10	Trees that require removal are transplanted on site if practical. If not practical, these trees will be transplanted in locations within the vicinity as approved by the Architect.			ø		
5.11	Planting works are carried out under the supervision of a specialist landscape specialist.			Ø		
5.12	The rooftop of the cremation plant room is planted with lawn.	Ø				Lann has not ben planted
5.13	New trees, shrubs and groundcover are carefully selected and designed to homogenize with the environment.	9				110 planting north
5.14	No tree is transplanted or felled without prior approval by relevant Government departments.			Ø		
5.15	All trees that are marked for retention are fenced off with a 1.2m high fence around the dripline of trees or larger area as far as feasible.	Ø				All two planting nork has completed
5.16	Transplant preparation works are carried out as soon as possible after the commencement of construction. Over-pruning such as hard pruning of tree crown, pollarding or topping are avoided. Rootball and crown pruning are carried out over at least 3 months.			ø		
5.17	Existing shrub and ground cover planting areas that will not be removed are maintained in good condition and enhanced if practical.			Ŗ		
5.18	The chimney has been designed to have sculptural outlook and articulated. It is kept in proportion with the rest of the building.			7		
5.19	The chimney stack is designed to locate at the least conspicuous location of the site to VSRs.			Ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
5.20	Bi-weekly checking would be performed on the nine Terminalia mantaly trees within and outside the works area of the Project, or otherwise if the transplantations are not carried out according to the plan.			ø		
5.21	Are silting traps installed to minimize silting to streams?			P		
5.22	Is the tree compensation to tree loss ratio at least 1:1 in term of quantity? About 100 trees will be planted to compensate for the loss of 54 trees. 100 trees will be planted on site and others, in locations within the vicinity approved by the Architect	Ø				No planting wowls
5.23	Is amenity planting for open spaces included in the Project?	Ø				No planting work
5.24	Is screen planting such as planting a roll of trees along the site boundary butting Kiu Tau Road carried out?	P				No planting mouth
5.25	Woodland mix, comprising of tree seedlings and shrubs, are planted within the Wo Hop Shek Cemetery to enhance the ecological value and compensatory of tree loss.	7				No plantic work
5.26	Is the 10m height headroom cremation plant room half-sunken to reduce the visual impact to pedestrians?			Ø		
6.00	Water Quality (Construction Phase)					
6.01	Wastewater is properly treated to meet the discharge standards set out in the relevant Water Pollution Control Ordinance (WPCO) discharge licence. No direct discharge of site runoff into the two streams is allowed.			Ø		
6.02	Perimeter channels are provided to intercept storm runoff from outside the site. The channels are constructed in advance of site formation works and earthworks.			Ŗ		
6.03	Sand/silt removal facilities such as sand traps, silt traps and sediment basins are provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the WPCO.			Ø		
6.04	Works are carefully programmed to minimise soil excavation works during rainy seasons.	Ø				No excavation mork
6.05	Exposed soil surfaces are protected by paving as soon as possible to reduce the potential of soil erosion.	ø				No exanativ north.
6.06	Temporary access roads are protected by crushed gravel and exposed slope surfaces are protected when rainstorms are likely to occur.			P		
6.07	Trench excavation is avoided in the wet season as far as practicable, and if necessary, these trenches are excavated and backfilled in short sections.	P				No exerciting nonle
6.08	Open stockpiles of construction materials on site are covered with tarpaulin or similar fabric during rainstorms.			7		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
6.09	Sand and silt in the wash water from the wheel from the wheel washing facility are settled out and removed before discharging into the storm drain.			Ø		
6.10	Oil interceptor is provided in the drainage system and regularly emptied to prevent the release of oil and grease into the storm drainage system after accidental spillage.			ø		
6.11	Debris and rubbishes generated on site are collected, handled and disposed of properly to avoid them entering the two streams.			ø		
6.12	All fuel tanks and storage areas are provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank.			Ø		
6.13	Open storm water drains and culverts near the works area are covered to block the entrance of large debris and refuse.			Ø		
6.14	Portable chemical toilets handle the sewage from construction work force if the existing toilets in the Site are not adequate. Licensed contractors who are responsible for appropriate disposal and maintenance of these facilities provide appropriate and adequate portable toilets.			ø		
6.15	Sheet piling is provided at suitable location around the basement excavation to reduce the effect of lowering the water table from any dewatering process. Any discharge of groundwater pumped out from any dewatering process of the construction works is treated to comply with the standards set in the relevant discharge licence prior discharge. No discharge of the groundwater is allowed into the two streams.	P				No sunduater has gluerate!
7.00	Ecology (Construction Phase)					
7.01	Any affected trees are transplanted to grassland / scrubland within the Wo Hop Shek Cemetery.			Ø		
7.02	Temporary accesses to the work sites are carefully planned and located to minimise disturbance caused to the streams and nearby habitats.			Ø		
7.03	Less or smaller construction plants are used to reduce disturbance to the nearby habitats.			Ø		
7.04	Vehicles and other plants are carefully maintained and properly used to minimise the chance for accidental spillage.			P		
7.05	Any spillages that do occur are quickly identified and appropriately cleaned up before they can contaminate streams or groundwater.	Ø				No spillage occurd
7.06	Basement formation or any construction activities likely to pump out a large quantity of groundwater are protected with sheet-piling at suitable locations around the basement footprint, or by any like method.	ø				No granducter mas generated.
7.07	No groundwater is pumped back to the two stream courses to protect the natural integrity of the stream habitat and the associated organism.	Ø				No snund water vers penerated.



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
7.08	Sturdy 1.8 metres protective fencings are located at the edge of the tree canopy but not around the trunk.			Ø		
7.09	Works beneath the tree canopy are avoided: If encroachment under the canopy area is unavoidable, adequate protections are provided to ensure no damage of any part of the tree would occur due to the encroachment.			ø		
7.10	Any tree transplanting and planting works are implemented by an approved Landscape Contractor. Quality control of the work is undertaken by a qualified Landscape Architect through site inspections and approval of works.			ø		
7.11	Construction works are restricted within works area which are clearly defined.			ø		
7.12	Woodland or other habitats that are affected by the construction works are well- defined and minimised.			Ŗ		
7.13	Human inference to habitats beyond the site boundary and habitats proposed to be retained are avoided by providing temporary barricades.			ø		
7.14	Works area is reinstated immediately after completion of the construction.	ø				The construction hunk has not been completed
7.15	Uncontrolled burning of refuse is strictly prohibited. Appropriate fire control measures are provided in order to protect nearby habitats.			Ø		
7.16	Trees requiring transplantation or protection are identified based on the information illustrated in the Tree Survey Report.			Ø		
7.17	Is layout of the Project carefully designed to avoid or minimize the area of habitat loss and the numbers of trees to be felled?			Ø		
7.18	All trees are preserved as far as possible, especially species of conservation concern. Recommendations provided in the Tree Survey Report to mitigate impacts on trees shall be followed.			Ь		
7.19	Disturbance to the two plant species of conservation concern, namely Aquilaria sinensis and Cibotium barometz, is avoided. Where removal of these species is unavoidable, it is recommended to transplant them to habitats with similar conditions. Following transplantation, regular monitoring of these plants is conducted by a suitable qualified botanist / horticulturist over a 12-month period;	P				
7.20	Compensatory planting of the felled trees follows the Technical Circular No. 3/2006 issued by ETWB.	P				No plantig north.
7.21	The Site inside or in the proximity of the streams and nearby habitats is temporarily isolated, by placing of sandbags or silt curtains with lead edge at the bottom and properly supported props, to prevent adverse impacts on these areas.			ø		



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Contract no. AL G513 Expansion of Wo Hop Shek Crematorium

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
7.22	Appropriate storage locations are situated well away from the streams and nearby habitats for the temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction debris and spoil are identified before commencement of the works.			ø		
7.23	Stockpiling of construction materials, are covered and located away from the streams and nearby habitats.			A		
7.24	Construction debris and spoil are covered up and/or properly disposed of as soon as possible to avoid being washed into the streams and nearby habitats by rain.			ø		
7.25	Construction effluent, site runoff and sewage is properly collected and/or treated.			ø		
7.26	Proper locations for discharge outlets of any wastewater treatment facilities well away from the streams and nearby habitats are identified.			þ		
7.27	Vehicles and other plant are carefully maintained and properly used to minimise the chance for accidental spillage.			ø		
7.28	Temporary geo-textile silt fences around earth moving works are erected to trap any sediments being washed away and prevent them from entering surrounding areas.			Ø		
7.29	Exposed soil or other loose materials are covered with tarpaulins to prevent erosion, and then seeded and covered with a biodegradable geotextile blanket for erosion control purposes.			ø		

*Remarks: N/A = Not applicable at current stage

N/O = Not observed in the site walk

Yes = Compliance

No = Non-compliance



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Remark / Follow up of Obse	rvation(s) and Non-compliance(s) of Last	Weekly Site Inspection:	
From 4.	20 bags of censides.	ment should	be properly conved
	terials should not repsion measures on lows.	5.9 	
°7			
Signatures: ET Representative	Contractor's Representative	Architect's Representative	IEC's Representative
(Name: 19/10 10	(Name: M.Y. WONG) (Name: L. Wonby) (Name:)



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WEEKLY ENVIRONMENTAL INSPECTION CHECKLIN	ST
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Inspection Dat	e: 17/11/2021	·	Inspected by:	ET:	Kelvin Law	AR:	Y.C. Chui
Inspection Tim	e: 10:00			Contractor:	M.Y. Wohe	IEC:	Hilton Tam
Weather					2		
Condition	Sunny	□ Fine	□ Overcast	Drizzle	🗆 Rain	□ Storm	□ Hazy
Temperature	23.4 °C			Humidity	🗆 High	Moderate	□ Low
Wind	□ Calm	🗹 Light	□ Breeze	□ Strong			

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
1.00	Air (Construction Phase)					- I
1.01	Vehicle washing facilities (including a high pressure water jet) were provided at				_	
	every discernible or designated vehicle exit point.			Д		
1.02	Road between the washing facilities and the exit point is paved with concrete,		_	-	_	
	bituminous or hardcore material.			μ		
	Every main haul road is paved with concrete, bituminous hardcore materials or					
1.03	metal plates, and kept clear of dusty materials. Or unpaved haul roads and areas are			Ø		
	sprayed with water to keep the entire road surface wet.			/		
	Stockpile of dusty material including demolished items is either:					
	a) covered entirely by impervious sheeting, or			/	-	
1.04	b) placed in an area sheltered on the top and the three sides, or			Ø		
	c) sprayed with water or a dust suppression chemical so as to maintain the entire			·		
	surface wet.					
	Exposed earth is properly treated by compaction, hydroseeding, vegetation planting					
1.05	or seating with latex, vinyl, bitumen within six months after the last construction			Ø		
	activity on the site or part of the site where the exposed earth lies.			/		
1.06	Water is sprayed to all dusty materials before loading or transfer operation.			M		
1.07	Any debris is covered entirely by impervious sheeting or stored in a debris					
	collection area sheltered on the top and the three sides.					
1.08	Water is sprayed to debris before it is dumped into a chute.			D		
	Vehicles for transporting ducts and side of the				_	
1.09	Vehicles for transporting dusty materials/spoils are covered with tarpaulin or					
	similar material. The cover extends over the edges of the sides and tailboards.			7-		
1.10	Water is sprayed immediately to the working area for uprooting of trees, shrubs, or	_	_	_	_	
	vegetation or the removal of boulders, pole, pillars before, during and after the operation.			ĮД		
	Workers at all levels are co-operative to avoid dust generation and dispersion to the					
1.11	surrounding environment.			\square		
2.00	Noise (Construction Phase)			/		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks					
	Only well-maintained plant is operated on site and the plant should be regularly	_	_	-	_						
2.01	serviced during the construction works.			Д							
2.02	Plant used intermittently is turned off or throttled down when not in active use.			Ø							
				/							
2.03	Plant that emits noise strongly in one direction is oriented to face away from NSRs.			Ø							
2.04	Silencers, mufflers and enclosures for plant are applied where possible and										
2.04	maintained adequately throughout the works										
2.05	Where possible, mobile plant is sited away from NSRs			7							
2.07	PME is well maintained and used properly on site to minimise any excessive noise			Г							
2.06	generated.			7							
2.07	Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.			Ø							
3.00	Land Contamination (Construction Phase)										
	N/A to the Phase III development										
4.00	Waste Management (Construction Phase)										
	The necessary waste disposal permits from the appropriate authorities are										
	obtained, in accordance with the Waste Disposal Ordinance (Cap. 354), Waste			б							
4.01	Disposal (Chemical Waste) (General) Regulation and the Land (Miscellaneous										
	Provision) Ordinance (Cap. 28).										
4.02	A billing account with EPD for disposal of construction waste is obtained.			Ø							
	A Waste Management Plan (WMP), incorporated in an Environmental										
	Management Plan (EMP) is prepared and submitted to the Engineer/Supervising			м							
4.03	Officer for approval. Reference is made to Environment, Transport and Works			Щ							
	Bureau Technical Circular (Works) (ETWB TCW) 19/2005.			11-0-00							
-	An approved person to be responsible for good site practice is nominated,				-						
4.04	including arrangements for collection and effective disposal to an appropriate			Ø							
	facility of all wastes generated at the site.			1							
	Is authorised or licensed waste hauler used to collect specific category of waste?										
4.05	is autorised of incensed waste namer used to concer specific eaters if of materi			7							
	A trip-ticket system is included as one of the contractual requirements and										
	implemented by the Environmental Team to monitor the disposal of C&D and										
4.06	solid wastes at public filling facilities and landfills, and to control fly tipping.										
	Reference is made to ETWB TCW No. 31/2004.				/						
1.05	Training of site personnel in proper waste management and chemical waste			б							
4.07	handling procedures.			_							



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
4.08	Is routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors conducted?			ø		
4.09	Are sufficient waste disposal points and regular collection for disposal provided?			Ø		
4.10	Are appropriate measures to minimise windblown litter and dust during transportation of waste, such as covering trucks or transporting wastes in enclosed containers adopted?			P		
4.11	Is recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) implemented?			ø		
4.12	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.			Ø		
4.13	Encourage collection of aluminium cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separately labelled bins are provided to help segregate this waste from other general refuse generated by the work force.			ø		
4.14	Are C&D materials reused when possible to reduce the amount of C&D material/waste?			Ø		
4.15	Are wood, steel and other metals separated for reuse and / or recycling prior to disposal of C&D waste to minimise the quantity of waste to be disposed of to landfill?			Ø		
4.16	Minimise the potential for damage or contamination of construction material by having proper storage and site practices.			ø		
4.17	Plan and stock construction materials carefully to minimise the amount of surplus materials.			ø		
4.18	Rock and soil generated from excavation are reused for site formation and excavated material from foundation work reused for landscaping as far as practicable to avoid disposal off-site.			Þ		,
4.19	Is reuse of the public fill and C&D waste practiced on site as far as practicable?			Ø		
4.20	The handling of C&D materials is governed by WBTC No. 2/93. Inert C&D material (public fill) is directed to an approved public filling area or reclamation site, where it has the benefit of offsetting the need for removal of materials from borrow areas for reclamation purposes and helps to reduce the pressure on landfill sites.			ø		
4.21	Are individuals or companies who deliver public fill to public filling areas obtained dumping licences?			Ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
4.22	Are careful design, planning and good site management adopted to minimise overordering and generation of waste materials such as concrete, mortar and cement grouts? The design of formwork maximise the use of standard wooden or metal panels so that high reuse levels can be achieved. Alternatives such as. steel formwork, plastic fencing and reusable site office structures are considered to increase the potential for reuse and minimize C&D waste generation.			Ø		
4.23	The contractor uses as much as possible of the C&D material on-site. Proper segregation of waste types on site will increase the feasibility of certain components of the waste stream by recycling contractors.			Ø		
4.24	General refuse is stored in enclosed bins or compaction units separate from C&D and chemical wastes. A reputable waste collector is employed by the Contractor to remove general refuse from the site, separately from C&D and chemical wastes, on a daily or every second day basis to minimise odour, pest and litter impacts.			ø		
	Chemical Waste					
4.25	Contractor registers with the EPD as chemical waste producer if any chemical waste is generated			Ø		
4.26	All the chemical waste is handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The chemical waste is stored and collected by an approved contractor for disposal at a licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.			Þ		
4.27	Principles of reuse and recycle chemical waste on site as far as practicable is adopted by the contractor.			ø		
4.28	Are unused chemicals or those with remaining functional capacity reused as far as practicable?			ø		
4.29	Disposal of chemical waste via a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility at Tsing Yi, which offers a chemical waste collection service and can supply the necessary storage containers or a waste recycling plant approved by EPD.			Ø		
5.00	Landscape and Visual (Construction Phase)					
5.01	Do site offices have olive green roof and façade coating or colour that matche with existing environment?			ø		
5.02	Are site offices and the construction yard decommissioned after construction?	Ø				Construction harle has <u>not been completed</u> yet
5.03	The height of site offices, including the rooftop does not exceed 10m, except building services equipment such as antennas, which exceeds 10 m but is coated in black.			Ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
5.04	Is site hoarding with 2.4m height and colour in harmony with the surrounding environment erected along the site boundary until the completion of relevant construction phases?	Ŗ				Site handing was removed but the plastic bantiler has been in use.
5.05	Are construction plants and building materials orderly and carefully stored to appear neat and avoid visibility from outside where practical?			ø		
5.06	Are excess materials removed from site as soon as practical?			ø		
5.07	Are all construction plants removed from site upon completion of construction works?	Ø				The construction work has not been completed yet.
5.08	Are construction lights oriented away from the viewing location of VSRs?			ø		
5.09	Are all lightings facing sensitive receiver installed with frosted diffusers and reflective covers?			ø		
5.10	Trees that require removal are transplanted on site if practical. If not practical, these trees will be transplanted in locations within the vicinity as approved by the Architect.			ø		
5.11	Planting works are carried out under the supervision of a specialist landscape specialist.			ø		
5.12	The rooftop of the cremation plant room is planted with lawn.	ø				Lann has not beenplented
5.13	New trees, shrubs and groundcover are carefully selected and designed to homogenize with the environment.	Ø				No planting work
5.14	No tree is transplanted or felled without prior approval by relevant Government departments.			ø		
5.15	All trees that are marked for retention are fenced off with a 1.2m high fence around the dripline of trees or larger area as far as feasible.	ø				All two plantly work. Mas completed
5.16	Transplant preparation works are carried out as soon as possible after the commencement of construction. Over-pruning such as hard pruning of tree crown, pollarding or topping are avoided. Rootball and crown pruning are carried out over at least 3 months.			ø		
5.17	Existing shrub and ground cover planting areas that will not be removed are maintained in good condition and enhanced if practical.			Ø		
.18	The chimney has been designed to have sculptural outlook and articulated. It is kept in proportion with the rest of the building.			Ø		
.19	The chimney stack is designed to locate at the least conspicuous location of the site to VSRs.			Ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
5.20	Bi-weekly checking would be performed on the nine Terminalia mantaly trees within and outside the works area of the Project, or otherwise if the transplantations are not carried out according to the plan.			ø		
5.21	Are silting traps installed to minimize silting to streams?			ø		
5.22	Is the tree compensation to tree loss ratio at least 1:1 in term of quantity? About 100 trees will be planted to compensate for the loss of 54 trees. 100 trees will be planted on site and others, in locations within the vicinity approved by the Architect	ź				No plantie nork
5.23	Is amenity planting for open spaces included in the Project?	Ø				No phitle work
5.24	Is screen planting such as planting a roll of trees along the site boundary butting Kiu Tau Road carried out?	ø				No plantig north
5.25	Woodland mix, comprising of tree seedlings and shrubs, are planted within the Wo Hop Shek Cemetery to enhance the ecological value and compensatory of tree loss.	ø				No plantite work
5.26	Is the 10m height headroom cremation plant room half-sunken to reduce the visual impact to pedestrians?			Ø		
6.00	Water Quality (Construction Phase)					
6.01	Wastewater is properly treated to meet the discharge standards set out in the relevant Water Pollution Control Ordinance (WPCO) discharge licence. No direct discharge of site runoff into the two streams is allowed.			ø		
6.02	Perimeter channels are provided to intercept storm runoff from outside the site. The channels are constructed in advance of site formation works and earthworks.			Þ		
6.03	Sand/silt removal facilities such as sand traps, silt traps and sediment basins are provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the WPCO.			ø		
6.04	Works are carefully programmed to minimise soil excavation works during rainy seasons.	ø				No excention north.
6.05	Exposed soil surfaces are protected by paving as soon as possible to reduce the potential of soil erosion.	Ø				No exavetin nonk
6.06	Temporary access roads are protected by crushed gravel and exposed slope surfaces are protected when rainstorms are likely to occur.			Ø		
6.07	Trench excavation is avoided in the wet season as far as practicable, and if necessary, these trenches are excavated and backfilled in short sections.	Ø				Mo excavetion nork
6.08	Open stockpiles of construction materials on site are covered with tarpaulin or similar fabric during rainstorms.			P		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
6.09	Sand and silt in the wash water from the wheel from the wheel washing facility are settled out and removed before discharging into the storm drain.			Ø		
6.10	Oil interceptor is provided in the drainage system and regularly emptied to prevent the release of oil and grease into the storm drainage system after accidental spillage.			Ø		
6.11	Debris and rubbishes generated on site are collected, handled and disposed of properly to avoid them entering the two streams.			Ø		
6.12	All fuel tanks and storage areas are provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank.			Þ		
6.13	Open storm water drains and culverts near the works area are covered to block the entrance of large debris and refuse.			Ø		
6.14	Portable chemical toilets handle the sewage from construction work force if the existing toilets in the Site are not adequate. Licensed contractors who are responsible for appropriate disposal and maintenance of these facilities provide appropriate and adequate portable toilets.			Ø		
6.15	Sheet piling is provided at suitable location around the basement excavation to reduce the effect of lowering the water table from any dewatering process. Any discharge of groundwater pumped out from any dewatering process of the construction works is treated to comply with the standards set in the relevant discharge licence prior discharge. No discharge of the groundwater is allowed into the two streams.	ø				No grundwater nors penerstel
7.00	Ecology (Construction Phase)					
7.01	Any affected trees are transplanted to grassland / scrubland within the Wo Hop Shek Cemetery.			Ø		
7.02	Temporary accesses to the work sites are carefully planned and located to minimise disturbance caused to the streams and nearby habitats.			ø		
7.03	Less or smaller construction plants are used to reduce disturbance to the nearby habitats.			ø		
7.04	Vehicles and other plants are carefully maintained and properly used to minimise the chance for accidental spillage.			ø		
7.05	Any spillages that do occur are quickly identified and appropriately cleaned up before they can contaminate streams or groundwater.	Ø				No spillage orcurd
7.06	Basement formation or any construction activities likely to pump out a large quantity of groundwater are protected with sheet-piling at suitable locations around the basement footprint, or by any like method.	7				No goond natur was generated
7.07	No groundwater is pumped back to the two stream courses to protect the natural integrity of the stream habitat and the associated organism.	ø				No graduata



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
7.08	Sturdy 1.8 metres protective fencings are located at the edge of the tree canopy but not around the trunk.			ø		
7.09	Works beneath the tree canopy are avoided: If encroachment under the canopy area is unavoidable, adequate protections are provided to ensure no damage of any part of the tree would occur due to the encroachment.			Ø		
7.10	Any tree transplanting and planting works are implemented by an approved Landscape Contractor. Quality control of the work is undertaken by a qualified Landscape Architect through site inspections and approval of works.			ø		
7.11	Construction works are restricted within works area which are clearly defined.			¢		
7.12	Woodland or other habitats that are affected by the construction works are well- defined and minimised.			ø		
7.13	Human inference to habitats beyond the site boundary and habitats proposed to be retained are avoided by providing temporary barricades.			Ø		
7.14	Works area is reinstated immediately after completion of the construction.	ø				The construction work has not been completed
7.15	Uncontrolled burning of refuse is strictly prohibited. Appropriate fire control measures are provided in order to protect nearby habitats.			ø		
7.16	Trees requiring transplantation or protection are identified based on the information illustrated in the Tree Survey Report.			ø		<u> </u>
7.17	Is layout of the Project carefully designed to avoid or minimize the area of habitat loss and the numbers of trees to be felled?			7		
7.18	All trees are preserved as far as possible, especially species of conservation concern. Recommendations provided in the Tree Survey Report to mitigate impacts on trees shall be followed.	gr.		ø		
7.19	Disturbance to the two plant species of conservation concern, namely Aquilaria sinensis and Cibotium barometz, is avoided. Where removal of these species is unavoidable, it is recommended to transplant them to habitats with similar conditions. Following transplantation, regular monitoring of these plants is conducted by a suitable qualified botanist / horticulturist over a 12-month period;	ø				
7.20	Compensatory planting of the felled trees follows the Technical Circular No. 3/2006 issued by ETWB.	P				No planting north
7.21	The Site inside or in the proximity of the streams and nearby habitats is temporarily isolated, by placing of sandbags or silt curtains with lead edge at the bottom and properly supported props, to prevent adverse impacts on these areas.			₽∕		



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Contract no. AL G513 Expansion of Wo Hop Shek Crematorium

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
7.22	Appropriate storage locations are situated well away from the streams and nearby habitats for the temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction debris and spoil are identified before commencement of the works.			Ø		
7.23	Stockpiling of construction materials, are covered and located away from the streams and nearby habitats.			ø		
7.24	Construction debris and spoil are covered up and/or properly disposed of as soon as possible to avoid being washed into the streams and nearby habitats by rain.			Ø		
7.25	Construction effluent, site runoff and sewage is properly collected and/or treated.			ø		
7.26	Proper locations for discharge outlets of any wastewater treatment facilities well away from the streams and nearby habitats are identified.			Ь		
7.27	Vehicles and other plant are carefully maintained and properly used to minimise the chance for accidental spillage.			ø		
7.28	Temporary geo-textile silt fences around earth moving works are erected to trap any sediments being washed away and prevent them from entering surrounding areas.			ø		
7.29	Exposed soil or other loose materials are covered with tarpaulins to prevent erosion, and then seeded and covered with a biodegradable geotextile blanket for erosion control purposes.			ø		

*Remarks: N/A = Not applicable at current stage

N/O = Not observed in the site walk

Yes = Compliance

No = Non-compliance



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Remark / Follow up of Observation(s) and Non-compliance(s) of Last Weekly Site Inspection:								
	at back alkey							
@ site runoff	should be contain	red within the	site.					
			2					
Signatures:								
ET	Contractor's	Architect's	IEC's					
Representative	Representative	Representative	Representative					
for half a to it	1-12	At	7th					
(Namé: (Cllun Um) (7-11-2021	(Name: M. Y. WONG)	(Name: 3-C.Chur/Acw)	(Name: H7170~ 7AM)					



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	WEEKLY ENVIRONMENTAL INSPECTION CHECKLIST									
Inspection Date: 24/11/2021			Inspected by:	ET:	John, Knong	AR:	Y.C. Chui			
Inspection Time: 0:00				Contractor:	M.Y. Wong	IEC:				
Weather					2					
Condition	Sunny	□ Fine	□ Overcast	Drizzle	🗆 Rain	□ Storm	□ Hazy			
Temperature	25.3_°C			Humidity	🗆 High	Moderate	□ Low			
Wind	□ Calm	Light	□ Breeze	□ Strong						

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
1.00	Air (Construction Phase)			10 10 A.		
1.01	Vehicle washing facilities (including a high pressure water jet) were provided at every discernible or designated vehicle exit point.			Ø		
1.02	Road between the washing facilities and the exit point is paved with concrete, bituminous or hardcore material.			Ø		
1.03	Every main haul road is paved with concrete, bituminous hardcore materials or metal plates, and kept clear of dusty materials. Or unpaved haul roads and areas are sprayed with water to keep the entire road surface wet.			P		
1.04	 Stockpile of dusty material including demolished items is either: a) covered entirely by impervious sheeting, or b) placed in an area sheltered on the top and the three sides, or c) sprayed with water or a dust suppression chemical so as to maintain the entire surface wet. 			Ø		
1.05	Exposed earth is properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.			Ø		
1.06	Water is sprayed to all dusty materials before loading or transfer operation.			Ø		
1.07	Any debris is covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides.			Ø		
1.08	Water is sprayed to debris before it is dumped into a chute.			Ø		
1.09	Vehicles for transporting dusty materials/spoils are covered with tarpaulin or similar material. The cover extends over the edges of the sides and tailboards.			Ø		
1.10	Water is sprayed immediately to the working area for uprooting of trees, shrubs, or vegetation or the removal of boulders, pole, pillars before, during and after the operation.			þ		
1.11	Workers at all levels are co-operative to avoid dust generation and dispersion to the surrounding environment.			Ø		
2.00	Noise (Construction Phase)					



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks					
2.01	Only well-maintained plant is operated on site and the plant should be regularly serviced during the construction works			Ø							
2.02	Plant used intermittently is turned off or throttled down when not in active use.			Ø							
2.03	Plant that emits noise strongly in one direction is oriented to face away from NSRs.			Ø							
2.04	Silencers, mufflers and enclosures for plant are applied where possible and maintained adequately throughout the works			Ø							
2.05	Where possible, mobile plant is sited away from NSRs			Ø							
2.06	PME is well maintained and used properly on site to minimise any excessive noise generated.			Ø							
2.07	Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.			Ø							
3.00	Land Contamination (Construction Phase)										
	N/A to the Phase III development										
4.00	Waste Management (Construction Phase)										
4.01	The necessary waste disposal permits from the appropriate authorities are obtained, in accordance with the Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation and the Land (Miscellaneous Provision) Ordinance (Cap. 28).			Ø							
4.02	A billing account with EPD for disposal of construction waste is obtained.			Ø							
4.03	A Waste Management Plan (WMP), incorporated in an Environmental Management Plan (EMP) is prepared and submitted to the Engineer/Supervising Officer for approval. Reference is made to Environment, Transport and Works Bureau Technical Circular (Works) (ETWB TCW) 19/2005.			Ø							
4.04	An approved person to be responsible for good site practice is nominated, including arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site.			Ø							
4.05	Is authorised or licensed waste hauler used to collect specific category of waste?			Ø							
4.06	A trip-ticket system is included as one of the contractual requirements and implemented by the Environmental Team to monitor the disposal of C&D and solid wastes at public filling facilities and landfills, and to control fly tipping. Reference is made to ETWB TCW No. 31/2004.			Ø							
4.07	Training of site personnel in proper waste management and chemical waste handling procedures.			þ							



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
4.08	Is routine cleaning and maintenance programme for drainage systems, sumps and oil interceptors conducted?					
4.09	Are sufficient waste disposal points and regular collection for disposal provided?			Ø		
4.10	Are appropriate measures to minimise windblown litter and dust during transportation of waste, such as covering trucks or transporting wastes in enclosed containers adopted?			Ø		
4.11	Is recording system for the amount of wastes generated, recycled and disposed of (including the disposal sites) implemented?			,Ø		
4.12	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.			P		
4.13	Encourage collection of aluminium cans, plastic bottles and packaging material (e.g. carton boxes) and office paper by individual collectors. Separately labelled bins are provided to help segregate this waste from other general refuse generated by the work force.			Ø		
4.14	Are C&D materials reused when possible to reduce the amount of C&D material/waste?			Ø		
4.15	Are wood, steel and other metals separated for reuse and / or recycling prior to disposal of C&D waste to minimise the quantity of waste to be disposed of to landfill?			Ø		
4.16	Minimise the potential for damage or contamination of construction material by having proper storage and site practices.			Ø		
4.17	Plan and stock construction materials carefully to minimise the amount of surplus materials.			Ø		
4.18	Rock and soil generated from excavation are reused for site formation and excavated material from foundation work reused for landscaping as far as practicable to avoid disposal off-site.			Ø		
4.19	Is reuse of the public fill and C&D waste practiced on site as far as practicable?			P		
4.20	The handling of C&D materials is governed by WBTC No. 2/93. Inert C&D material (public fill) is directed to an approved public filling area or reclamation site, where it has the benefit of offsetting the need for removal of materials from borrow areas for reclamation purposes and helps to reduce the pressure on landfill sites.			Ø		
4.21	Are individuals or companies who deliver public fill to public filling areas obtained dumping licences?			9		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
4.22	Are careful design, planning and good site management adopted to minimise overordering and generation of waste materials such as concrete, mortar and cement grouts? The design of formwork maximise the use of standard wooden or metal panels so that high reuse levels can be achieved. Alternatives such as. steel formwork, plastic fencing and reusable site office structures are considered to increase the potential for reuse and minimize C&D waste generation.			ø		
4.23	The contractor uses as much as possible of the C&D material on-site. Proper segregation of waste types on site will increase the feasibility of certain components of the waste stream by recycling contractors.			Ø		
4.24	General refuse is stored in enclosed bins or compaction units separate from C&D and chemical wastes. A reputable waste collector is employed by the Contractor to remove general refuse from the site, separately from C&D and chemical wastes, on a daily or every second day basis to minimise odour, pest and litter impacts.			Ø		
	Chemical Waste					
4.25	Contractor registers with the EPD as chemical waste producer if any chemical waste is generated			Ø		
4.26	All the chemical waste is handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. The chemical waste is stored and collected by an approved contractor for disposal at a licensed facility in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.			ø		
4.27	Principles of reuse and recycle chemical waste on site as far as practicable is adopted by the contractor.			ø		
4.28	Are unused chemicals or those with remaining functional capacity reused as far as practicable?			ø		
4.29	Disposal of chemical waste via a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility at Tsing Yi, which offers a chemical waste collection service and can supply the necessary storage containers or a waste recycling plant approved by EPD.			Ø		
5.00	Landscape and Visual (Construction Phase)					
5.01	Do site offices have olive green roof and façade coating or colour that matche with existing environment?			ø		
5.02	Are site offices and the construction yard decommissioned after construction?	Ø				Contraction note has <u>not been completed</u> yet
5.03	The height of site offices, including the rooftop does not exceed 10m, except building services equipment such as antennas, which exceeds 10 m but is coated in black.			Ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
5.04	Is site hoarding with 2.4m height and colour in harmony with the surrounding environment erected along the site boundary until the completion of relevant construction phases?	ø				site how-line new renored built the plastic barrier has been in use.
5.05	Are construction plants and building materials orderly and carefully stored to appear neat and avoid visibility from outside where practical?			Ø		
5.06	Are excess materials removed from site as soon as practical?			Ø		
5.07	Are all construction plants removed from site upon completion of construction works?	Ø				The construction mone has not been completed yet.
5.08	Are construction lights oriented away from the viewing location of VSRs?			Ø		
5.09	Are all lightings facing sensitive receiver installed with frosted diffusers and reflective covers?			Ŕ		
5.10	Trees that require removal are transplanted on site if practical. If not practical, these trees will be transplanted in locations within the vicinity as approved by the Architect.			Ø		
5.11	Planting works are carried out under the supervision of a specialist landscape specialist.			Ø		
5.12	The rooftop of the cremation plant room is planted with lawn.	Ø				planted
5.13	New trees, shrubs and groundcover are carefully selected and designed to homogenize with the environment.	Ø				No plantice work
5.14	No tree is transplanted or felled without prior approval by relevant Government departments.			Ø		
5.15	All trees that are marked for retention are fenced off with a 1.2m high fence around the dripline of trees or larger area as far as feasible.	Ø				All fue photy nak
5.16	Transplant preparation works are carried out as soon as possible after the commencement of construction. Over-pruning such as hard pruning of tree crown, pollarding or topping are avoided. Rootball and crown pruning are carried out over at least 3 months.			Ø		
5.17	Existing shrub and ground cover planting areas that will not be removed are maintained in good condition and enhanced if practical.			Ø		
5.18	The chimney has been designed to have sculptural outlook and articulated. It is kept in proportion with the rest of the building.			Ø		
5.19	The chimney stack is designed to locate at the least conspicuous location of the site to VSRs.			Ø		



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	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
5.20	Bi-weekly checking would be performed on the nine Terminalia mantaly trees within and outside the works area of the Project, or otherwise if the transplantations are not carried out according to the plan.			Ø		
5.21	Are silting traps installed to minimize silting to streams?			Ø		
5.22	Is the tree compensation to tree loss ratio at least 1:1 in term of quantity? About 100 trees will be planted to compensate for the loss of 54 trees. 100 trees will be planted on site and others, in locations within the vicinity approved by the Architect	Ø				No plattignort
5.23	Is amenity planting for open spaces included in the Project?	Ø				No planting work
5.24	Is screen planting such as planting a roll of trees along the site boundary butting Kiu Tau Road carried out?	Ø				No plantly work
5.25	Woodland mix, comprising of tree seedlings and shrubs, are planted within the Wo Hop Shek Cemetery to enhance the ecological value and compensatory of tree loss.	ø				No plating work
5.26	Is the 10m height headroom cremation plant room half-sunken to reduce the visual impact to pedestrians?			Ø		
6.00	Water Quality (Construction Phase)					
6.01	Wastewater is properly treated to meet the discharge standards set out in the relevant Water Pollution Control Ordinance (WPCO) discharge licence. No direct discharge of site runoff into the two streams is allowed.			Ø		
6.02	Perimeter channels are provided to intercept storm runoff from outside the site. The channels are constructed in advance of site formation works and earthworks.			Ø		
6.03	Sand/silt removal facilities such as sand traps, silt traps and sediment basins are provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the WPCO.			ø		
6.04	Works are carefully programmed to minimise soil excavation works during rainy seasons.	Ø				No excavation north
6.05	Exposed soil surfaces are protected by paving as soon as possible to reduce the potential of soil erosion.	Ø				No excavation nork
6.06	Temporary access roads are protected by crushed gravel and exposed slope surfaces are protected when rainstorms are likely to occur.			Ø		
6.07	Trench excavation is avoided in the wet season as far as practicable, and if necessary, these trenches are excavated and backfilled in short sections.	Ø				No excavation none
6.08	Open stockpiles of construction materials on site are covered with tarpaulin or similar fabric during rainstorms.			Ø		



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Contract no. AL G513 Expansion of Wo Hop Shek Crematorium

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
6.09	Sand and silt in the wash water from the wheel from the wheel washing facility are settled out and removed before discharging into the storm drain.			Ø		
6.10	Oil interceptor is provided in the drainage system and regularly emptied to prevent the release of oil and grease into the storm drainage system after accidental spillage.			ø		
6.11	Debris and rubbishes generated on site are collected, handled and disposed of properly to avoid them entering the two streams.			Ø		
6.12	All fuel tanks and storage areas are provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank.			ď		
6.13	Open storm water drains and culverts near the works area are covered to block the entrance of large debris and refuse.			P ′		
6.14	Portable chemical toilets handle the sewage from construction work force if the existing toilets in the Site are not adequate. Licensed contractors who are responsible for appropriate disposal and maintenance of these facilities provide appropriate and adequate portable toilets.			ø		
6.15	Sheet piling is provided at suitable location around the basement excavation to reduce the effect of lowering the water table from any dewatering process. Any discharge of groundwater pumped out from any dewatering process of the construction works is treated to comply with the standards set in the relevant discharge licence prior discharge. No discharge of the groundwater is allowed into the two streams.	Ø				No snundhoth has peneratol
7.00	Ecology (Construction Phase)					
7.01	Any affected trees are transplanted to grassland / scrubland within the Wo Hop Shek Cemetery.			Ø		
7.02	Temporary accesses to the work sites are carefully planned and located to minimise disturbance caused to the streams and nearby habitats.					
7.03	Less or smaller construction plants are used to reduce disturbance to the nearby habitats.			Ø		
7.04	Vehicles and other plants are carefully maintained and properly used to minimise the chance for accidental spillage.			6		
7.05	Any spillages that do occur are quickly identified and appropriately cleaned up before they can contaminate streams or groundwater.	Ø				No pillage accord.
7.06	Basement formation or any construction activities likely to pump out a large quantity of groundwater are protected with sheet-piling at suitable locations around the basement footprint, or by any like method.	Ø				Ne grevende has generated
7.07	No groundwater is pumped back to the two stream courses to protect the natural integrity of the stream habitat and the associated organism.	6				No stragnole Was generated.



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Contract no. AL G513 Expansion of Wo Hop Shek Crematorium

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
7.08	Sturdy 1.8 metres protective fencings are located at the edge of the tree canopy but not around the trunk.			Ø		
7.09	Works beneath the tree canopy are avoided: If encroachment under the canopy area is unavoidable, adequate protections are provided to ensure no damage of any part of the tree would occur due to the encroachment.			Ø		
7.10	Any tree transplanting and planting works are implemented by an approved Landscape Contractor. Quality control of the work is undertaken by a qualified Landscape Architect through site inspections and approval of works.			Ø		
7.11	Construction works are restricted within works area which are clearly defined.			Ø		
7.12	Woodland or other habitats that are affected by the construction works are well- defined and minimised.			Ø		
7.13	Human inference to habitats beyond the site boundary and habitats proposed to be retained are avoided by providing temporary barricades.			Ø		
7.14	Works area is reinstated immediately after completion of the construction.	Ø				The construction works has not been comprotes
7.15	Uncontrolled burning of refuse is strictly prohibited. Appropriate fire control measures are provided in order to protect nearby habitats.			Þ		
7.16	Trees requiring transplantation or protection are identified based on the information illustrated in the Tree Survey Report.			Ø		
7.17	Is layout of the Project carefully designed to avoid or minimize the area of habitat loss and the numbers of trees to be felled?			Þ		
7.18	All trees are preserved as far as possible, especially species of conservation concern. Recommendations provided in the Tree Survey Report to mitigate impacts on trees shall be followed.			Ŕ		
7.19	Disturbance to the two plant species of conservation concern, namely Aquilaria sinensis and Cibotium barometz, is avoided. Where removal of these species is unavoidable, it is recommended to transplant them to habitats with similar conditions. Following transplantation, regular monitoring of these plants is conducted by a suitable qualified botanist / horticulturist over a 12-month period;	Ģ				
7.20	Compensatory planting of the felled trees follows the Technical Circular No. 3/2006 issued by ETWB.	Ø				Ne plasty nork.
7.21	The Site inside or in the proximity of the streams and nearby habitats is temporarily isolated, by placing of sandbags or silt curtains with lead edge at the bottom and properly supported props, to prevent adverse impacts on these areas.			Ø		



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Contract no. AL G513 Expansion of Wo Hop Shek Crematorium

	Environmental Mitigation Measures	N/A*	N/O*	Yes*	No*	Photo/Remarks
7.22	Appropriate storage locations are situated well away from the streams and nearby habitats for the temporary storage of materials (e.g. equipment, filling materials, chemicals and fuel) and temporary stockpile of construction debris and spoil are identified before commencement of the works.			Ø		
7.23	Stockpiling of construction materials, are covered and located away from the streams and nearby habitats.			Ø		
7.24	Construction debris and spoil are covered up and/or properly disposed of as soon as possible to avoid being washed into the streams and nearby habitats by rain.			Ø		
7.25	Construction effluent, site runoff and sewage is properly collected and/or treated.			Ø		
7.26	Proper locations for discharge outlets of any wastewater treatment facilities well away from the streams and nearby habitats are identified.			ø		
7.27	Vehicles and other plant are carefully maintained and properly used to minimise the chance for accidental spillage.			9		
7.28	Temporary geo-textile silt fences around earth moving works are erected to trap any sediments being washed away and prevent them from entering surrounding areas.			ø		
7.29	Exposed soil or other loose materials are covered with tarpaulins to prevent erosion, and then seeded and covered with a biodegradable geotextile blanket for erosion control purposes.			ø		

*Remarks: N/A = Not applicable at current stage

N/O = Not observed in the site walk

Yes = Compliance

No = Non-compliance



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Contract no. AL G513 Expansion of Wo Hop Shek Crematorium

Remark / Follow up of Observation(s) and Non-compliance(s) of Last Weekly Site Inspection: & Observetica(S) Remindets): - Chamical material should be placed on drip tray - House Keeping should be maintain regularly Note: Figure 4,5 regarding to clause 3.6 of EP has been displayed at the entrance of the site Signatures: ET Contractor's Architect's IEC's Representative Representative Representative Representative) (Name: M.Y. Wor (Name: John) (Name: **Y** Chur (Name: (w.) Know

)



APPENDIX L: STATISTICS ON COMPLAINT, NOTIFICATIONS OF SUMMONS AND SUCCESSFUL PROSECUTIONS



Statistical Summary of Exceedances Air Quality							
Location	Location Action Level Limit Level Tota						
A10	0	0	0				
A20	0	0	0				

Statistical Summary of Environmental Complaints

Reporting	Env	ironmental Complaint St	atistics
Period	Frequency	Cumulative	Complaint Nature
01 November 2021 – 30 November 2021	0	0	N/A

Statistical Summary of Environmental Non-compliance

Reporting	Enviro	nmental Non-compliance	Details			
Period	Frequency	Cumulative	Details			
01 November 2021 – 30 November 2021	0	0	N/A			

Statistical Summary of Environmental Summons

Reporting	Env	ronmental Summons Statistics				
Period	Frequency	Cumulative	Details			
01 November 2021 – 30 November 2021	0	0	N/A			

Statistical Summary of Environmental Prosecution

Reporting	Envi	ronmental Prosecution S	n Statistics Details N/A		
Period	Frequency	Cumulative	Details		
01 November 2021 – 30 November 2021	0	0	N/A		



APPENDIX M: IMPACT MONITORING SCHEDULE OF NEXT REPORTING MONTH

Contract No. AL G513 Expansion of Wo Hop Shek Crematorium Monthly EM&A Report No.21



	Impact Monitoring Schedule for Expansion of Wo Hop Shek Crematorium							
		1	Dec-21	T				
Sun	Mon	Tue	Wed 1	Thur	Fri	Sat 4		
			Weekly ET site inspection and audit Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630	2				
5	6	7	8	9	10	11		
		Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630	Weekly ET site inspection and audit					
12	13	14	15	16	17	18		
	Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630		Weekly ET site inspection and audit		Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630			
19	20	21	22	23	24	25		
			Weekly ET site inspection and audit	Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630				
26	27	28	29	30	31			
			Weekly ET site inspection and audit Air monitoring for A10, A20 for 1-hr TSP and 24-hr TSP Monitoring Time: 0900-1630					

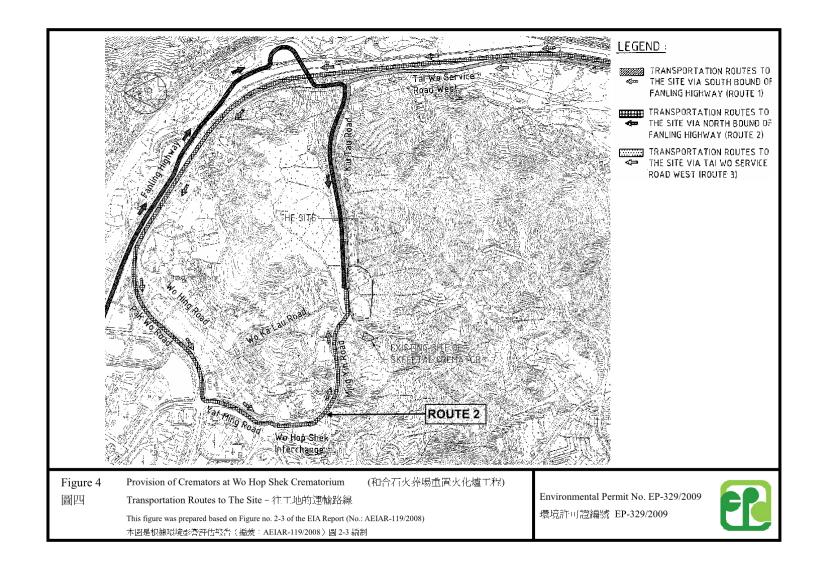
*Remarks: 1. This impact monitoring schedule is subject to change due to adverse weather conditions or other rationales.

2. Advance notification of the changes will be given to all relevant parties at lease 48 hours prior to implementation.

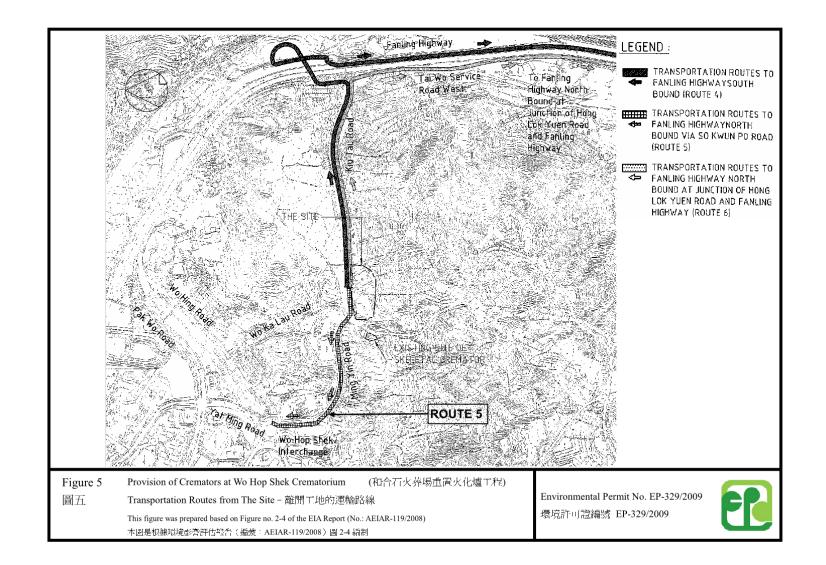


APPENDIX N: TRANSPORTATION ROUTES TO/FROM THE SITE











APPENDIX O: LAB REPORT

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Test Report

Page 1 of 2

Report Number	: Q210003aR211501
Job Number	: R211501
Issue Date	: 06/11/2021
Name of Applicant	: Acuity Sustainability Consulting Limited
Address of Applicant	: Unit E, 12/F, Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong
Project Name	: ASCL-2018028 Expansion of Wo Hop Shek Crematorium
Sample Description	: Total Suspended Particulates
Laboratory ID	: R211501/1-2
Date of Sampling Date Received Test Period	: 02/11/2021 : 02/11/2021 : 02/11/2021 – 03/11/2021
Test Required	: 1. Total Suspended Particulates (TSP)
Method Used	: 1. Gravimetric method
Test Result	: Refer to the results on page 2.
	For and on behalf of Acumen Laboratory and Testing Limited
Authorized Signature:	Hui Wai Fung, Huntington Laboratory Manager

Chemical Division

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Test Report

Page 2 of 2

Report Number	: Q210003aR211501				
Job Number	: R211501				
Issue Date	: 06/11/2021				

Test Result:

Lab ID	Date of Sampling	Client Sample ID	Initial Weight (g)	Final Weight (g)	Total Suspended Particulates (g)
R211501/1	02/11/2021	Fung Kai Liu Yun Sum Memorial School	2.7859	2.8955	0.1096
R211501/2	02/11/2021	Fanling Government Secondary School	2.7756	2.8492	0.0736

Note:

1. < indicates less than.
 2. > indicates more than.

3. NA indicates Not Applicable.

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Test Report

Page 1 of 2

Report Number	: Q210003aR211554
Job Number	: R211554
Issue Date	: 12/11/2021
Name of Applicant	: Acuity Sustainability Consulting Limited
Address of Applicant	: Unit E, 12/F, Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong
Project Name	: ASCL-2018028 Expansion of Wo Hop Shek Crematorium
Sample Description	: Total Suspended Particulates
Laboratory ID	: R211554/1-2
Date of Sampling	: 08/11/2021
Date Received	: 08/11/2021
Test Period	: 08/11/2021 – 09/11/2021
Test Required	: 1. Total Suspended Particulates (TSP)
Method Used	: 1. Gravimetric method
Test Result	: Refer to the results on page 2.
	For and on behalf of
	Acumen Laboratory and Testing Limited

Authorized Signature:

Hui Wai Fung, Huntington Laboratory Manager

Chemical Division

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Test Report

Page 2 of 2

Report Number	: Q210003aR211554

Job Number : R211554

Issue Date : 12/11/2021

Test Result:

Lab ID	Date of Sampling	Client Sample ID	Initial Weight (g)	Final Weight (g)	Total Suspended Particulates (g)
R211554/1	08/11/2021	Fung Kai Liu Yun Sum Memorial School	2.7850	2.8887	0.1037
R211554/2	08/11/2021	Fanling Government Secondary School	2.7747	2.8257	0.0510

Note:

1. < indicates less than.

2. > indicates more than.
 3. NA indicates Not Applicable.

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Test Report

Page 1 of 2

Report Number	: Q210003aR211629
Job Number	: R211629
Issue Date	: 29/11/2021
Name of Applicant	: Acuity Sustainability Consulting Limited
Address of Applicant	: Unit E, 12/F, Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong
Project Name	: ASCL-2018028 Expansion of Wo Hop Shek Crematorium
Sample Description	: Total Suspended Particulates
Laboratory ID	: R211629/1-2
Date of Sampling	: 13/11/2021
Date Received	: 13/11/2021
Test Period	: 13/11/2021 – 14/11/2021
Test Required	: Total Suspended Particulates (TSP)
Method Used	: Gravimetric method
Test Result	: Refer to the results on page 2.
	For and on behalf of Acumen Laboratory and Testing Limited

Authorized Signature:

Hui Wai Fung, Huntington Laboratory Manager

Chemical Division

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Test Report

Page 2 of 2

- : Q210003aR211629 **Report Number**
- : R211629 Job Number
- : 29/11/2021 **Issue Date**

Test Result:

Test Result.					
Lab ID	Date of Sampling	Client Sample ID	Initial Weight (g)	Final Weight (g)	Total Suspended Particulates (g)
R211629/1	13/11/2021	Fung Kai Liu Yun Sum Memorial School	2.7862	2.8540	0.0678
R211629/2	13/11/2021	Fanling Government Secondary School	2.7899	2.8729	0.0830

Note: 1. < indicates less than.

2. > indicates more than.

3. NA indicates Not Applicable.

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Test Report

Page 1 of 2

Report Number	: Q210003aR211631
Job Number	: R211631
Issue Date	: 29/11/2021
Name of Applicant	: Acuity Sustainability Consulting Limited
Address of Applicant	: Unit E, 12/F, Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong
Project Name	: ASCL-2018028 Expansion of Wo Hop Shek Crematorium
Sample Description	: Total Suspended Particulates
Laboratory ID	: R211631/1-2
Date of Sampling	: 19/11/2021
Date Received	: 19/11/2021
Test Period	: 19/11/2021 – 20/11/2021
Test Required	: Total Suspended Particulates (TSP)
Method Used	: Gravimetric method
Test Result	: Refer to the results on page 2.
	For and on behalf of Acumen Laboratory and Testing Limited

Authorized Signature:

Hui Wai Fung, Huntington Laboratory Manager **Chemical Division**

Hong Kong Accreditation Service (HKAS) has accredited Acumen Laboratory and Testing Limited (Reg. No. HOKLAS 241 - TEST) under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS directory of accredited laboratories. This report is issued subject to Acumen Laboratory and Testing Limited standard TERMS AND CONDITIONS, and shall not be reproduced except in full or with written approval by Acumen Laboratory and Testing Limited. The result(s) of this report are applied to the sample(s) submitted only.

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Acumen Laboratory and Testing Limited

Unit D, 12/F, Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong Fax: (852) 2333 1316

Test Report

Report Number : Q210003aR211631

Job Number : R211631

Issue Date : 29/11/2021

Test Result:

		1)[And and a second se	
Lab ID	Date of Sampling	Client Sample ID	Initial Weight (g)	Final Weight (g)	Total Suspended Particulates (g)
R211631/1	19/11/2021	Fung Kai Liu Yun Sum Memorial School	2.7722	2.8460	0.0738
R211631/2	19/11/2021	Fanling Government Secondary School	2.7617	2.8263	0.0646

Note:

1. < indicates less than. 2. > indicates more than.

3. NA indicates Not Applicable.

End of Report

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Page 2 of 2

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Test Report

Page 1 of 2

Report Number	: Q210003aR211651
Job Number	: R211651
Issue Date	: 06/12/2021
Name of Applicant	: Acuity Sustainability Consulting Limited
Address of Applicant	: Unit E, 12/F, Ford Glory Plaza, No. 37-39 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong
Project Name	: ASCL-2018028 Expansion of Wo Hop Shek Crematorium
Sample Description	: Total Suspended Particulates
Laboratory ID	: R211651/1-2
Date of Sampling	: 25/11/2021
Date Received	: 25/11/2021
Test Period	: 25/11/2021 – 26/11/2021
Test Required	: Total Suspended Particulates (TSP)
Method Used	: Gravimetric method
Test Result	: Refer to the results on page 2.
	For and on behalf of
	Acumen Laboratory and Testing Limited

Authorized Signature:

Hui Wai Fung, Huntington Laboratory Manager Chemical Division

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Test Report

Page 2 of 2

- : Q210003aR211651 **Report Number**
- : R211651 Job Number
- : 06/12/2021 **Issue Date**

Test Result:

Lab ID	Date of Sampling	Client Sample ID	Initial Weight (g)	Final Weight (g)	Total Suspended Particulates (g)
R211651/1	25/11/2021	Fung Kai Liu Yun Sum Memorial School	2.7991	2.9195	0.1204
R211651/2	25/11/2021	Fanling Government Secondary School	2.7849	2.8779	0.0930

Note:

1. < indicates less than.

2. > indicates more than. 3. NA indicates Not Applicable.

End of Report

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