

Water Supplies Department New Works Branch Construction Division 11 Tai Yip Lane Kowloon Bay Kowloon Hong Kong

Your reference:

Our reference:

HKWSD201/50/107398

Date: 24 June 2021

Attention: Mr Y M Chan

BY POST

Dear Sirs

Quotation No.: WQ/17/A071 Independent Environmental Checker for Water Supplies Department – Proposed Desalination Plant in TKO Area 137 for Contract No. 13/WSD/16 Verification of Monthly EM&A Report No.34

We refer to emails of 21 and 24 June 2021 attaching Monthly EM&A Report No.34 for the captioned project prepared by the ET.

We have no comment and hereby verify the Monthly EM&A Report No.34 in accordance with Clause 3.5 of the Environmental Permit no. EP-503/2015/A.

Should you have any queries regarding the above, please do not hesitate to contact the undersigned or our Mr Louis Kwan 2618 2831.

Yours faithfully ANEWR CONSULTING LIMITED

James Choi Independent Environmental Checker

CPSJ/KSYL/lsmt









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Contract No. 13/WSD/16

Mainlaying in Tseung Kwan O

Monthly EM&A Report No. 34 (Period from 1 to 31 May 2021)

June 2021 (Rev. 0)

	Prepared by:	Certified by:
Name Karen Cheung		Jacky Leung
Position	EnvironmentalTeam	Environmental Team Leader
Signature	d.	h
Date:	14/06/2021	14/06/2021



Revision History

0	1 st Submission	14 June 2021
Rev.	DESCRIPTION OF MODIFICATION	DATE



CONTENT

1.	Executive Summary Basic Project Information	. 8
	Noise Monitoring	
	Waste management	
4.	Landfill gas monitoring	18
5.	Summary of Monitoring Exceedance, Complaints, Notification of Summo and Prosecutions	
6.	EM&A Site Inspection	38
7.	Future Key Issues	40
8.	Conclusion and Recommendations	42

Appendix A	Construction Programme		
Appendix B	Overview of Mainlaying in Tseung Kwan O		
Appendix C	Summary of Implementation Status of Environmental Mitigation		
Appendix D	Impact Monitoring Schedule of the Reporting Month		
Appendix E	Noise Monitoring Equipment Calibration Certificate		
Appendix F	Event/Action Plan for Noise Exceedance		
Appendix G	Noise Monitoring Data		
Appendix H	Waste Flow Table		
Appendix I	Landfill Gas Monitoring Equipment Calibration Certificate		
Appendix J	Landfill Gas Monitoring Data		
Appendix K	Complaint Log and Regulatory Compliance Proforma		
Appendix L	Site Inspection Proforma		
Appendix M	Proactive Environmental Protection Proforma		
Appendix N	Impact Monitoring Schedule of Next Reporting Month		
Appendix O	Academic Calendar(s)		



EXECUTIVE SUMMARY

Introduction

- A1. Penta-Ocean - Concentric Joint Venture (POCJV) is contracted to carry out the Mainlaying in Tseung Kwan O under Contract No. 13/WSD/16 (hereinafter known as "the Project").
- A2. In accordance with the Environmental Monitoring and Audit (EM&A) Manual for the Project, EM&A works should be carried out by Environmental Team (ET), Acuity Sustainability Consulting Limited (ASCL), during the construction phase of the Project.
- A3. This is the 34th 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 Tseung Kwan O (TKO) during the reporting period from 1 May 2021 to 31 May 2021.
- A4. The EM&A programme for this contract has covered environmental monitoring on construction noise 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

Γ	Location	Location	Works Conducted in the reporting month
ŀ	Key works carried out in this reporting period for the Project included the followings:		

Location	Location	Works Conducted in the reporting month
Portion H of the Project Site	TKO 137 Pit B	• Pipe Jacking by TBM was conducted.
	Wan Po Rd – Workfront 1	 Pipe trench excavation and pipe laying were in-progress.
	Wan Po Rd – Workfront 2	 Pipe trench excavation and pipe laying were in-progress.
	Wan Po Rd – Workfront 3	 Pipe trench excavation and pipe laying were in-progress.
	Wan Po Rd – Workfront 4	 Pipe trench excavation and pipe laying were in-progress.
Portion J of the Project Site	Wan Po Rd – Pit A	 Pit excavation and ELS works were in-progress.
i loject olte	Wan Po Rd – Pit B	 Drilling and re-grouting works were conducted.
	Landfill Stage 1 – Area A	Construction works for 900HSV chamber were conducted.
	Landfill Stage 1 – Area B	Trench excavation and pipe laying were in-progress.
	Cycle Track – Workfront 1	Trench excavation and pipe laying were in-progress.



Location	Location	Works Conducted in the reporting month
	Cycle Track – Workfront 2	 Trench excavation and pipe laying were in-progress.
	Velodrome – Pit J1A	 Pit construction works were conducted.
	Velodrome – Pit M	 Pipe jacking preparation works were conducted.
	Velodrome – Pit O	 Construction works for rescue pit for TBM were conducted.
		 Horizontal drilling ground treatment works were conducted.
	Mau Wu Tsai – Workfront 1	 Trench excavation and pipe laying works were conducted.
	Po Lam Road (D2)	 Trench excavation and pipe laying works were conducted.
	Po Lam Road (A0)	 Trench excavation and pipe laying works were conducted.
	TKO Primary Service Reservoir	• Trench excavation and pipe laying works were conducted.

- A6. The major environmental impacts brought by the above construction works include:
 - Construction dust and noise generation from saw cutting of concrete surface, mainlaying of pipes, TBM break through, excavation and drilling works
 - Waste generation from the construction activities
 - Impact on water quality from construction activities
- A7. The key environmental mitigation measures implemented for the Project in this reporting period associated with the above construction works include:
 - Reduction of construction dust generation from saw cutting of concrete surface, mainlaying of pipes, TBM break through, excavation and drilling works
 - Reduction of noise from equipment and machinery on-site
 - Sorting and storage of general refuse and construction waste
 - Treatment of wastewater through water treatment facilities before discharge

Summary of Exceedance & Investigation & Follow-up

A8. Noise monitoring was conducted in the reporting month for NSR4 Creative Secondary School on 7, 13, 21 and 26 May 2021 as construction works were conducted within 300m to the noise sensitive receiver. No project-related exceedance of the Action and Limit Level was recorded during the reporting period.



A9. NSR4 was appointed as a Hong Kong Diploma of Secondary Education Examination (HKDSE) examination centre from 03rd to 15th May, 2021 in the reporting period. Examinations were scheduled in the reporting month on 21st and 26th May, 2021. Hence the noise limit level was 65.0 dB(A) on 07th, 21st and 26th May, 2021. The noise limit level was 70 dB(A) for other impact monitoring dates. DSE examination schedule and Academic School Calendar can be found in **Appendix O**.

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 in the reporting month.

Reporting Change

A12. There were no changes reported that may affect the on-going EM&A programme.

Summary of Upcoming Key Issues and Key Mitigation Measures

A13. Key works in June 2021 (the next reporting month) for the Project will include the followings:

Location	Location	Forecast Works in Next Reporting Month
Portion H of the Project Site	TKO 137 Pit B	Pipe jacking works by TBM will be continued.
	Wan Po Rd – Workfront 1	Trench excavation and pipe laying will be conducted.
	Wan Po Rd – Workfront 2	 Trench excavation and pipe laying works will be conducted.
	Wan Po Rd – Workfront 3	 Trench excavation and pipe laying works will be conducted.
	Wan Po Rd – Workfront 4	 Trench excavation and mainlaying works will be conducted.
Desting Laftha	Wan Po Rd – Pit A	 Excavation and ELS works will be conducted.
Portion J of the Project Site	Wan Po Rd – Pit B	 Pit excavation works will be continued.
	Landfill Stage 1 – Area A	 900HSV Chamber construction works will be conducted.
	Landfill Stage 1 – Area B	 Trench excavation and pipe laying works will be conducted.
	Cycle Track – Workfront 1	 Trench excavation and pipe laying works will be conducted.
	Cycle Track – Workfront 2	Trench excavation and pipe laying works will be conducted.
	Velodrome – Pit M	Pipe jacking works will be continued.



Location	Location	Forecast Works in Next Reporting Month
	Velodrome – Pit O	Construction of rescue pit for TBM will be conducted.
	Velodrome – Pit P	Horizontal drilling ground treatment works will be continued.
	Mau Wu Tsai – Workfront 1	• Trench excavation and pipe mainlaying works will be conducted.
	Po Lam Road (D2)	• Trench backfilling and reinstatement works will be conducted.
	Po Lam Road (A0)	• Trench backfilling and reinstatement works will be conducted.
	TKO Primary Service Reservoir	• Trench excavation and pipe laying works will be conducted.

A14. The major environmental impacts brought by the above construction works will include:

- Construction dust and noise generation of saw cutting of concrete surface, mainlaying of pipes, drilling activities, TBM break through and excavation works .
- Waste generation from construction activities
- Impact on water quality from construction activities
- A15. The key environmental mitigation measures for the Project in the coming reporting period associated with the above construction works will include:
 - Reduction of construction dust generation of saw cutting of concrete surface, mainlaying of pipes, drilling acitivities and excavation works by regular water spraying and covering of dusty materials with screenings
 - Reduction of noise from equipment and machinery on-site
 - Sorting and storage of general refuse and construction waste
 - Treatment of wastewater through water treatment facilities before discharge



1. BASIC PROJECT INFORMATION

1.1 Background

The proposed Desalination Plant at Tseung Kwan O (DPTKO) will produce potable water with an initial capacity of 135 million liters per day (MLD), expandable to an ultimate capacity of 270 MLD in the future to provide a secure and alternative fresh water resource complying with the World Health Organization (WHO) standards. The plant will adopt the Seawater Reverse Osmosis (SWRO) technology, which dominates the market due to its reliability and progressive reduction in cost as the technology advances.

Pursuant to the Environmental Impact Assessment Ordinance (EIAO), the Director of Environmental Protection granted the Variation of Environmental Permit (No. EP-503/2015/A) to Water Supplies Department (WSD) for the Project on 26 January 2018.

The scope of the Contract may be considered in brief, to consist of the laying of about 10km long 1200mm diameter fresh water mains and the associated works along the alignment of the Project as shown with the overall view in **Appendix B**.

1.2 The Reporting Scope

This is the 34th Monthly EM&A Report for the Project which summarizes the key findings of the EM&A programme during the reporting period from 1 May 2021 to 31 May 2021.

1.3 Project Organization

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



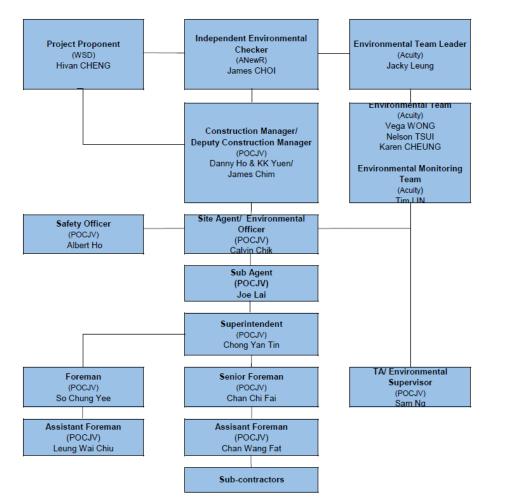


Figure 1.1 Project Organization Chart

Contact details of the key personnel are presented in Table 1.1 below:	Contact details of the key personnel	are presented in Table 1.1 below:
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Party	Position	Name	Telephone no.
Penta-Ocean - Concentric Joint Venture	Environmental Officer	Calvin Chik	9863 5630
Acuity Sustainability Consulting Limited	Environmental Team Leader	Jacky Leung	2698 6833
ANewR Consulting Limited	Independent Environmental Checker	James Choi	2618 2831



1.4 Summary of Construction Works

Details of the major construction works undertaken in this reporting period are shown in **Table 1.2** and the construction works locations are shown **in Appendix B**. The construction programme is presented in **Appendix A**.

Table 1.2 Summary of the Construction Works Undertaken during the ReportingMonth

Location	Location	Works Conducted in the reporting month	
Portion H of the Project Site	TKO 137 Pit B	Pipe Jacking by TBM was conducted.	
	Wan Po Rd – Workfront 1	Pipe trench excavation and pipe laying were in-progress.	
	Wan Po Rd – Workfront 2	Pipe trench excavation and pipe laying were in-progress.	
	Wan Po Rd – Workfront 3	Pipe trench excavation and pipe laying were in-progress.	
	Wan Po Rd – Workfront 4	Pipe trench excavation and pipe laying were in-progress.	
	Wan Po Rd – Pit A	 Pit excavation and ELS works were in-progress. 	
	Wan Po Rd – Pit B	• Drilling and re-grouting works were conducted.	
	Landfill Stage 1 – Area A	Construction works for 900HSV chamber were conducted.	
	Landfill Stage 1 – Area B	Trench excavation and pipe laying were in-progress.	
Portion J of the	Cycle Track – Workfront 1	Trench excavation and pipe laying were in-progress.	
Project Site	Cycle Track – Workfront 2	 Trench excavation and pipe laying were in-progress. 	
	Velodrome – Pit J1A	Pit construction works were conducted.	
	Velodrome – Pit M	Pipe jacking preparation works were conducted.	
	Velodrome – Pit O	Construction works for rescue pit for TBM were conducted.	
	Velodrome – Pit O	Horizontal drilling ground treatment works were conducted.	
	Mau Wu Tsai – Workfront 1	Trench excavation and pipe laying works were conducted.	
	Po Lam Road (D2)	Trench excavation and pipe laying works were conducted.	
	Po Lam Road (A0)	 Trench excavation and pipe laying works were conducted. 	
	TKO Primary Service Reservoir	Trench excavation and pipe laying works were conducted.	



1.5 Summary of Environmental Status

A summary of the valid permits, licences, and or notifications on environmental protection for this Project is presented in **Table 1.3**.

Table 1.3 Summary of the Status of Valid Environmental Licence, Notification,Permit and Documentations

Permit/ Licences/ Notification	Reference	Validity Period	Remarks
Variation of Environmental Permit	EP no.: EP-503/2015/A	Throughout the Contract	-
Notification of Construction Works under the Air Pollution Control (Construction Dust) Regulation (Form NA)	Ref no.: 423775	Throughout the Contract	-
Chemical Waste Producer Registration	WPN: 5213-839-P3287-01	Throughout the Contract	-
Billing Account for Disposal of Construction Waste	A/C no.: 7029491	Throughout the Contract	-
Water Discharge Licence	WT00032336-2018	Until 31 Dec 2023	-
Construction Noise Permit (Wan Po Road, Wan O Road and Chun Yat Street)	GW-RE0277-21	Until 30 Sep 2021	-
Construction Noise Permit (Tseung Kwan O Area 137, N.T.)	GW-RE0383-21	Until 30 Sep 2021	-
Construction Noise Permit (Hong Kong Velodrome)	GW-RE0961-20	Until 17 May 2021	-

The status for all environmental aspects is presented **Table 1.4**.

Table 1.4 Summary of Status for Key Environmental Aspects under the EM&A Manual

Parameters	Status				
	Noise				
Baseline Monitoring	The baseline noise monitoring result has been reported in Baseline Monitoring Report and submitted to EPD under VEP Condition 3.4.				
Impact Monitoring	On-going				
	Waste Management				
Mitigation Measures in Waste Monitoring Plan	On-going				
	Landfill Gas				
Impact Monitoring	On-going				
Environmental Audit					
Site Inspection On-going					

Other than the EM&A works by ET, 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 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. NOISE MONITORING

2.1 Monitoring Requirements

To ensure no adverse noise impact, noise monitoring is recommended to be carried out within 300m radius from the nearby noise sensitive receivers (NSRs), during construction phase. The NSRs selected as monitoring station are (i) NSR4 – Creative Secondary School, (ii) NSR24 – PLK Laws Foundation College, and (iii) NSR31 – School of Continuing and Professional Studies – CUHK respectively.

In accordance with the EM&A Manual, baseline noise level at the noise monitoring stations were established as presented in the Baseline Monitoring Report. Impact noise monitoring will be conducted once per week in the form of 30-minute measurements Leq, L10 and L90 levels recorded at each monitoring station between 0700 and 1900 on normal weekdays.

Referring to EM&A manual Section 4.1.2, the impact noise monitoring should be carried out at all the designated monitoring stations when there are projectrelated construction activities undertaken within a radius of 300m from the monitoring stations.

Impact monitoring for noise impact was conducted in the reporting month for NSR4 – Creative Secondary School on 7, 13, 21 and 26 May 2021 as construction works were conducted within 300m to the noise sensitive receiver. Detailed monitoring results can be found in **Appendix G**.

NSR4 was appointed as a Hong Kong Diploma of Secondary Education Examination (HKDSE) examination centre from 03rd to 15th May, 2021 in the reporting period. Examinations were scheduled in the reporting month on 21st and 26th May, 2021. Hence the noise limit level was 65.0 dB(A) on 07th, 21st and 26th May, 2021. The noise limit level was 70 dB(A) for other impact monitoring dates. DSE examination schedule and Academic School Calendar can be found in **Appendix O**.

2.2 Noise Monitoring Parameters, Time, Frequency

Impact noise monitoring was conducted weekly in the reporting period between 0700-1900 on normal weekdays. Construction works would follow the requirements as stipulated in the valid CNPs if works have to be conducted during 1900-0700 in all days or any time on Sundays or general holidays.



Construction noise level was measured in terms of the A-weighted equivalent continuous sound pressure level (LAeq). Leq _{30min} was used as the monitoring parameter for the time period between 0700 and 1900 on normal weekdays. **Table 2.1** summarizes the monitoring parameters, frequency and duration of the impact noise monitoring. The monitoring schedule is provided in **Appendix D**.

Time	Frequency	Duration	Parameters
Daytime: 0700-1900	Once per week	Continuously in L _{eq 5min} /L _{eq 30min} (average of 6 consecutive L _{eq 5min})	L _{eq} , L ₁₀ & L ₉₀

2.3 Noise Monitoring Locations

The monitoring locations should normally be made at a point 1m from the exterior of the NSRs building façade and be at a position 1.2m above the ground. A correction of +3dB(A) should be made to the free-field measurements.

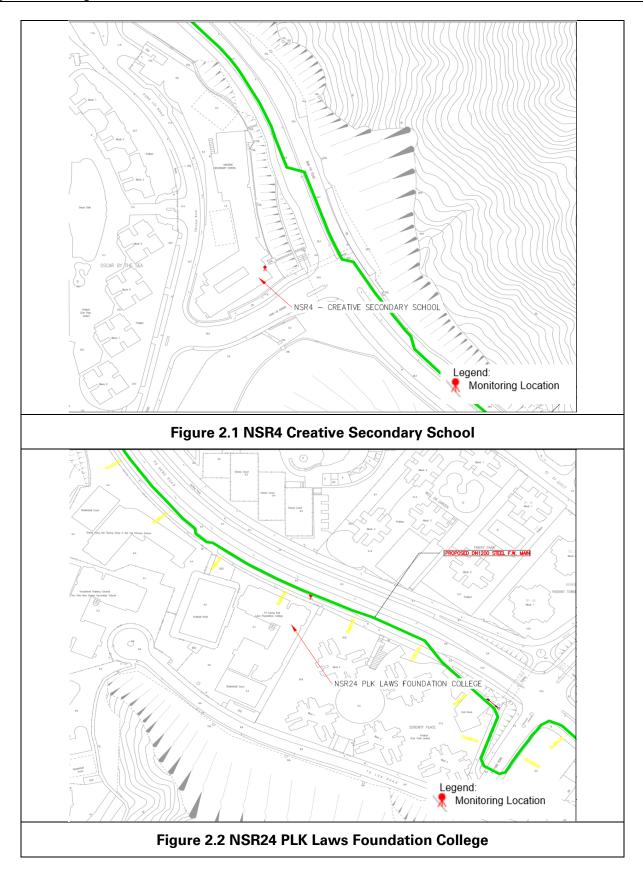
According to the environmental findings detailed in the EIA report and Baseline Monitoring Report, the designated locations for the construction noise monitoring are listed in **Table 2.2** below.

Table 2.2 Noise Monitoring Location

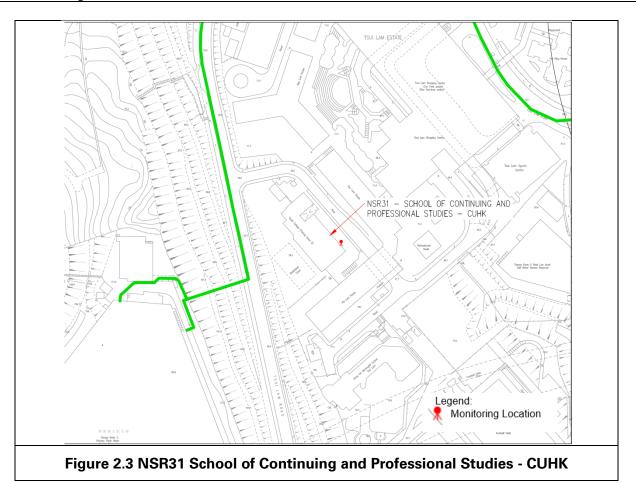
NSR ID	Noise Sensitive Receivers	Monitoring Location	Position
NSR 4	Creative Secondary School	Roof Floor	1 m from facade
NSR 24	PLK Laws Foundation College	Pedestrian Road on Ground Floor	Free-field
NSR 31	School of Continuing and Professional Studies - CUHK	Roof Floor	1 m from facade

Three noise monitoring locations for impact monitoring at the nearby sensitive receivers are shown in **Figure 2.1-2.3**.









2.4 Impact Monitoring Methodology

Integrated sound level meters were used for the noise monitoring. The meters were in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications. Immediately prior to and following each noise measurement the accuracy of the sound level meters were checked using an acoustic calibrator generating a known sound pressure level at a known frequency. Measurements may be accepted as valid only if the calibration level before and after the noise measurements agree to within 1.0 dB(A). Calibration certificates of the instruments used are presented in **Appendix E**. Noise measurements were not made in the presence of fog, rain, wind with a steady speed exceeding 5 m/s or wind with gusts exceeding 10 m/s. The wind speed would be checked with a portable wind speed meter capable of measuring the wind speed in m/s.



Nil

Г						
	Equipment	Brand and Model	Serial Number	Date of Calibration	Calibration Certificate Expiry Date	Detection Limit
	Sound Level Meter	NTi XL2	A2A- 13663-E0	09/09/2020	08/09/2021	30-130 dB(A)
	Sound Level Meter Calibrator	Pulsar 105	63705	06/08/2020	05/08/2021	Nil

Nil

Nil

Nil

Table 2.3 Impact Noise Monitoring Equipment

Kestrel

1000 Wind

Meter

2.5 Action and Limit Levels

Pocket Wind

Meter

Anemometer

The Action/Limit Levels are in line with the criteria of Practice Note for Professional Persons (ProPECC PN 2/93) "Noise from Construction Activities -Non-statutory Controls" and Technical Memorandum on Environmental Impact Assessment Process issued by HKSAR Environmental Protection Department ["EPD"] under the Environmental Impact Assessment Ordinance, Cap 499, S.16 are presented in Table 2.4.

Table 2.4 Action and Limit Levels for Noise

Time Period	Action Level	Limit Level (dB(A))	
0700-1900 on normal weekdaysuk	When one documented complaint is received from any one of the noise sensitive receivers	 70 dB(A) for school and 65 dB(A) during examination period 	
Notes: (a) Limits specified in the GW-TM and IND-TM for construction and operation noise, respectively.			

If exceedances are found during noise monitoring, the actions in accordance with the Event and Action Plan will be carried out according to Appendix F.

2.6 Monitoring Results and Observations

Referring to EM&A manual Section 4.1.2, impact monitoring for noise impact was conducted in the reporting month for NSR4 - Creative Secondary School on 7, 13, 21 and 26 May 2021. Detailed monitoring results are presented in Appendix G.

NSR4 was appointed as a Hong Kong Diploma of Secondary Education Examination (HKDSE) examination centre from 03rd to 15th May, 2021 in the reporting period. Examinations were scheduled in the reporting month on 21st and 26th May, 2021. Hence the noise limit level was 65.0 dB(A) on 07th, 21st and 26th May, 2021. The noise limit level was 70 dB(A) for other impact monitoring dates. DSE examination schedule and Academic School Calendar can be found in Appendix O.



No construction works within 300m radius of NSR24 and NSR31. Thus, no monitoring works carried at these two locations in the reporting month.

3. WASTE MANAGEMENT

3.1 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 H**.

Table 3.1 Quantities of waste generated from the Project

		Quantity				
			Non-inert C&D Materials			
Reporting period	Inert C&D Materials (in	Chemical Waste (in '000kg)	General Refuse Recycled materials		5	
	'000m3)	(in ocong)	Landfill (in '000m3)	Paper/card board (in (2021-r)	Plastics (in	Metals (in
				(in '000kg)	'000kg)	'000kg)
May-21	2.265	0.000	0.006	0.049	0.000	0.000



4. LANDFILL GAS MONITORING

4.1 Monitoring Requirement

In accordance with Section 11 of the EM&A Manual, monitoring of landfill gas is required for construction works within the 250m Consultation Zone. Part of the desalination plant and the indicative area of natural slope mitigation works fall within the SENT Landfill Extension Consultation Zone; and part of the 1,200 mm diameter fresh water mains along Wan Po Road falls within the SENT Landfill and SENT Landfill Extension Consultation Zones, TKO Stage II/III Restored Landfill and TKO Stage I Restored Landfill Consultation Zones.

4.2 Monitoring Location

Monitoring of oxygen, methane, carbon dioxide and barometric pressure was performed for excavations at 1m depth or more within the consultation Zone. In this reporting period, 716 times of monitoring was recorded.

During construction of works within the consultation zones, excavations of 1m depth or more was monitored:

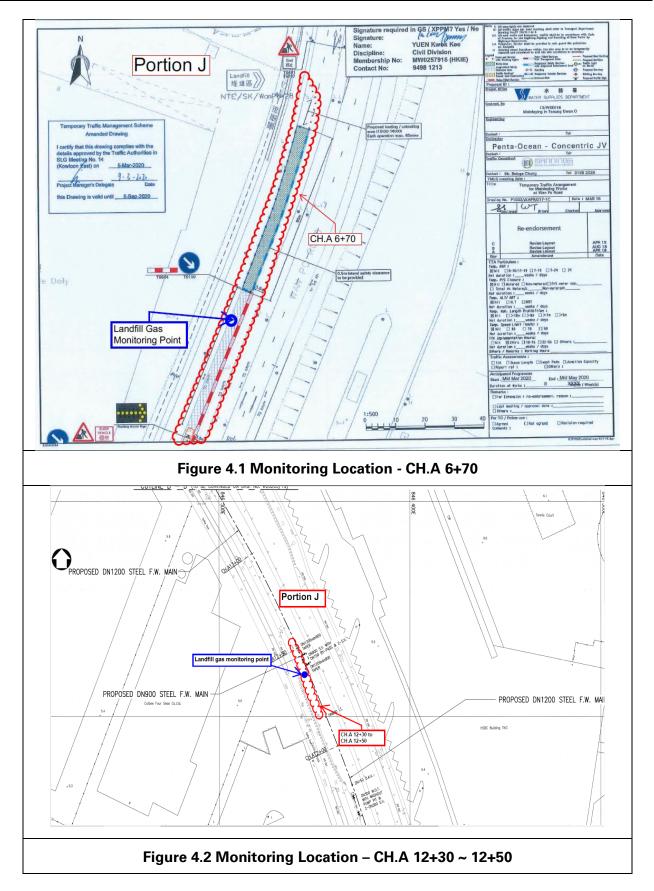
- At the ground surface before excavation commences;
- Immediately before any worker enters the excavation;
- At the beginning of each working day for the entire period when the excavation remains open; and
- Periodically through the working day whilst workers are in the excavation.

For excavations between 300mm and 1m deep, measurements should be carried out:

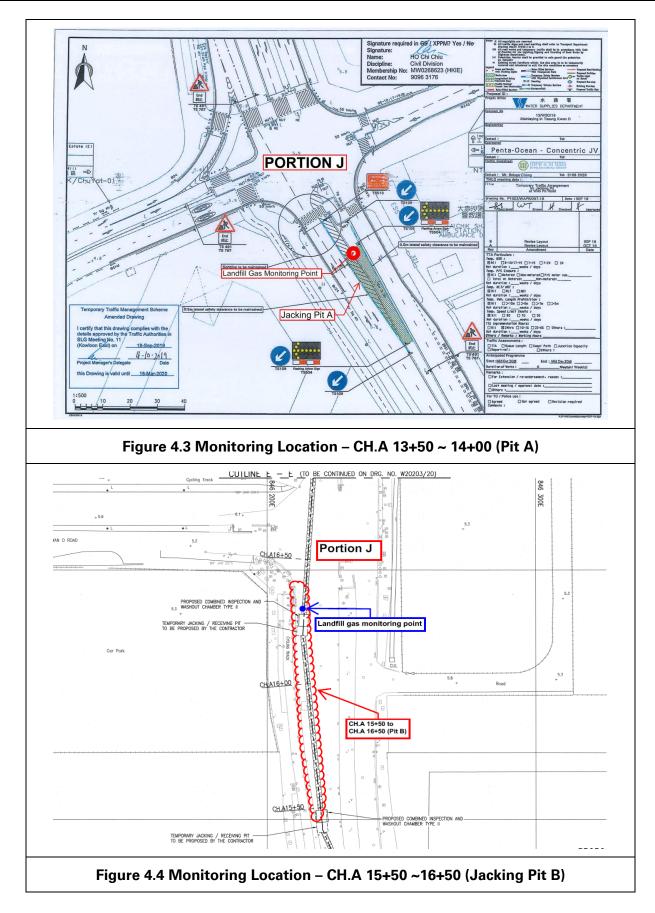
- Directly after the excavation has been completed; and
- Periodically whilst the excavation remains open.

The area required to be monitored for landfill gas in the reporting period are shown in **Figure 4.1** to **Figure 4.20**.

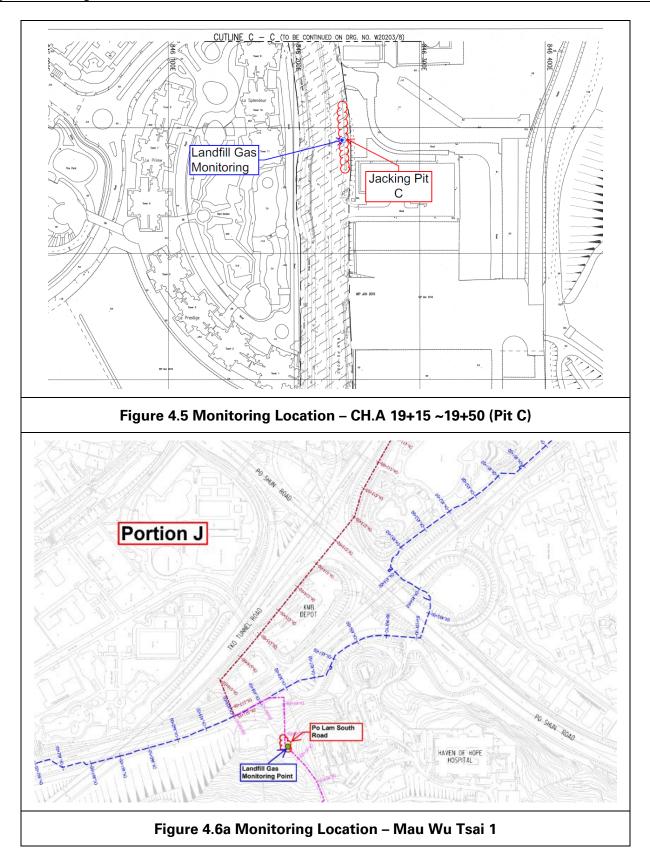




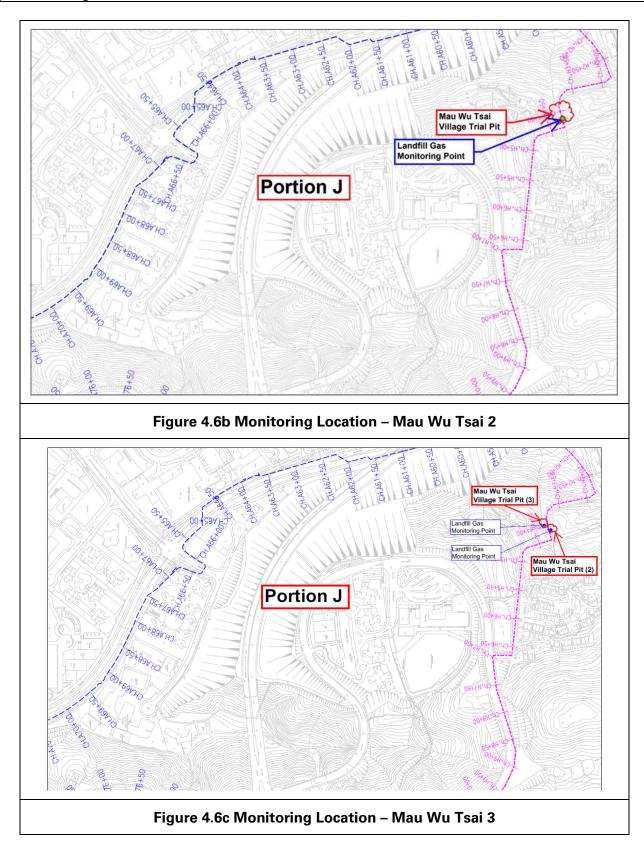














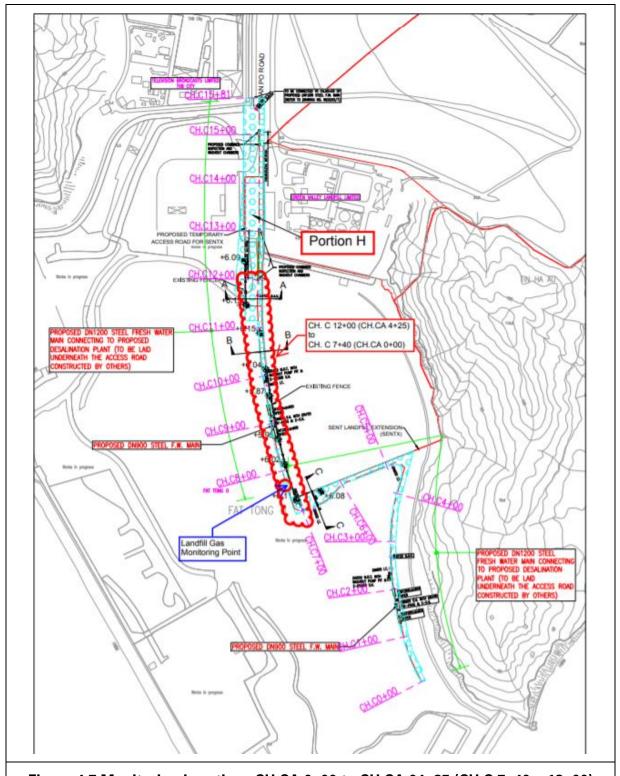
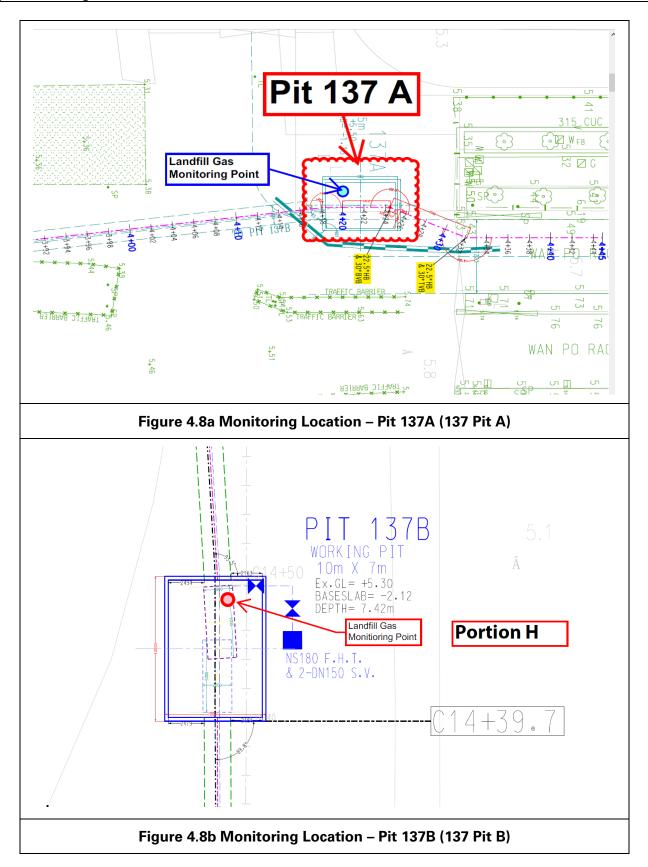
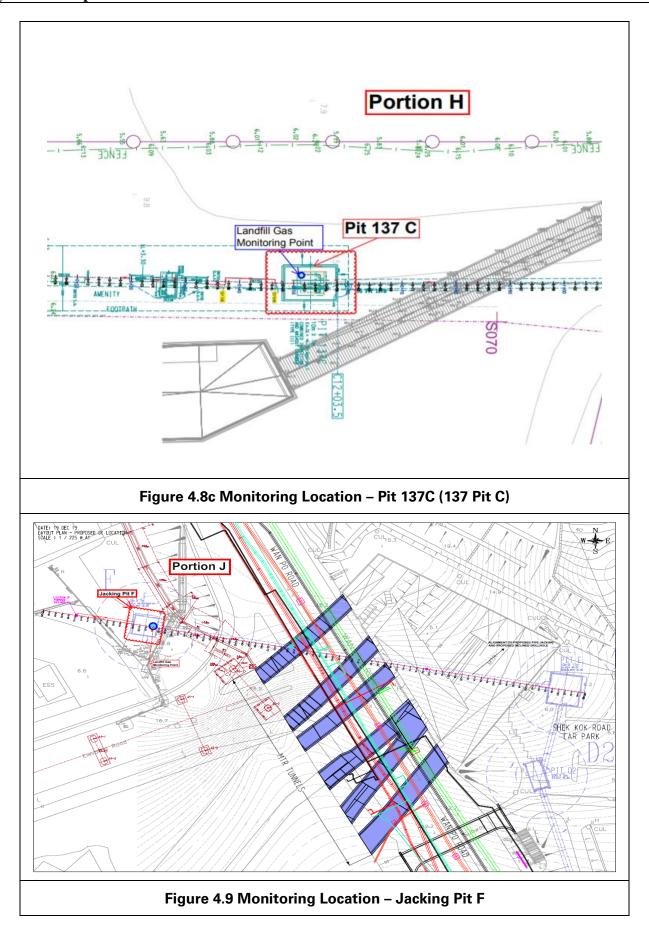


Figure 4.7 Monitoring Location -CH.CA 0+00 to CH.CA 04+25 (CH.C 7+40 ~ 12+00)

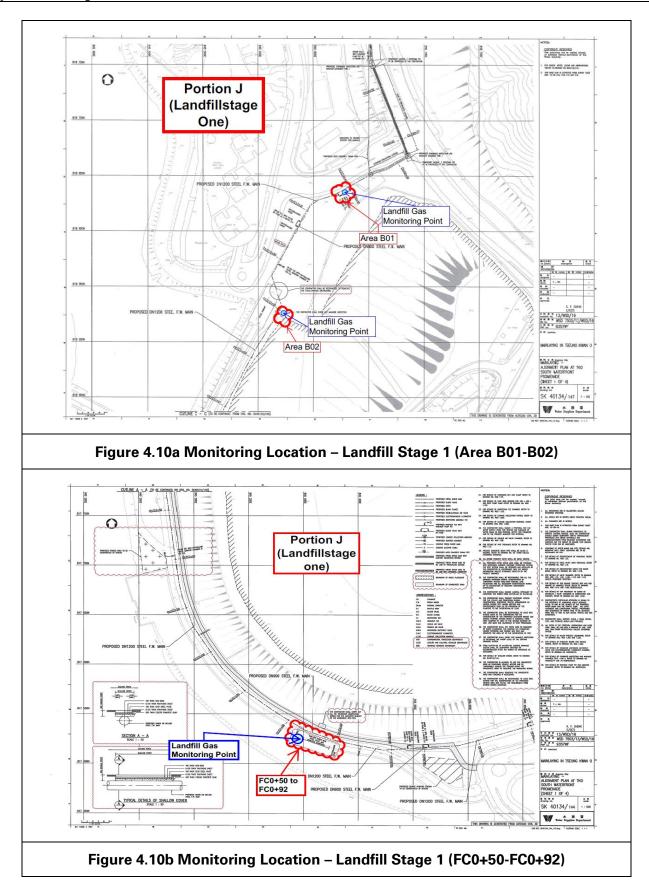




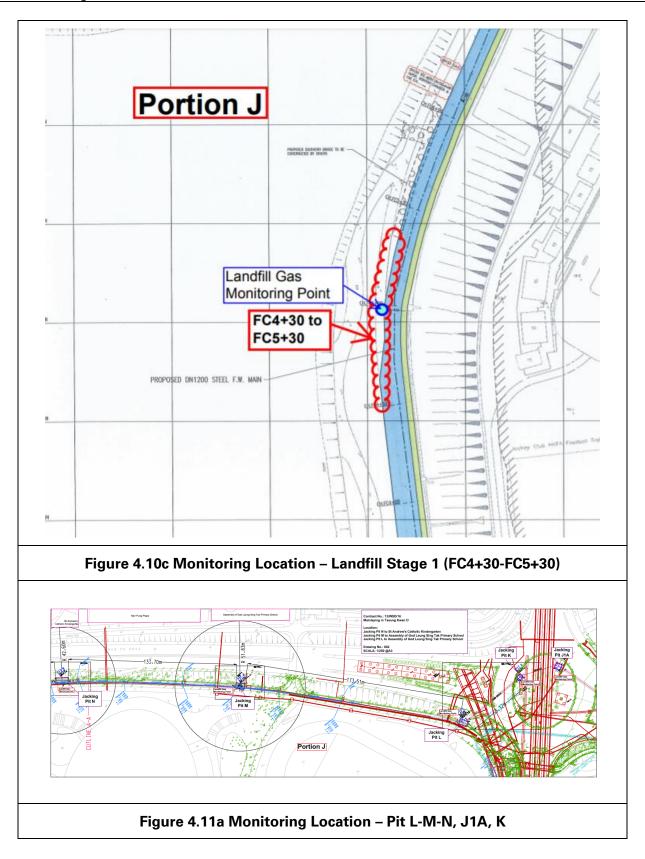




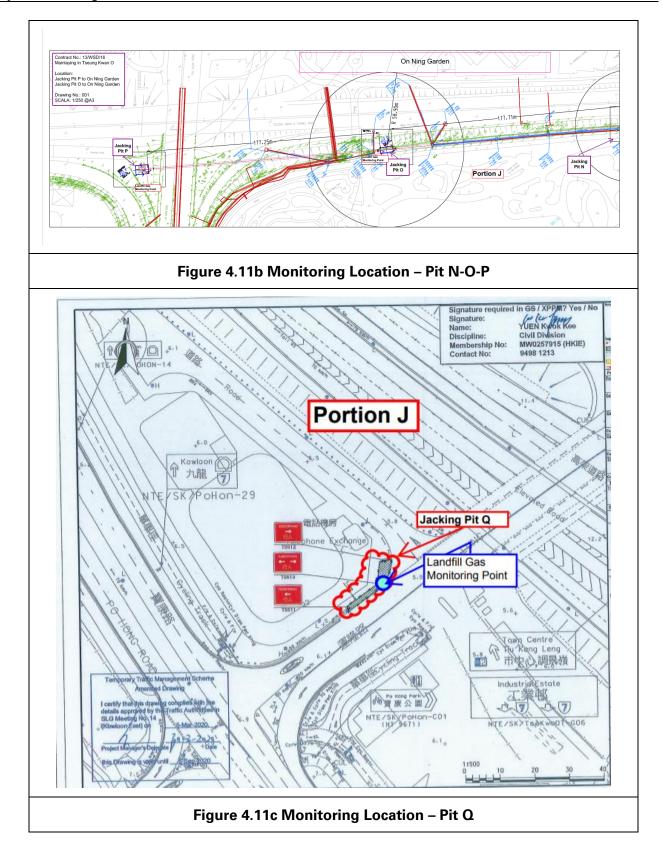




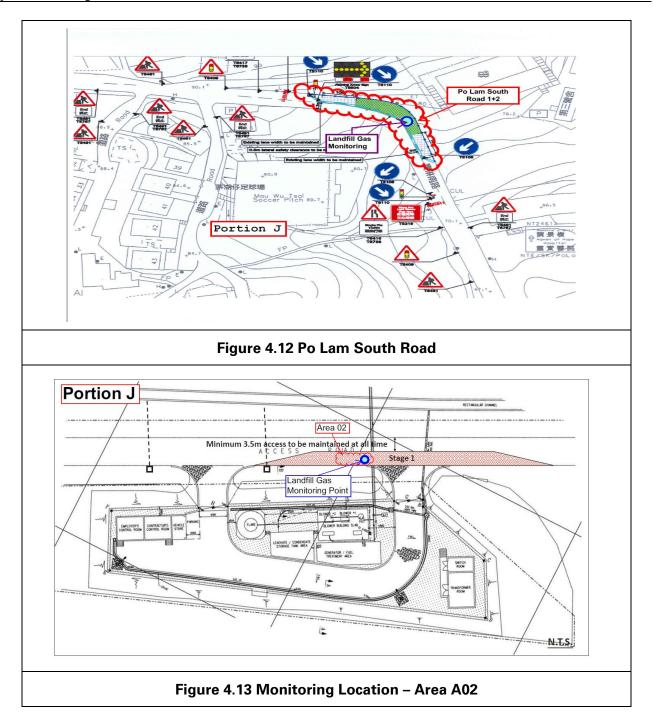




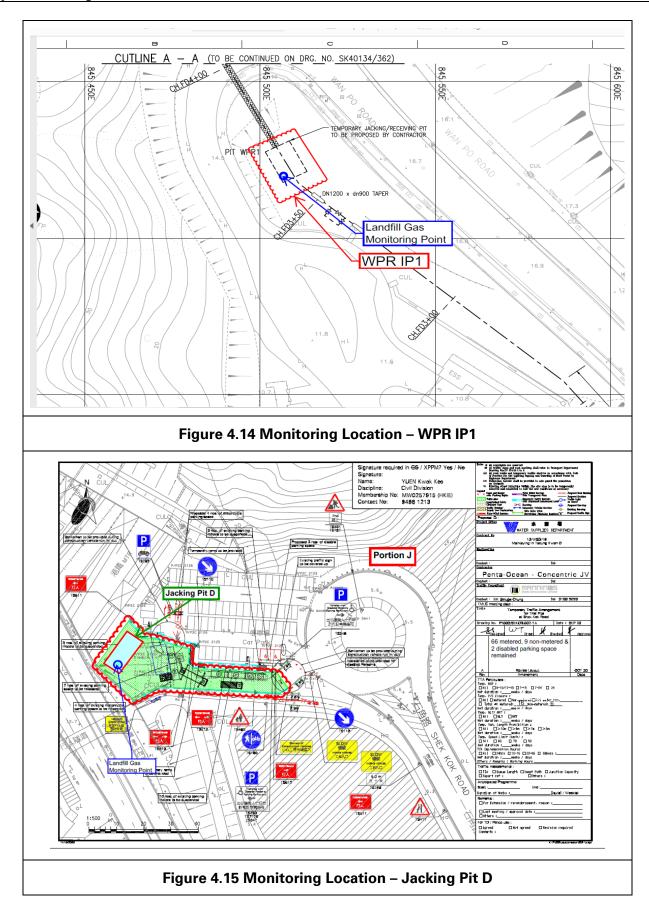




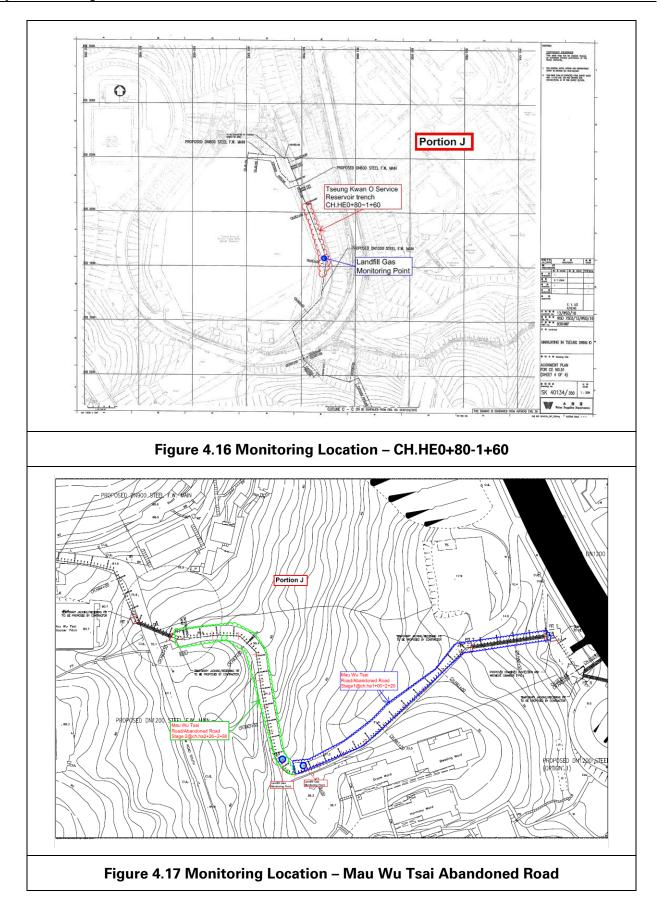




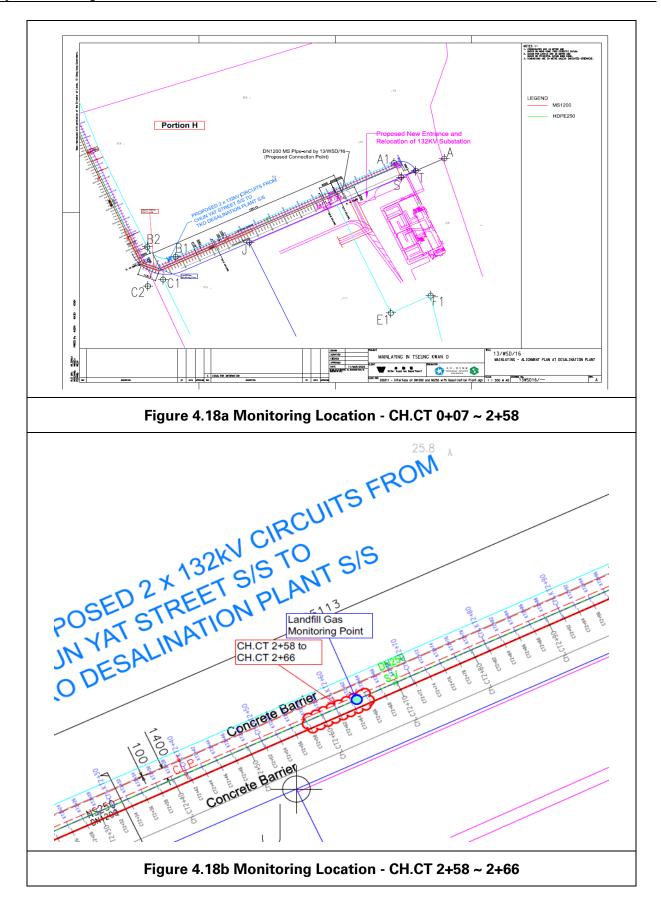




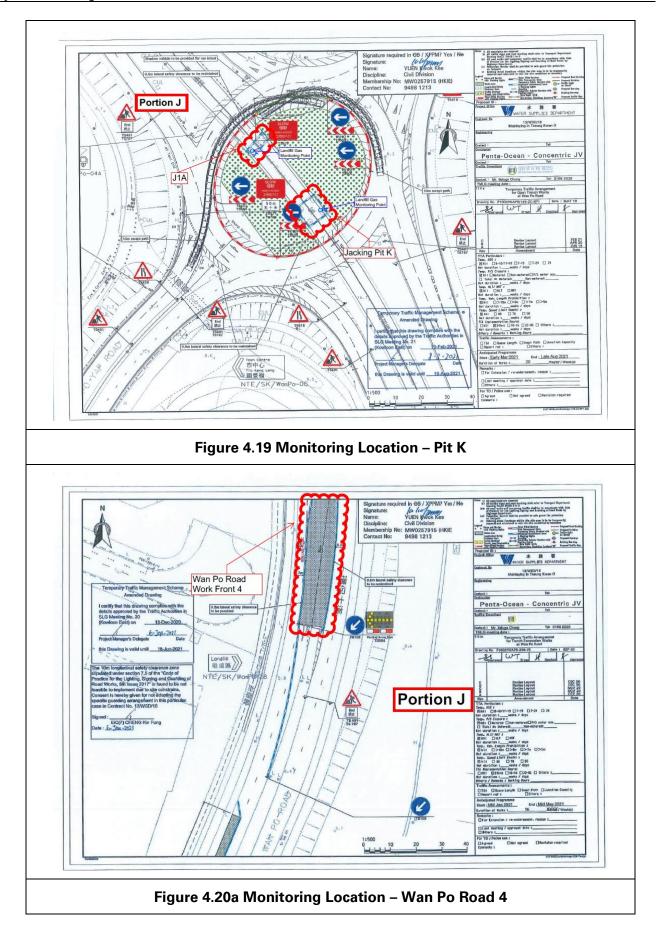




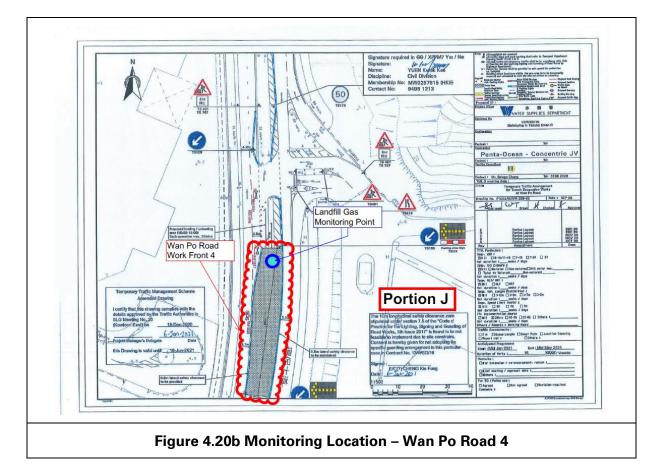












4.3 Monitoring Parameters

LFG monitoring was carried out to identify any migration between the landfill and the Project and to ensure the safety of the construction, operation and maintenance personnel working on-site, visitors and any other person within the Project area.

The following parameters were monitored:

- Methane.
- Oxygen.
- Carbon Dioxide.
- Barometric Pressure.



4.4 Action and Limit Level

Action and Limit Level are provided in Table 4.1.

Table 4.1 Action and Limit Level for Landfill Gas Monitoring Equipment

Parameters	Action Level	Limit Level
Oxygen (O2)	<19% O2	<19% O2
Methane (CH4)	>10% LEL	>80% LEL
Carbon Dioxide (CO2)	>0.5% CO2	>1.5% CO2

4.5 Monitoring Equipment

Landfill Gas monitoring was carried out using intrinsically-safe, portable multigas monitoring instruments. The gas monitoring equipment is:

- Complying with the Landfill Gas Hazard Assessment Guidance Note • as intrinsically safe;
- Capable of continuous barometric pressure and gas pressure • measurements:
- Normally operated in diffusion mode unless required for spot • sampling, when it should be capable of operating by means of an aspirator or pump;
- Having low battery, fault and over range indication incorporated; •
- Capable of storing monitoring data, and shall be capable of being down-loaded directly;

Measure in the following ranges:		
methane	0-100% Lower Explosion Limit (LEL) and 0 100% v/v;	
oxygen	0-25% v/v;	
carbon dioxide	0-100% v/v; and	
barometric pressure	mBar (absolute)	

alarm (both audibly and visually) in the event that the • concentrations of the following are exceeded:

methane	>10% LEL;
oxygen	<19% by volume; and
carbon dioxide	>0.5% by volume
barometric pressure	mBar (absolute)

Monitoring Equipment used in the reporting period are summarised in **Table 4.2.** The Landfill Gas monitoring equipment calibration certificate is presented in Appendix I.



Table 4.2 Landfill Gas Monitoring Equipment

Equipment	Brand and Model	Calibration Expiry Date
Portable Gas Detector	ORAE III	27 July 2021

4.6 Monitoring Results

In the reporting period, construction works within the consultation zones, excavations of 1m depth or more was monitored. Landfill gas monitoring was carried out by the Registered Safety Officer by the Contractor at the excavation locations for 716 times. All the measured results were presented in **Appendix J** and were within the Action and Limit Levels.



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

5.1 The Environmental Complaint Handling Procedure is shown in below **Figure 5.1**:

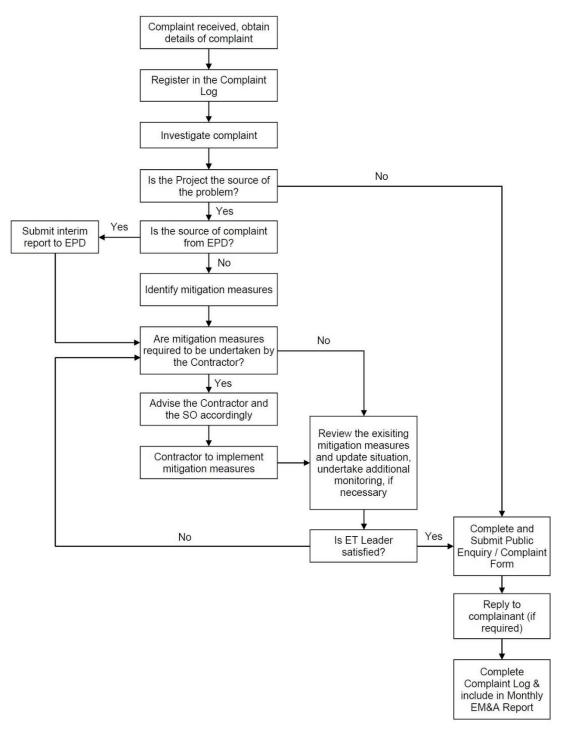


Figure 5.1 Environmental Complaint Handling Procedure



- 5.2 Impact monitoring for noise impact was conducted in the reporting month for NSR4 – Creative Secondary School on 7, 13, 21 and 26 May 2021 as construction works were conducted within 300m to the noise sensitive receiver. Detailed monitoring results can be found in **Appendix G**.
- 5.3 NSR4 was appointed as a Hong Kong Diploma of Secondary Education Examination (HKDSE) examination centre from 03rd to 15th May, 2021 in the reporting period. Examinations were scheduled in the reporting month on 21st and 26th May, 2021. Hence the noise limit level was 65.0 dB(A) on 07th, 21st and 26th May, 2021. The noise limit level was 70 dB(A) for other impact monitoring dates. DSE examination schedule and Academic School Calendar can be found in **Appendix O**.
- 5.4 No project-related exceedance of the Action Level was recorded during the reporting period.
- 5.5 No project-related complaints that will affect compliances to EM&A manual and environmental permit was received in the reporting month.
- 5.6 No notification of summons and prosecution was received in the reporting period.
- 5.7 Statistics on complaints and regulatory compliance are summarized in **Appendix K**.

6. EM&A SITE INSPECTION

6.1 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 7, 14, 20 and 26 May 2021 at the site portions list in **Table 6.1** below.

Date	Inspected Site Portion	Time
07 May 2021	Portion J and H	9:30am – 11:30am
14 May 2021	Portion J	9:30am – 11:30am
20 May 2021	Portion J	9:30am – 12:00pm
26 May 2021	Portion J	9:15am – 12:00pm

Table 6.1 Site Inspection Record

- 6.2 One joint site inspection with IEC was carried out on 26 May 2021.
- 6.3 Minor deficiencies were observed during weekly site inspection. Key observations during the site inspections are summarized in **Table 6.2**.



Date	Environmental Observations	Follow-up Status
07 May 2021	1. Oil leakage was observed at 137 Pit B.	1. Oil leakage was cleaned.
14 May 2021	 Chemicals were not placed on a drip tray at Mau Wu Tsai Abandoned Road. NRMM label was not observed at the NRMM at Pit X. 	
20 May 2021	 Chemicals were not placed on a drip tray at CH.HE1+80~2+00, Section A0 and Po Lam South Road. NRMM label was not observed at the NRMM at Po Lam South Road, Pit X. 	2. The NRMM was out of service and would be
26 May 2021	No major observations were re	eported.

Table 6.2 Site Observations

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



7. FUTURE KEY ISSUES

7.1 Key works that will be anticipated in the next reporting period for the Project are shown in **Table 7.1**.

Table 7.1	. Key works fo	r the next	reporting month
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Location	Location	Forecast Works in Next Reporting Month
Portion H of the Project Site	TKO 137 Pit B	Pipe jacking works by TBM will be continued.
Portion J of the Project Site	Wan Po Rd – Workfront 1	Trench excavation and pipe laying will be conducted.
	Wan Po Rd – Workfront 2	Trench excavation and pipe laying works will be conducted.
	Wan Po Rd – Workfront 3	Trench excavation and pipe laying works will be conducted.
	Wan Po Rd – Workfront 4	Trench excavation and mainlaying works will be conducted.
	Wan Po Rd – Pit A	Excavation and ELS works will be conducted.
	Wan Po Rd – Pit B	Pit excavation works will be continued.
	Landfill Stage 1 – Area A	900HSV Chamber construction works will be conducted.
	Landfill Stage 1 – Area B	 Trench excavation and pipe laying works will be conducted.
	Cycle Track – Workfront 1	Trench excavation and pipe laying works will be conducted.
	Cycle Track – Workfront 2	Trench excavation and pipe laying works will be conducted.
	Velodrome – Pit M	Pipe jacking works will be continued.
	Velodrome – Pit O	Construction of rescue pit for TBM will be conducted.
	Velodrome – Pit P	 Horizontal drilling ground treatment works will be continued.
	Mau Wu Tsai – Workfront 1	 Trench excavation and pipe mainlaying works will be conducted.
	Po Lam Road (D2)	• Trench backfilling and reinstatement works will be conducted.
	Po Lam Road (A0)	• Trench backfilling and reinstatement works will be conducted.
	TKO Primary Service Reservoir	Trench excavation and pipe laying works will be conducted.



- 7.2 The major environmental impacts brought by the above construction works will include:
 - Construction dust and noise generation of saw cutting of concrete surface, mainlaying of pipes, drilling acitivities, TBM break through and excavation works.
 - Waste generation from construction activities
 - Impact on water quality from construction activities
- 7.3 The key environmental mitigation measures for the Project in the coming reporting period associated with the above construction works will include:
 - Dust suppression by regular wetting and water spraying for saw cutting of concrete surface, mainlaying of pipes, drilling activities, TBM break through and excavation works
 - Reduction of noise from equipment and machinery on-site
 - Sorting and storage of general refuse and construction waste
 - Treatment of wastewater with water treatment facilities before discharge
- 7.4 The proactive environmental protection proforma for the next reporting month is listed in **Appendix M**.
- 7.5 Referring to EM&A Manual Section 4.1.2, the impact noise monitoring should be carried out at all the designated monitoring stations when there are project-related construction activities undertaken within a radius of 300m from the monitoring stations.
- 7.6 The tentative impact monitoring schedule for the next reporting month is attached in **Appendix N**.



8. CONCLUSION AND RECOMMENDATIONS

- 8.1 This is the 34th monthly Environmental Monitoring and Audit (EM&A) Report presenting the EM&A works undertaken during the period from 1 May 2021 to 31 May 2021, in accordance with the EM&A Manual and the requirement under EP-503/2015/A.
- 8.2 Impact monitoring for noise impact was conducted in the reporting month for NSR4 – Creative Secondary School on 7, 13, 21 and 26 May 2021 as construction works were conducted within 300m to the noise sensitive receiver. Detailed monitoring results can be found in **Appendix G**.
- 8.3 NSR4 was appointed as a Hong Kong Diploma of Secondary Education Examination (HKDSE) examination centre from 03rd to 15th May, 2021 in the reporting period. Examinations were scheduled in the reporting month on 21st and 26th May, 2021. Hence the noise limit level was 65.0 dB(A) on 07th, 21st and 26th May, 2021. The noise limit level was 70 dB(A) for other impact monitoring dates. DSE examination schedule and Academic School Calendar can be found in **Appendix O**.
- 8.4 No project-related exceedance of the Action Level was recorded during the reporting period.
- 8.5 Weekly environmental site inspection was conducted during the reporting period. Minor deficiencies were observed during site inspection and were rectified. The environmental performance of the project was therefore considered satisfactory.
- 8.6 According to the environmental site inspections performed in the reporting month, the contractor is reminded to pay attention on maintaining site tidiness, water treatment facilities, dust suppression mitigations and proper materials storage.
- 8.7 No project-related complaints that will affect compliances to the EM&A Manual and Environmental Permit was received in the reporting period.
- 8.8 No notification of summons or prosecution was received since the commencement of the Contract.
- 8.9 The ET will keep track on the construction works to confirm compliance of environmental requirements and the proper implementation of all necessary mitigation measures.



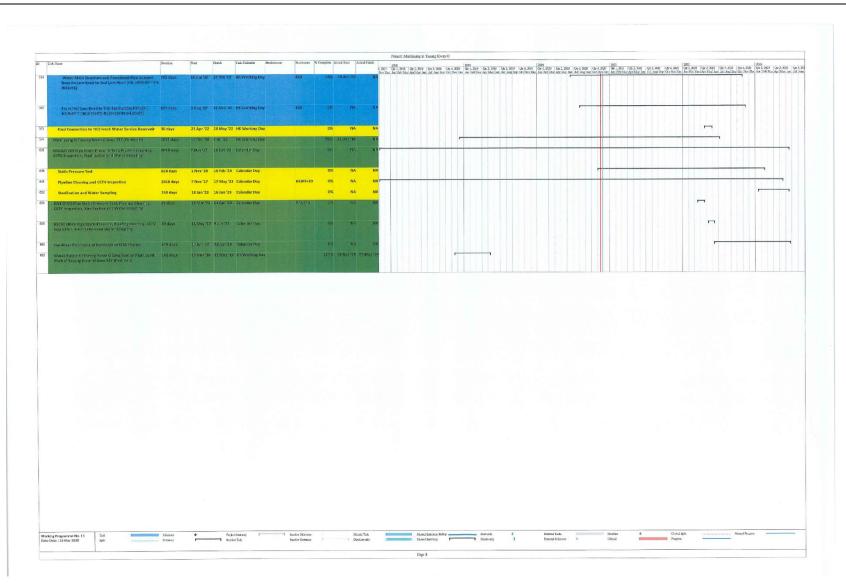
Appendix A

Construction Programme



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8	Issue CE No. 2G - Change in Cathodic Protection System for Mild Steel Pipes	0 days	16 Aug '19	16 Aug '19	Calendar Day		51	100% 16 Au	g'19 16	Aug '19				16/8								
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	Issue CE No. 64 - Tree Survey at Tsui Lam (Location A and Location B)	0 days	9 Jun '20	9 Jun '20	Calendar Day			100% 9 Ju	n '20 9	Jun 20						\$ 9/6						
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14	Issue CE No. 56 - Excavation of Inspection Pits for the Alternative Alignment (Batch No. 3)	0 days	21 Aug '20	21 Aug '20	Calendar Day			100% 21 Au	g'20 21	Aug '20						♦ 21/8						
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National Scale		Alternative Algement (Batch No. 2) Issue CE No. 64 - Tree Survey at Tsui Lam (Location A and		9 Jun '20 9 Jun '20 Calendar Day		100% 9 Jun '20 9 Jun '20						+ 96											
In the Second Process Market of Mar																							
Bit Market Bit Mar		Issue CE No. 62 - Design of Pipe Support in Tsui I am (Locatio Bi	on 0 days	16 Jun '20 16 Jun '20 Calendar Day		100% 16 Jun 20 16 Jun 20						● 100											
Destruction Destruction <thdestruction< th=""> <thdestruction< th=""></thdestruction<></thdestruction<>		Issue CE No. 66 - Excavation of Inspection Pits for the Alternative disement (Batch No. 3)	O days	21 Aug '20 21 Aug '20 Calendar Day		105% 21 Aug '20 21 Aug '20							+ 21 <i>1</i> 5										
Label and Subscience	_	Account Algorith (Mathematica)	Contraction of the local division of the loc	Therein is soft plantering	and the second se	811 7 Nov /17 NO																	
Anoma Management Margament Margament Margament Margament Margament Margament Margament Margament Margament Margament Margament Margament Marga		Precise 14-143	122 days	7 New 17 24 See 18 Calendar Day		101% 7 Nov '17 24 Sep '18																	
biason diabogenerative 4.00 4.0						100% 7 New '17 11 Dec '17																	
Balace of Management Man						100% 7 New '17 21 Dec '17																	
biological				4 Dec '17 17 Dec '17 Calendar Day 275+27 days		100% 4 Dec '17 17 Dec '17 💻																	
Matrix			30 days	7 Nov '17 6 Dec '17 Calendor Day 2																			
1000000000000000000000000000000000000		Submission of First Programme	7 days																				
Appendix Second distribution distributindina distribution distributindi distributindication dis					33																		
Indextranting 1 <							1																
Schwinder Growthenerschlangenger 60, 70, 70 10, 80, 70					35																		
Schwarz				to may be a round to commented a round																			
December (a) 1111 dec 11111 dec 1111 dec 1111 dec					65			-															
International Substructure Markowski Markow		Summission of the providence of the second second				97% 16 Nov 17 NA	-																
Apport Backman Josephine Margine Margina Margine Margine Margine Margine Margine Margine Margine Margin		Submittion and Approval	122 tiny -	16 Nov '17 17 Mar '18 Calendar Day		1000 16/00/17 1/16/01 18	-																
Append of Spectramed conference of Confer	f	Submission of seb-contractor selection procedure	24 days	16 Nov '17 9 Dec '17 Calendar Day 4	41																		
Append of Secondary Conf. 4, 64 19/40 19/40 4, 64			42 days	10 Dec '17 20 Jan '18 Calendar Day 40																			
Selendard Suppling Selection Procedie 96 (9) 10 (9) 2 (9) 10 (9) 2 (9)<		Submission of Sub-contractor Condition	14 days																				
Apprent Soluctor Vacuum 40 9 90 <		support of the entropy of the entropy of the																					
Apprint of Synthey Sock Conversion Construction Table Sock Conversion State Sock Conversion							-																
Conclusion (pushop) Bit Pis Samp Sam	L	Approval of Supplier Selection Procedure	42 days	39 Jun '38 12 Mar '18 Calendar Day 44	01	100% 30 Jan 18 12 Mar 18																	
Concurrency londing to the Workshop Conduction Start Start Start Conductory Start Start Start Conductory Start		Subjective Constitution and Subjective	30.d	23 Nov 17 22 Dec 17 Felender Dec 4		100% 23 Nov 17 22 Dec 17																	
Description 54/3 21/6/3 15/6/3 Conduct 50/6/3 Conduct Solution Solu					228																		
Backwarmsell Term 9 days 16 Apr 13 26 Apr 13 Constrained 9 days 16 Apr 13 24 Apr 14			and and a	Access of the second se																			
Tangsary streefing, howing & power glabaar 75 day 224 br/13 625 br/13 625 22 br/13 1005 12 br/13			and and a		34	100% 16 Apr '18 24 Apr '18																	
Sarreg Services 23 days 25 Segvi Ta 19 00.7% Celender Day 26 Segvi Ta 19 00.7% Celender Day 26 Segvi Ta 19 00.7% Celender Day 20 Segvi Ta 19 00.7%		Temporary site office, hearding & project sign bear	nd 75 days	22 Mer '18 4 Jun '18 Colendar Day 43,41	58F5+13 d	100% 22 Mar '18 4 Jun '18	-	-															
and a well and a more a second a		Consultancy: Independent Checking Engineer			.43																		
lier heursteinen hat bein haustelleinen Koultat in Heinistein Koul		Survey Services	23 days																				



	ate	Deutoe	Stat Hish Tak Calmia Performen	SYNDRY	R Congleter Actual Shart Advan Freish
		82 days	30 May '19 19 Ave '19 Calendar Cay 18	68	Congister Actual Start Advantation 2007 100% 30 May '19 19 Actg '19
		82 days	30 May 19 19 Aug 19 Calendar Cay 18 6 Sep 18 17 Oct 18 Calendar Cay 41,43	68	100% 5 Sep '18 1/ Oct '18
	All scalaneous	1000 days	18 Mar '18 11 Dec '20 Calendar Day 43,41		96% 18 Mar '18 NA
-	Site Establishment	220 days	2 Jan '18 9 Aug '18 Calendar Day		100% 2 Jan '18 9 Avg '18
	Setting up PM's and Contractor Accommodation	90 days	12 May '18 9 Aug '18 Calendar Day 51F5+13 days		1005 12 May '18 9 Aug '18
	Initial Survey of the Site	60 days	2 Jan '18 2 Mar '18 Calendar Day 4		100% 2 Jan '18 2 Mar '18
0	Procurement of Major Material	1104 days	7 Apr 18 14 Apr 21 Celeader Day		5415 7 Apr '18 NA
10	Preparation of Purchase Order	7 days	7 Apr '18 13 Apr '18 Celender Dey 3355+7 days,	45 62	160% 7 Apr '18 13 Apr '18
12		65 days	34 Apr 18 17 Jun 18 Calendar Day 61	63	160% 14 Apr'18 17 An'18
6)	1st Batch of Material Delivery on site	0 days	29 Jun 18 29 Jun 18 Calendar Day 62	64	160% 29 Jun '18 29 Jun '18
14	Material Delivery by Batches	1020 days	30 Jun '18 14 Apr '21 Calendar Day 63		30% 30 Jun 18 NA
15	Preparation of CE01 Purchase Order	7 days	25 Jop '18 1 Oct '18 Calendar Day 37	CG	160% 25 Stp '18 1 Oct '18
16 57		90 days	2 Out '18 30 Dec '18 Celeader Day 65	67	180% 2 Oct '18 30 Dec '18 100% 22 Jan '19 22 Jan '19
	1st Basch of CED1 Material Delivery on site	1 day	22 Jan '19 22 Jan '19 Colendar Day 65		100% 22 Jan 19 22 Jan 19 100% 20 Aug 19 6 May 20
58 22	SCAP Material Submission and Approval	261 days	20 Aug '19 6 May '20 Calendar Day 54	69	100% 20 Aug 19 6 May 20 100% 22 Jan 20 16 Oct 20
	SCAP Purchase Order & Material Othery	115 days	22 Jun '20 14 Oct '20 Calendar Day 63 7 Nev '37 18 Nev '22 HC Working Pay	-	100% 22 Jan 20 14 Oct 20
n	Unity of From Boundary of Feising Reveal O Area 107 to O See 19 Write: Service Reversite (entition)	and any			
.1	Open Cut Excavation, Pipe Laying and Reinstatement at Wan Po Road	1193 days	30 Aug '18 15 Stp '22 HK Working Day	638	52% 30 Aug 18 NA
2	Op 11 Car 6-1 4/9+02 to Cit 4/2+07 (1981)	982.days	10 Stap '18 St Jan '22 His Work as Day		SNG IRSTP 18 NA
3	CH. A0+00 - 0+24 OC	45 days	20 Nov '21 14 Jan '22 HK Working Day 609	and the second second	0% NA NA
4	CI1, A0+14 - 0+50 DC	156 days	23 May '19 26 Nov '29 HK Working Day		100% 23 May '19 26 Nov '19
5	CH, A0+50 - 1+50 DC	42 days	10 Sep '18 31 Oct '18 HK Working Day		100% 10 Sep '18 31 Oct '18
6	CHL A1+50 - 1+60 DC	53 days	1 Nov '18 4 Jan '19 HK Working Day		100% 1 Nev 18 4 Jan 19
1	CHLA1+60 - 2414 OC	107 days	5 Jan '19 20 May '19 HK Working Day		100% 5 Jan '19 20 May '19
15	CH, A2+14 - 2+30 DC	40 days	1 Sep '20 19 Oct '20 HK Working Day		90% 1.5ep 20 NA
79	CH. A2+30 - 2+46 OC	30 days	27 Oct '20 30 Nov '20 HK Working Day		90% 27 Oct '20 NA
80	CH. A2+66 - 2+62 OC	50 days	10 Nov '20 14 Dec '20 HK Working Day	61	5% 10 Nov '20 NA
81	Q1. A2+62 - 2+96 OE	10 days	15 Dac '20 21 Jan '21 HC Working Day 80	82	DIG NA NA
82	OH. A2+98 - 3+62 OC with DN150 DAV	110 days	22 Jan '21 9 Jun '21 HK Working Day 81	8555	DIG NA NA
83	Treadiless Works (FIL1 to Pi12)	ST5.qeAn	22.15/ '11 15.525 '22 HS Worst's Pay		92 <u>8 808 0</u> 10
84	Coastruction of Jacking / Receiving Pits	200 days	22 Jan '21 28 May '21 HK Working Day		675 NA NA
85	CH. A3+62 - Pit 1	50 days	22 Jan '21 24 Mar '21 HK Working Day 8255	88,86	OK NA NA
56	CHL AS+29.5 - Pit 2	50 days	25 Mar 21 28 May 21 HK Working Day 85	\$8	ON NA NA
87	TIVB Pipe facking Pit 1- Fit 2	217 days	29 May 21 18 Feb 22 HK Working Day	99	ON NA NA
81	TBM Establishment	24 days	29 May 21 26 Jun 21 HK Working Day 85,86	89	0% NA NA 0% NA NA
37	international and a state of a st	40 days	28 Jun '21 13 Aug '21 1K Working Day 68	90	0% NA NA
90	Remove Setup including Thrust Wall	6 days	14 Aug '21 20 Aug '21 HK Working Day 89	91	0% NA NA 0% NA NA
91	Sotup Guard Rail	6 days	21 Aug '21 27 Aug '21 HK Working Day 50 28 Aug '21 19 Nov '21 HK Working Day 51	92	0% NA NA 0% NA NA
92 92	Pipe Laying Inside Sleeve Pipe (8m pipe, 3 days pr		28 Aug '21 19 Nov '21 HK Working Day 51 20 Nov '21 23 Nov '21 HK Working Day 52	95	05 NA NA
71	Formwork & Setup for Grouting the Gap between Fipe and Sleave	a cays	autor as cannot at increasing only 32	~	
41	Grouting Works (30m/day)	6 days	24 Nov '21 30 Nov '21 HK Working Day 93	95,96	C% NA NA
18	Construction of Combined Inspection and Washer		1 Dec '21 25 Jan '22 HX Working Day 94	97	05 NA NA
	Chamber Type I at Pit 1				
96	Construction of Combined Impection and Wathor	t 45 days	1 Dec '21 25 Jan '22 FK Working Day 94	97	0% NA NA
	Chamber Type I at Pit 2				
99	Backfill, Remove ELS and Road Reinstatement at	18 days	26 Jan '22 18 Feb '22 HK Working Day 35,36		026 NA NA
	Pit 1 & pit 2				
58	Open Cat 68: 45+29:5 (PD 2) to 06:47+32	1015 days	30,04g 38 S May 22 HK Wolk ag Day		75% 38.6ug/18 NA
58	CHL A5+29.5 - 5+88 OC	60 days	19 Feb '22 5 May '22 HK Working Day 100,87	1.714	8% NA NA
100	CH. A5+88 - 6+12 OC + 0N300 Washout Pump Pit		9 Dec '20 4 May '21 HK Working Day 101	55	0% NA NA
146	CH. A6+12 - 6+20 OC	30 days	4 Nov '20 8 Dec '20 HK Working Day	100,116	10% 4 Nov 20 NA
192	CH. A6+20 - 5+54 OC	191 days	22 Apr '20 8 Dec '20 HK Working Day 103	116	80% 22 Apr 20 NA
183	CH, A6+S4 - 6+70 OC + Handshield	378 days	14 Jan '19 26 Apr '20 HK Working Day	102	100% 14 Jan '19 26 Apr '20
1.64	Issue CE No. 22 - Instruction to Change in Mainlayin Method I: Wan Po Toad between CH.6154 and A610	0 cays	20 Jan '20 Z0 Jan '20 Calendar Day		100% 20 Jan '20 20 Jan '20
	and a second				
18	Issue CE No. 25 - Unforescen Underground Conclutions during Trench Excavation at Wan Po Ree between CH. A6+68 and CH. A6+88	0 days	28 Jun '20 29 Jun '20 Calendar Day		100% 29 Jan '20 29 Jan '23
136	EWN No. 14 (covered by CNE No. 8 & CE No.06)	0 ćays	18 Sep '18 18 Sep '18 Calendar Day		100% 18.5ep '18 18.5ep '18
	Usforeseen Underground Condition During Trench Excavation for Mainlaying at Wan Paritoed Between CBLA6+90 and CHLA7+10				
	CR.PO-DU BRE CR.P/TE				
837	C8. A5+70 - 7+12 OC	111 éays	30 Aug '18 12 Jun '19 HE Working Day		100% 30 Aug '18 12 Jan '19



kNaw		Dustin	Sut Finish Tak Cilcola Podecesos	Spacesonts 12	Donplete Actual Sta	t Actual Finish	N/7 0-1.50	0.7201 0.1		aying in Terong Korm 2010 Qi L 2019 Qi L 3 See An Jibb Mar Apr M		208 -1.389 Or 1.20	B 0e 2.280	31220 Cu4	201 200 Oc 1, 502	012.203	0-3.58 Qr	2152 4, 262 Qr L	2(2) Qs 2, 202;	Qr 1, 202	0:1.202	202) Qu 1.2023 Q	e1.243 Qr3.3	20 Qu (202)	2021 Qu L 2021 Qu 2
- 6	apen 4xtt Crit 47+17 to CH A13+73.5	1181 days	LB Sep'18 15 Sep'22 His Working Day	a constant	49% 19.5%	18 1	No Do Ja H0	Na kerMo ka M	Arg Seg On Boy I	be the Blocker H	a ha 11 Are 80 O			Ad And Sep CAL	Nev Do, Jan Job M	i Act No. he	J.I. Just Sep. (3.)	Nor Dec, Ad. 1	et star Apr Blas I	ha M kog Se	g Oct, Sin Dec	ha the Ne A	n Ho Im 20 A	g sep on hiv be	30 Pet 50 Age 3
	EWN No. 108 - TTA Implementation outside the entrance gate of Green Valley Landfil	O days	25 Feb '20 25 Feb '20 Calendar Day		100% 25 Fd	0.50 S2 Lep.	20						25/2												
	EWN No. 108 - TTA Implementation outside the extrance gate of Green Valley Landfil	O days	9 Agr '20 9 Apr '20 Celenda: Day		100% 9 Ap	r '20 9 Apr '	20						+ 94												
	Supervise and Supervise Transmission	0 days	20 May '20 20 May '20 Celendar Day		100% 20 Ma	y '20 20 May '	20						+ 20/5												
	Augment duction the Entrance Gate of Groun Valley Landfill EWIN No. 173 - Additional Inspection Pit at Wan Po Road Northbound outside the Entrance Gate of		11 Jun '20 11 Jun '20 Calendar Day		100% 11 Ju	120 11 Jun	20																		
	Green Valley Lanfill	4 days	23 Jul '20 27 Jul '20 HK Working Day		100% 23 A	1 20 27 34	20							•											
	Entrance EWN No. 183 - Inspection Pit on Footpath at Was Po Road Northbound outside the Entrance Gite of	0 days	29 Jul '20 29 Jul '20 Calendar Day	115	109% 29.3	il '20 29 Jul '	20							* 29 <i>1</i> 7											
	Green Valley Land III Expected CE No XX - Change to Treachless Method near the entrance of Green Valley Land II	0 days	30 Nov '20 30 Nov '20 Calciviar Day 114		0%	NA	NA								* 30/11										
	CH. A7+12 - 7+54 CC with DN600 IT & DN500 Velve Chamber	50 days	9 Dtc '20 30 Mar '21 HK Working Day 102,101	118,117,1	0%	NA	NA									6									
					0%	NA	NA																		
	Cil, A7+64 - E+2E Trenchless (Handshield)	105 days	31 Mar '21 9 Aug '21 HK Working Day 116 31 Mar '21 21 Jun '21 HK Working Day 116	119	0%		NA																		
	CH. A8+28 - 8+60 CC with DN150 DAV	64 days		119	0%		NA NA																		
	CH, A8+62 - 9+24 OC	64 days	22 Jun '21 4 Sep '21 HK Working Day 118	120												1 1									
	CHLA9+24 - 9+88 OC	64 days	6 Sep '21 22 Nov '21 HK Working Day 119		076		NA																		
	CHL A9+88 - 10+52 OC with DN600 IT	95 days	31 Mar '21 28 Jul '21 HK Working Day 116	122	0%		NA																		
	CH. A10+52 - 11+16 OC	64 days	29 Jul 21 13 Oct 21 HK Working Day 121		0%		NA										TT								
	CH. A11+16 - 11+80 OC with DN300 Washout Pemp Fit 1 & DN150 DAV		38 Nov '20 15 Mar '21 HK Working Day 124		0%		NA																		
	CH. A11+80 - 12+12 OC with DN600 IT	64 days	1 Sep '20 17 Nov '20 18. Working Day 125	123	20% 1.50		NA			1 10 10 10	the second second		1												
	CH. A12+12 - 12+50 CC with DN900 Valve Chember Issue CE No. 19 - Change in Design of Gate Valve Chember at Wan Po Road near CH. A12+40		23 Feb '19 31 Aug '20 HK Working Day 22 Aug '19 22 Aug '19 Celendar Day	324		b'19 31 Aug g'19 22 Aug					+ 23/8														
	EWN No.23 (Covered by CNE No.36 & CE No. 18) - Unforeseen Ground Conditions at Open Trench of Manlaying at Wan Po Kold Detween CH A12+89 an CH A13+04	0 days 1	# Dec '38 4 Dec '18 Calendar Day		100% 4 De	c'18 4 Dec	98		·	4/12															
	CH. A12+50 - 12+95 OC	125 days	19 Sep '18 21 Feb '19 HK Working Day		100% 19.5	o '18 21 Feb	19																		
	CH. A12+95 - 13+13 OC	B4 days	9 Nov 18 21 Feb 19 HK Working Day	130		w'18 21 Feb	22 A 1		_																
	CH. AL3+13 - 13+40 DC + DN150 DAV	60 days	7 Jul '22 15 Sep '22 HK Working Day 181,129		0%		NA													-					
	CH. A13+40 - 13+60 OC & Campetion from Open Co Trench to Jacking Pit A		20 Jun '22 6 Jul '22 HK Working Day 151	130	0%		NA													-					
Tr	enchless Work at Wars Po Read From Fit A to Fit F	1003 days	7 Nov 17 21 Sep 22 HS Working Day	639	24% 7 No		NA 1													_	1				
	Expected CE No. 52 - Relocation of Working pits for Trenchless Works in Wan Po Road (Pit A to Pit C)	0 days	30 Nov '20 30 Nov '20 Calendar Day		0%	NA	NA								* 30/11										
	Construction of Jacking / Receiving Pits	645 days	12 Aug '19 6 Feb '21 HK Working Day	the second second	32% 12 A	et' 8	NA																		
	Removal of Existing Planter for Jacking Plt A	6 days	15 Jun '20 20 Jun '20 HK Working Day	137	100% 15 J	m '20 20 Jun	20																		
	Jacking Fit A	130 days	17 Jul '20 31 Dec '20 HK Working Day 136		14% 17.	ul '20	NA							-											
	issue CE No. 32 - Additional Ground Treatment Works in Pit B in Wan Po Road near Wan O Road	0 days	31 Aug '20 31 Aug '20 Calendar Day		100% 31 A	ng '20 31 Aug	20							+ 31/K											
	Jacking / Receiving ht B with additional ground grouting works	445 days	12 Aug '19 € Feb '21 HK Working Day	154	21% 12 A		NA																		
	Receiving Fit C	298 days	29 Nov '19 30 Nov '20 HK Working Day		54% 29 N		NA						1111				2010								
	TBM Pipe Jacking (Pit A to Pit B)	293 days	15 Jul 21 11 Jul 22 HK Working Day		0%		NA													-					
	Establishment at Pit A	24 days	15 Jul '21 11 Ang '21 HK Working Day 156	143,150	0%		NA																		
	Jacking DN1660 Precast Concrete Sizere Fipe (Pi - Pit 5) (L=240m; 4.5er/day)		12 Aug '21 16 Oct '21 HK Weeking Day 142,156	141,145	6%		NA																		
	Remove setup including thrust wall at Pit A	6 days	18 Oct '21 23 Oct '21 HK Working Day 143		0%		NA																		
	Secup for Pipe Laying inside Jacking Pit B	5 days	18 Oct '21 23 Oct '21 HK Working Day 143	145	OK		NA																		
	DN1200 MS Pipe Laying incide Jacking pipe (240r (2 days per 4es)(Only internat Coating)		25 Oct '21 19 Mar '22 FK Working Day 145	147	0%		NA																		
	Formwork & Setup for Growting the gap between pipe and Sleeve		21 Mar '22 23 Mar '22 HK Working Day 346	148	0%		NA																		
	Growing Works (30 metor/day) Pipe Laying brends and thrust block construction (mile Jacking Pit A	R cisys 30 days	24 Mar 22 1 Apr 22 HK Working Day 147 2 Apr 22 13 May 22 HK Working Day 148	162,149 151	0% 0%		NA NA												-						
	Espected CE No. XX - Special Type of Chamber fo interface between Trencless Works and Open Co Work mean Jacking Pit A	r Odeys	11 Aug '21 11 Aug '21 Calendar Day 142	151	0%	NA	на										• 11/8								
	work near Jacking Pit A																								
ine Proe	rement No. 11 Tas. Nov 2020 Sylt	Minstor	Pointfamay Pointfamay 1 1 Instructor	Incore Kilorene Incore Senseo		Manual Tail.	-	MandSunny	Rife	Retort	E	Econd Tab.		Dealine			intual Spila		Realb	iyos —					



			Stat Finish	Taik Globia Pedecoota	Skuppers %C				2 Maldaying in Timerg Kion O	10080
TaltName		Dantim 1	Stat Pixish	Tell Gictor Protocoste	Second Second	espece victoria	solt some	-300	201 (Lass (2112) (0.120) (0.1	Dec La Tel P
	Construction of Thrust Block between Trenchiess 3 Works and Open Cut Work near Jacking Pit A	ave 06	14 May '22 18 Jun '22	HK Working Day 149,150	152,131	0%	NA	NA		
a	Remove ELS and Reinstatement of Road works and 3 planter	18 days	20 Jan '22 11 Jul '22	HK Working Day 151		0%	NA	NA		
0	TOM Pape Jacking (Pit B to Pit C) 4	422 days	8 Feb '21 16 Jul '22	HK Working Day		ON	neo.	NA		
ы	Establishment at Pit B 2		8 Feb '21 10 Mer '21		195,161	0%	NA	NA		
15	Jacking DN1680 Precast Concrete Sieeve Pipe From 5 Pit B to Pit C (L+326m; 3.5m/day)		11 Mar '21 7 Jul '21		156	0%	NA NA	NA NA		
17			15 Jul 21 21 Jul 21		158	0%	NA	NA		
18	Setup for Pipe Laying Inside Jocking Pill 8 DN1200 MS Pice Laying inside Jacking pipe (326m) 2		22 Jul 21 22 Mar 22		159	0%	NA	NA		
	(2 days per 4m)(Only Internal Coating)	200 0015		in noning out the						
99	Formwork & Setup for Grouting the pap between - 1 pipe and Steeve	3 days	23 Mar '22 25 Mar '22	HE Working Day 158	160	0%	NA	NA		
60	Grouting Works (30 meter/day)	11 days	26 Mer '22 8 Apr '22	HK Working Day 159	162,191	0%	NA	NA		
ti.	Expected CE No. XX - Special Type of Chamber for interface between Trendless Works and Open Cut Work near Jacking/Recrising FR 8		30 Mar '23 - 30 Mar '23		162	05	164	NA	+ 105	
62	Construction of Special Chamber at Jacking 7 4 Receiving Fit B	60 daya	9 Apr 22 24 Jun 22	HX Working Day 148,160,151,18	5 163	0%	NA.	NA		
63	Remove ELS including extracting sheat piles at Pit 8 : 8. Reinstatement of Road works and planter	18 days	25 xm*22 16 Jul 22	HK Working Day 162		0%	NA	NA		
61 0	siming Way Pa Road and Lower Fark Road	1989.days	7/Npv/17: 21.5ep/22	Calcular Ray		75 74	10y/17	Sec.	+ 2/8	
65	Issue CE No. 24 - Ground Investigation for Working Fit E, F and Trenchless Works across MT Tunnel	0 days	27 Sep '19 27 Sep '19	Calendar Day	166	160% 27	Sap '19 27	Stb.18	·	
16		71 days	27 Sep '19 6 Dec '19	Calendar Day 165		160% 27	51p'19 6	Dec '39		
67			27 Sep '19 6 Dec '19 17 Feb '20 24 Feb '20		168		Feb 20 24			
67			17 Feb '20 24 Feb '20 25 Feb '30 2 Apr'20				Feb 78 7			
65			31 Dec '20 31 Dec '20			0%	NA	NA	+ 31/12	
70	construction method about MTR's turnels TTA submission and Approval, Suspension of Parking		12 Aug 20 3 Dec 20		172,171	27% 12		NA		
	Meters and TTA Implement for Jacking Pit D									
m	frontal of Vinduct Utilities Trough		4 Dec '20 11 Jan '21 4 Dec '20 11 Jan '21		175	0%	NA	NA		
172			4 Dec '20 11 Jan '21 12 Jan '21 18 Feb '21		175,175	0%	NA	NA		
10 DH			121an 21 16760 21 19760 21 21 Aug 21		182	016	NA	NA		
75	Acting in Call Carlos of Water Main Structure and Modification Warks to the Affected Geotechnical Features in Wan Po Road and Lohas Park Itoad		210et'20 210et'20		176		Oct 20 21	. Oct 20	• - Ann	
136	Submission for CE77	60 days	21 Oct '20 19 Dec '20	Colendar Day 175	177	0%	NA	NO		
177			20 Dec '20 18 Jan '21		179	096	NA	NA		
175	TPRP Appoyal for Tree at Slope Feature		18 Jan '21 18 Jan '21		195	0%	NA	NA	+ 385	
124	125W-A/FR102 Expected CE No. XX - Relocation of Working pits for Trendhless Works in Was Po Road Juction with Lohus			Calendar Day 172,171,177	180	0%	NA	NA	• 301	
180	Park Road	60 days	19 Jap 21 19 Mar 21	1 Calendar Day 179	196,210,2	0%	144	NA		
10		321 days	23 Aug '21 21 Sep '22			0%	MA	NA		
162		24 days		HK Working Day 174	183,189,1	0%	NA	NA		
123	DNL6UU Precast Concrete Sizeve Pipe (Pit D - Pit C) (Dit A19+26 to CH.A22+80) in Sell (354m; 3.5m/det)		20 Stp '21 22 Jen '22	HK Working Day 182	184	en.	NA	14		
184	Remove setup including Thrust Wall at Pit D	6 days		HK Working Day 183	185	6%	NA	NA		
115			31 Jan '22 9 Feb '22		185	0%	NA	NA		
16	DN1200 M5 Pipe Laying inside Jacking pipe (354m) (say 2 days per 8m)(only Internal Coating)	50 days	10 Feb '22 1 Jun '22	EK Working Day 185	187	0%	NA	NA		
107	Formwork & Satup for Grouting the gap between pipe and Steare	3 days	2 Jun '22 6 Jun '22	HK Working Day 186	188	0%	NA	NA		
	Grouting Works (30 meter/day)	12 days	7 Jun '22 20 Jun '22	HK Working Day 187	191,192	0%	NA	NA		
188	Issue CE No. XX - Special Type of Chamber for interface between Trencless Works and Open Cut Work near Receiving Pit C	0 days	18 Sep '21 18 Sep '21	1 Calendar Day 182	162,191	0%	NA	NA	• 189	

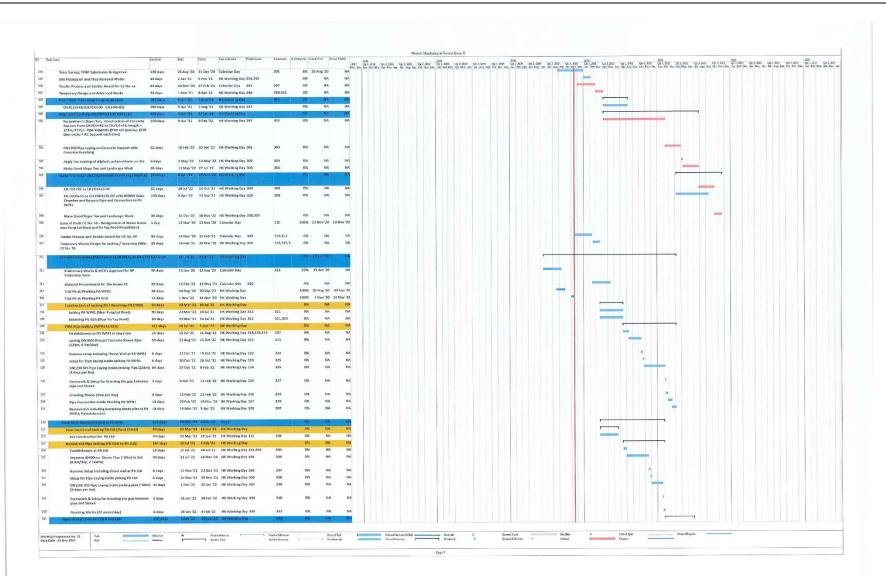


Tuk Sane	1	Duration	Stat Firih	Tak Glenter Protection	Societions 50 C	lengine Annui i	kat Actual	Fittada 20 No
	Issue CE No. XX - Special Type of Chamber for Interface between Trencless Works and Open Cut	0 days	18 Sep '21 18 Sep '21	Calendar Day 182	162,192	0%	NA	NA
	Work near Receiving Pit D Construction of Special Chamber Inside Receiving	60 days	21 Jun '22 30 Aug '22	18K Working Day 188,185,160	193	0%	NA	NA
	Pric C Construction of Special Chamber inside Receiving Pri D	60 days	21 Jun '22 30 Avg '22	ISK Working Day 188,190		0%	NA	NA
	Pit D Remove ELS including extracting sheet piles at Pit C & Reinstatoment of Road works and planter	18 days	31 Aug '22 21 Sep '22	HK Working Day 191		0%	NA	NA
	Handshield Crossing Wan Politeed (Cit, FA0+15 to Cit, FA0+50)	216 days	18 Jan '21 5 Jan '22	HK Working Day		0%	NA	NA
	Trise Failing and Trice Works at Slope Feature 125W-A7F8102	30 days	18 Jan '21 24 Feb '21	HK Working Day 178		674	NA	NA
	Strongthan Works at Feature 125W-A/R37 & R28	45 days	20 Mar '21 17 May '71		197	0%	NA	NA
		14 days	18 May '21 3 Jun '21		198 199	0%	NA	NA
	Mild Steel Sleeve Pipe in Soil Mix (35m; 0.4m/day)	go gaña	4 Jun '21 13 Sep '21	HK WORLING DAY 197	133	0%	NA.	144
		6 days	14 Sep '21 20 Sep '21		200	0%	NA	NA
		6 days	21 Sep '21 28 Sep '21		201	0%	NA	NA
	DN900 MS Pipe Laying inside Jacking pipe (35m) (sey 3 deys per 8m)	15 days	29 Sep '21 18 Oct '21		202	0%	NA	NA
	Fermwork & Setup for Grouting the gap between pipe and Sleeve	3 days	19 Oct '21 21 Oct '21	HK Working Day 201	203	0%	NA	NA
		2 days	22 Oct '21 23 Oct '21		204	0%	NA	NA
		60 days	25 Oct '21 5 Jan '22		206	0%	NA	NA
	Vertical Pipes, Exposed Pipes & Burned Pipes above MTR Turnels (CH.FAD+SO to CH.FAD+E5)	Turky	7 Nov'17 7 Nov'17	None		0%	NA	ne l
	Vertical pipes with Concrete Surround	30 days	6 Jan '22 12 Feb '22	HK Working Day 204	267	0%	NA	NA
		30 days	34 Feb '22 19 Mar '23		2018	0%	NA	NA
		30 days		HX Working Day 222,207		0%	NA	NA
	Hand Shield Pipe Jacking crossing Lohas Park Road		20 Mar '21 30 Mar '22		A CONTRACTOR OF	0%	NA	NA NA
		72 days 72 days	20 Mar 21 19 Jun 21 20 Mar 21 19 Jun 21		213	0%	NA	NA
		72 days	20 Mar 21 19 Jun 21 20 Mar 21 19 Jun 21			0%	NA	NA
	Establishment at Pit F	14 days	21 Jun '21 7 Jul '21		214	0%	NA	NA
	Mild Steel Sleeve Pipe (Pit F - Pit E) in Soll Mix (40m; 0.4m/day)	100 days	8 Jul '21 4 Nov '21	HK Working Day 213	215	0%	NA	NA
	Mild Steel Sleeve Pipe (Pit F - Pit G) in Soll Mix (20m; 0.4m/day)	50 days	5 Nov '21 5 Jan '22	HK Working Day 214	216	0%	NA	NA
	Remove setup including Thrust Wall at Pit F	6 days	6 Jan '22 12 Jan '22		217	005	NA	NA
	Setup for Pipe Laying Inside Jacking Pit F	G days	13 Jan '22 19 Jan '22		218	0%	NA.	NA
	DNBCO M.S. Pipe Laying from Pit F to Pit E (40m) (say 3 days per 4m)	30 days	20 Jan '22 26 Feb '22	HK Working Day 217	219	0%	NA	NA
	Modify Setup for Pipe Laying inside jacking Pit F		28 Feb '22 5 Mar '22		220	0%	NA	NA
	DN300 MS Fipe Laying from Pit F to Fit G (20m) (say 3 days per 4m)		7 Mar '22 28 Mar '22		221	ans	NA	NA
	Formwork & Setup for Grouting the gap between pipe and Sleeve	3 days	24 Mar '22 26 Mar '22	E HK Working Day 220	222	ON	NA	NA
		ā days	28 Mar '22 30 Mar '22		208,224	0%	NA	NA
	Ventical Pipes, Exposed Pipes & Burned Pipes above MTR Tunnels (CH.FA1+50 to CH.FA2+17)	335 days	20 Mir 21 11 May 21	2 None		0%	NA	NA
	Vertical pipes with Concrete Surround	30 days	31 Mer '22 11 Mey '23			0%	NA	NA
		60 days	5 Jan '21 16 Aug '21			0%	NA	NA
	Open out pipe laying with concrete surround (CH.FA1+64 to CH.FA2+17)	60 days	20 Mar '21 4 Jun '21	HK Working Day 180	225	0%	NA	NA
	httseellamous	591 days	25.144 '39 30.549 '39	Galendar Pay		80% 25	an 18	NO
		462 days	20 Feb '18 10 Sep '19				Feb '18 16	
	Liaison with MTIEC for works inside MTR Railway Protection Zone		25 Jan '18 20 Nov '18			50% 25		NA
т	pen Cut Excernation, Pipe Leying and Reinstatement at IKO Landfill Stage 1 and TKO South Waterfront romenade	1283 days	7 Nov '17 8 Mar '22	HK Working Day	610	5456 7	Nov '17	NA
	Issue CE No. 36 - Realignment of Watermale along the	0 days	22 May 20 22 May 2	0 Calendar Day		300% 22	May'20 22	May '20
	Bituminous Road adjacent to Lohas Park Road							
1	Issue CE No. 34 - Reelignment of Watermain along TKO Stage Llowiffill	0 days	5 Nov'19 5 Nov'19				Nov'19 5	
	Open Cut from CHLFBS+34 to Pit F)	45 days	7 Nov '17 30 Dec '13	7 HK Working Day		6%	NA	Naf.



Circle 30:50 (2014) Circle		0.000000	Stat Finish Tail Cilendar Prolecosom		.202	101 101 101 101 101 101 101 101
01, 199-38, 0-1990 03, 199-39, 1-92 (C 04, 199-39, 1-92 (C 04, 199-39, 1-92 (C 04, 199-39, 1-92 (C 04, 199-39, 1-94 (C 04, 199, 1-94 (C 14, 199-39, 1-94 (C 14, 199-39, 1	00 - 0+38 OC with 0/1900 Valve Chamber		15 May /20 23 Max /21 HKWooking 0ay 14 Dec '20 17 Mar '21 HK Working Day 236	639	75% 15 May '20 MA 0% NA NA	
O (1997)					0% 9 Nov '20 NA	
C (1991-02 - 1-91 CC C (1991-02 - 1-91 CC		30 days 30 days	9 Nov'20 12 Dec'20 HK Working Day 19 Oct 20 23 Nov'20 HK Working Day	235	0% 9 Nov 20 NA 90% 19 Oct 20 NA	- I
C (1971) 34 - 148 CC C (1972) 54 - 25 CC C (1972) 55 - 25 CC C (1972)		30 Gays	12 Oct '20 16 Nov '20 HK Working Day		90% 12 Oct '20 NA	
G. (1990) - 2-94 GC G. (1990) - 194 GC G. (1990) - 194 GC G. (1990) - 194 GC G. (1991) - 194 GC G. (1994) - 194 GC G. (1994) - 493 GC G. (1994) - 193 GC G. (1994) -		30 days	5 Sep '20 12 Oct '20 HK Working Day		95% 5 Sep '20 NA	
0,142048-329000 0,142048-329000 0,142049-329100 0,142049-329100 0,142049-329100 0,142049-329100 0,142049-329100 0,142049-42900 <td></td> <td>128 days</td> <td>15 May '20 15 Oct '20 HK Working Day</td> <td></td> <td>100% 15 May '20 15 Oct '20</td> <td></td>		128 days	15 May '20 15 Oct '20 HK Working Day		100% 15 May '20 15 Oct '20	
C. (1997-0) - 148 (C C. (1997-0) - 148 (C C) (1997-	06 - 2+38 OC	104 days	12 Jun '20 15 Oct '20 HK Working Day		300% 32 Jun '20 15 Oct '20	
0.11790-2-3-3400 0.11791-4-3-3400 0.11791-4-3-4900 0.11791-4-3-4900 0.11791-4-3-4900 0.11791-4-3-4900 0.11791-4-3-4900 0.11791-4-3-4900 0.11791-4-3-4900 0.11791-4-3-4900 0.11791-4-3-4900 0.11791-3-3-5910 0.11791-3-3-4910 0.11791-3-4910 0.11791-3-4910 0.11791-3-4910 0.11791-3-4910<		83 days	9 Jul '20 15 Oct '20 HK Working Day		100% 9 Jul '20 15 Oct '20	
0.1189343-1-848 0C 0.1189345-1-848 0C 0.1189345-4-898 0C 0.1189345-4-898 0C 0.1189345-4-888 0C 0.1189345-3-888 0C 0.118945-3-888 0C		30 days 30 days	27 Jul 20 29 Aug 23 HK Working Day		95% 27 Jul '20 NA 95% 3 Aug '20 NA	
0.110146-1-349.00 0.110146-1-349.00 0.110146-1-349.00 0.110146-1-349.00 0.110146-1-349.00 0.110146-1-349.00 0.110147-1-349.00 0.1101147-1-349.00		30 days	3 Aug '20 5 Sep '20 HK Working Day 13 Aug '20 16 Sep '20 HK Working Day		95% 13 Aug 20 NA	
0. (117)-01-4-00 0C 0. (117)-01-4-00 0C 0. (118)-01-4-00 0C 0. (118)-01-5-593 0C 0. (116)-01-5-050 0C 0. (116)-01-50 0C 0		30 days	24 Aug '20 26 Sep '20 HK Working Day		95% 24 Aug 20 NA	
0.118443-4-488-00 0.118443-4-488-00 0.118573-539 CC with 001020 TA DUDR Withware 0.018573-539 CC with 001020 TA DUDR Withware 0.018573-539 CC with 001020 TA DUDR Withware 0.018503-045 DC 0.018503-045 DC 0.018573-539 CC 0.018573-045 DC 0.018503-045 DC 0.018573-045 DC 0.0185743-045 DC		58 days	LO Sep '20 15 Nov '20 HK Working Day		100% 10 Sep '20 13 Nov 20	
C. (17444-5-13) CC (17553-53) CC who holds if a DUB Washer D10 (17553-53) CC who holds if a DUB Washer D10 (17553-13) CC who holds if a DUB (17555-13) CC who holds if a DUB (17555-13) CC who holds if a CC (17555-13) CC wholds if a CC (17555-13) CC who hol	30 - 4+62 OC	4G days	18 Sep '20 13 Nov '20 HK Working Day		100% 38 Sep '20 13 Nov 20	
01.165.38 5-34 C 4400 H030 F 4 D130 100 01.455.30 01.455.30 100 01.455.30 01.455.30 100 01.455.30 01.455.30 101 01.455.30 01.455.30 101 01.455.30 01.455.30 101 01.455.30 01.455.30 101 01.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455.30 101 10.455.30 01.455		28 days	12 Oct '20 13 Nov '20 HK Working Day		100% 12 Oct '20 13 Nov '20	
Websel Websel 101 Market All Short ALL & Left (Child) 102 Market All Short ALL & Left (Child) 103 Market All Short ALL & Left (Child) 104 Market All Short All Short All Short All All All All All All All All All Al		30 days	14 Nov '20 18 Dec '20 HK Working Day	251	30% 14 Nov'20 NA	
0x1cC000-04330C 0x1cC000-04330C 0x1cC000-04930C 0x1cC000-049300C 0x1cC000-04930C	18 - 5+34 OC with DNS00 IT & DN300	75 days	19 Dec '20 23 Mar '21 HK Working Day 250	253	076 114 104	
Control (Construction) Contrection) Control (Construction) Control (Construction)		875 C12-days	26-10.3 '20 19 Mg 21 His Working Pay	2 2 2 2 3	50% 267ea/20 NA	
0.111 (1005): 3055 00 0.117 (1015): 1120 C 0.117 (1017): 1120 C 0.117 (1117): 1120 C 0.117 (11117): 1120 C		30 days	24 Mar 21 3 May 21 HK Working Day 251		0% NA NA	
G (1, Color - 1-1-2) G (1, Color - 1-2-2) G (1, Color - 2-2-2) G (1, Color - 2-2) G (1, Color - 2-2		50 days	12 Jun 21 19 Jul 21 HS Working Day 267 26 Feb 20 6 Apr 20 115 Working Day		0% NA NA 100% 26 Feb '20 6 Apr '20	
0.04 F1 13/7 1-14/30 C 0.04 F1 13/7 1-14		34 days 30 days	6 Apr 20 5 May 20 HE Working Day		100% 6 Apr 20 15 May 20	
Chi Cristo - 1-93 GC Chi Cristo - 1-9		31 days	15 May 20 19 Jun '20 HK Working Day		100% 15 May '20 19 Jun '20	
OL FC132 - 2439 OC OL FC132 - 2439 OC OL FC132 - 2439 OC OL FC132 - 3449 OC OL FC133 - 3440 OC OL FC134 - 3459 OC OL FC1340 - 1349 OC	+59 - 1+91 OC	21 days	19 Jun '20 15 Jul '20 HK Working Day		100% 19 Jun '20 15 Jul '20	
Chi Cassa - Juar Ge Chi Cas	+91 - 2+23 OC	29 days	15 Jul 20 17 Aug 20 HK Working Day	260	100% 15 Jul '20 17 Aug '20	
OL (17) 387 - 34130 C OL (17) 487 - 54130 C OL (17) 487 - 54130 C OL (17) 487 - 54130 C OL (17) 487 - 54100 C OL (17) 487 - 14500 C OL (17) 488 - 14500 C		25 days	17 Aug '20 14 Sep '20 HK Working Day 259	261	100% 17 Aug '20 14 Sep '20	
CH, CE 19 - 3-03 GC CH, CE 19 - 3-03 GC CH, CE 30 - 4-03 GC CH, CE 34 - 4-03 GC CH, CE 44 - 4-07 C FOI TO BA (CH 4-000 C) CH, CE 44 - 4-07 C		38 days	14 Sep '20 30 Oct '20 HK Working Day 260 30 Oct '20 4 Dec '20 HK Working Day 261	262 263	100% 14 Sep '20 30 Oct '20 50% 30 Oct '20 NA	
Cit (C 1-3)-343 05 Cit (C 1-3)-443 05 Cit (C		31 days 30 days	5 Dec '20 12 Jan '21 HK Working Day 262	263	ON NA NA	
0.11(2):881-403.00 0.11(2):881-403.00 0.11(2):481-407.00 10.11(2):487-4047.00 <td></td> <td>30 days</td> <td>13 Jan '21 19 Feb '21 MC Working Day 263</td> <td>265</td> <td>0% NA NA</td> <td></td>		30 days	13 Jan '21 19 Feb '21 MC Working Day 263	265	0% NA NA	
OUTCH-0407C R01104000000000000000000000000000000000		30 days	20 Feb '21 26 Mar '21 HK Working Day 264	265	0% NA NA	
FR0 Tech With Head Transmission (EUT) (UNI) CP, FC abl 5-513 DC (MID DB000)FT CP, FC abl 5-543 DC (MID DB000)FT CP, FC abl 5-643 DC (MID DB000)FT CP, FC abl 5-643 DC (MID DB000)FT CP, FC abl 5-643 DC (MID DB000)FT CP, FC abl 5-743 DC (MID DB000)FT	+15 - 4+47 DC	30 days	27 Mar '21 6 May '21 HK Working Day 265	267	ON NA NA	
(4):47:48-54:190 Web 0000000 (5):47:53-54:190 Web 0000000 (5):47:53-54:190 Web 0000000 (5):47:54:53-54:190 Web 0000000 (5):47:54:54:54:50 (5):47:54:54:54:55 (5):47:54:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54:54:55 (6):47:54 (6):47:54 (6):47:54 (6):47:54 (6):4	i+47 - 4+87 C	30 days	7 May '21 11 Jun '21 HK Working Day 266	254	C% NA NA	
CALCENT-SET 00 CALCENT 00	Waterhant Premenade (Cit. 105187 - 1	esti dor gass	Zardar 26 7. dog 21 HE Working Day		0.00 20 May 20 0.0	
Construction Construction	+87 - 5+19 OC with DN600 IT	72 days	24 Mar '20 22 Jun '20 HK Working Day		100% 24 Mar '20 22 Jun '20	
Control - 0.45 Control Control - 0.45 Contro Control - 0.45 Con	+19 - 5+51 OC	29 days	22. Jun '20 27 Jul '20 HK Working Day	271	100% 22 Jun '20 27 Jul '20	
0 OK (CL-15-647) OC 1 OK (CL-16-647) OC 2 OK (CL-16-647) OC 3 OK (CL-16-647) OC 4 OK (CL-16-164) OC 5 OK (CL-16-164) OC 6 OK (CL-16-164) OC 7 OK (CL-16-164) OC 8 OK (CL-16-164) OC 9 OK (CL-16-164) OC 9 OK (CL-164) - 1640 OC		32 days	27 Jul '20 1 Sep '20 HK Working Day 270	272	100% 27 Jul '20 1 Sep '20	
Constraints Constrain		28 days	1 Sep '20 5 Oct '20 HK Working Dey 271	273	100% 1.5ep '20 5.0ct '20 100% 5.0ct '20 5.Nov '20	
Control (1997) 2010 C		27 days	5 Oct '20 5 Nov '23 HK Working Day 272 5 Nov '20 18 Dec '20 HK Working Day 273	274	100% 5 000 20 5 Nov 20 50% 5 Nov 20 NA	
5 Ox (1011-1-1-140) OX 6 Ox (1011-1-140) OX 1 Ox (1014-1-140) OX 1 Ox (30 days	19 Dec '20 26 Jan '21 HK Working Day 274	276	055 NA NA	
1 CK, 1C -XR - 8-00 CC 2 CK, 1C - 48 - 48 - 90 CC 3 CK, 1C - 48 - 48 - 90 CC 4 CK, 1C - 48 - 48 - 90 CC 5 CK, 1C - 48 - 48 - 90 CC 6 CK, 1C - 18 - 48 - 90 CC 7 CK, 1C - 18 - 14 - 90 CC 8 CK, 1C - 18 - 18 - 90 CC 9 CK, 1C - 18 - 18 - 190 CC 10 CK, 1C - 18 - 18 - 190 CC 11 CK, 1C - 28 - 18 - 190 CC 12 CK, 1C - 28 - 180 CC 13 CK, 1C - 28 - 180 CC 14 CK, 1C - 28 - 180 CC 15 CK, 1C - 28 - 180 CC 16 CK, 1C - 28 - 180 CC 17 CK, 1C - 28 - 180 CC 18 CK, 1C - 28 - 180 CC 19 CK, 1C - 28 - 180 CC 10 CK - 180 CC 10 CK - 180 CC 10 <td></td> <td>30 days</td> <td>27 Jan 21 5 Mar 21 HK Working Day 275</td> <td>277</td> <td>0% NA NA</td> <td></td>		30 days	27 Jan 21 5 Mar 21 HK Working Day 275	277	0% NA NA	
9 OL, (CHAP, 4-3) OC OL, (CHAP, 4-3) OC OL, (CHAP, 4-3) OC 1 THE GRADING CALL AND A SILE 2 CL, (CHAP, 4-3) OC 3 CL, (CHAP, 4-3) OC 4 OL, (CHAP, 4-1) OC 4 CL, (CHAP, 4-1) OC 4 CL, (CHAP, 4-1) OC 4 CL, (CHAP, 4-1) OC 5 CL, (CHAP, 4-1) OC 6 CL, (CHAP, 4-1) OC 7 CL, (CHAP, 4-1) OC 8 CL, (CHAP, 4-1) OC 9 CL, (CHAP, 4-1) OC 9 Statistical Statistical OC 9 Statistical OC 9 Statistical OC 9 Statistical OC	7+43 - 7+75 OC	30 days	6 Mar '21 14 Apr '21 HK Working Day 276	278	0% NA NA	
Out of the same share of		30 days	15 Apr 21 21 May 21 HK Working Day 277	279	0% NA NA	
Terrandial Department (M) (14/02) 200 CK (16/02) 300 CK (16/02) 14/00 CK (16/02) 14/00 <		30 days	22 May 21 26 Jun 21 HK Working Day 278 28 Jun 21 2 Aug 21 HK Working Day 279	280	035 NA NA 036 NA NA	
2 CH, IC 8+71, 9+55 OC 3 CH, IC 9+55, 1199 OC with DR159 DAV 4 CH, IC 10109 - 12+96 OC 5 CH, IC 12+06, -12+39 OC 6 CH, IC 12+06, -12+39 OC 6 CH, IC 12+06, -12+39 OC 7 CH, IC 12+06, -12+39 OC 8 CH, IC 12+06, -13+20 CO 9 DL, IC 13+02, -13+20 CO		30 days	26 Jun 21 Z Aug 21 Hit Working Day 279	Contraction of the local division of the loc	34% 14 Apr 28 No	
0 CIL (25)455 - 11-950 CC with DH150 DM7 4 CIL (21)450 - 12-860 CC 5 CIL (21)450 - 12-860 CC 6 CIL (21)450 - 12-800 CC 6 CIL (21)420 - 12-800 CC 6 CIL (21)420 - 12-800 CC 7 CIL (21)420 - 12-800 CC 8 CIL (21)420 - 12-800 CC 9 DIL (21)420 - 12-800 CC		90 days	17 Nov'2L 8 Mar'22 HK Working Day 283		0% NA NA	
4 CIL.FC 11:99 - 12:06 CC 6 CL, FC 13:06 - 12:39 CC 7 CL, FC 13:06 - 12:39 CC 7 CL, FC 13:06 - 12:30 CC 7 CL, FC 13:06 - 13:20 CC 8 CL, FC 13:06 - 13:20 CC 9 DL FC 13:02 - 13:20 CC 9 Address of the provided Works for Access of the Point Park Road Research Re		300 days	12 Nov '20 16 Nov '21 HK Working Day 284	282	0% NA NA	
64 C4. FC 12430 - 12462 OC with Monitoring O 177 CL FC 12462 - 13402 OC 188 OL FC 12462 - 13402 OC 189 Dit FC 13402 - 13426 OC 199 Based Flying, Expand Flying, Frendflying, Frendflyi		30 days	7 Cict '20 11 Nov 20 HK Working Day	283	83% 7 Oct *20 NA	
17 Cill, FC 12+62 - 13+02 DC 18 Cill, FC 13+02 - 13+25 DC 19 Burn, Ed, Pipe, Dxposed P7pe, Trenchiless Works /r Avenue to Po Tap, Road Roundabout		68 days	15 Jul '20 3 Oct '20 HK Working Day		95% 15 Jul '20 NA	
CH, FC 13+02 - 13+26 OC Barr, et Pipe, Dxposed Pipe, Trenchless Works Tr Avenue to Po Yap Road Roundabout			15 Jun '20 13 Aug '20 HK Working Day		95% 15 Jun '20 NA 95% 15 May '20 NA	
9 Bursted Pipe, Diposed Pipe, Trenchless Works Fr Avenue to Po Yap Road Roundabout		50 days 28 days	15 May '20 14 Jul '20 HK Working Day 16 Apr '20 18 May '20 HK Working Day		95% 15 May 20 NA 95% 14 Apr 20 NA	
Avenue to Po Tap Road Roundabout	, Exposed Pipe, Trenchless Works From		20 Apr '20 16 Nov'21 HK Working Day	641	7% 20 Apr '20 NA	
	o Yap Road Roundabout					
X Issue CE No. 65 - Landscaping Survey near Po Y Pang Loi Roard	No. 65 - Landscaping Survey near Po Yap a Road	nd O days	17 Jun '20 17 Jun '20 Calendar Day		100% 17 Jun '20 17 Jun '20	+ 106
2 Expected CE No. XX - Realignment of Water M Fung Loi Road	CE No. XX - Realignment of Water Main	near Odays	30 Nov '20 30 Nov '20 Calendar Day	295	0% HA NA	+ 30(1
92 XP Application: DLC/LandsD Approval	ation: DLC/LandsD Approval	240 days	20 Apr '20 15 Dec '20 Calendar Uay	295	21% 20 Apr '20 NA	
93 TTA preparation, SLG meetings and obtain RA		60 days	12 Aug '20 10 Oct '20 Calendar Day		10% 12 Aug '20 NA	







	TokNanc	Dusten	Stat Frint Lak Clenta Prelevosos	Socreson S Corpuse Actual Start Actual Finals	Pager: Mikingkei (17 Forg San 0
		Excavation and ELS Installation from Fit K to Pit J1A 62 days (62m)	5 Feb '22 22 Apr '22 HK Working Day 340	343 0% NA NA	
		Pine Lavine From Pit K to Fit 114. 9 days	23 Apr '22 4 May '22 HK Working Day 342	344 0% NA N	
				345 0% NA N	
		Backfill Trench and Remove ELS 18 days	24 May 22 14 Jun 22 HK Working Day 344	346 0% NA 10	
Absolution Absolution <td></td> <td>chless Work from Po Yap Road Roundahout to KMB 590 days</td> <td>18 Nov'19 13 Nov'21 HK Working Day</td> <td>642 37% 18 Nov '19 NJ</td> <td></td>		chless Work from Po Yap Road Roundahout to KMB 590 days	18 Nov'19 13 Nov'21 HK Working Day	642 37% 18 Nov '19 NJ	
			an and the second second second second	201 200 1000 11 be 120 12 be 12	+ 10
	155 Yaq	p Read and Po Hong Road	15 Jan 20 13 Jan 20 Calendar Gay	331,332 100/0 13 00 20 13 00 0	
Process Process <t< td=""><td>10</td><td>nction of Wan Po Read and Po Yep Road and the</td><td>11 Jun '20 11 Jun '20 Calerdar Day</td><td>100% 11 Jun 20 11 Jun 20</td><td>+ 116</td></t<>	10	nction of Wan Po Read and Po Yep Road and the	11 Jun '20 11 Jun '20 Calerdar Day	100% 11 Jun 20 11 Jun 20	+ 116
	Jue	nction of Po Hong Road and Po Shun Road.			
		sue CE No. 28A - Affected Trees along Cycle Treck riskt 0 days	30 Jun '20 30 Jun '20 Calendar Day	365 100% 30 Aun '20 30 Aun '2	+ 306
	to	Hong Kong Velodrome and Tsoung Kwan O Sport. round			
	Te			100% 18 Nov '19 24 Fcb '2	
	Tro.			1355 1319±220 No	
		contract of the providence of the state of the			
		Forming temporary Vehicle Access for Pit P 10 days	16 Jul '20 27 Jul '20 HE Working Day		
Bite 10			11 Jun '20 8 Sep '20 HK Working Day	358 50% 11 Jun '20 N	
No. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10		•			
Bit Service					
Control Control <t< td=""><td></td><td>Approval for Temporary Vehicular Access at HK</td><td>as rest and 20 million of Contemporary 368</td><td>tone team of Taraby a</td><td></td></t<>		Approval for Temporary Vehicular Access at HK	as rest and 20 million of Contemporary 368	tone team of Taraby a	
Part Paragram Parabia		Cound mation with LCSD and Notification to District 14 days	20 May '20 2 Jun '20 Colendar Day 359	361 100% 20 May '20 2 Jun '2	
Display Display <t< td=""><td></td><td></td><td>1 Jun 20 8 Jun 20 HK Working Day 350</td><td>362 100% 1 Jun '20 8 Jun '2</td><td></td></t<>			1 Jun 20 8 Jun 20 HK Working Day 350	362 100% 1 Jun '20 8 Jun '2	
Display Display <t< td=""><td></td><td></td><td>Planting 10 by 10 Million Pro 31</td><td>363 100K 9.0m 20 10.0m 1</td><td></td></t<>			Planting 10 by 10 Million Pro 31	363 100K 9.0m 20 10.0m 1	
Notes Notes <th< td=""><td></td><td>rice iransplanting Working & Free Removal Works at 10 days TKD Sport Ground (CE No. 28)</td><td>Piven Zu 19 Jun Zu HK Working Day 161</td><td></td><td></td></th<>		rice iransplanting Working & Free Removal Works at 10 days TKD Sport Ground (CE No. 28)	Piven Zu 19 Jun Zu HK Working Day 161		
1 Main factor of Mai		Tree Fruning Working for driving Sheetpile at Pit M, 3 days Fit N & Pit O	20 Jun '20 23 Jun '20 HK Working Day 362	364 100% 20 Jun '20 23 Jun '2	
Interpretendence (Arbite) HEP Accessed) Bohnery			26 Jun '20 3 Jul '20 HK Working Day 363	373,369 100% 24 Jun '20 3 Jul 2	
Nerva Wark wing Contrastic Graves Train Strong					
Recording Pr.9 Type of max Alter VI Marcolang Pr.9 Alter VI Marcolang Pr.9		Removal Works along Cycle Tracks (Ce No. 28A)	and the second		
Apakurg Pa Markarg				54.5 W 101 Y 0	
Abole Nr. Work Nr. <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Notice Fit N 74 cm 81 dm			eroute to total to the total and	51 4500 - 5011 - 11 - 11 - 11	
Sciency Factoring (100 cmm) Sciency Factoring (100 cmm) <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>					
Image Short 2 policy (SP 12 PAPC) V 2					
Induktion of a PF 1 3 (4 p) 6 (4 p) 6 (4 p) 6 (4 p) 7 (4 p) 8 (4 p) 7 (4 p) 8 (4 p) <td>Colorado de la colorado de la colora</td> <td></td> <td></td> <td>394 0% NA N</td> <td></td>	Colorado de la colora			394 0% NA N	
Scale is Set [2 Am/Ceta] S	-				
Tacadors stand Jack Trip 1 64 op 2770 v17 12 Jav 71 100 v10 100 v10 </td <td></td> <td>Segment @400mm Skeve Pipe (Pit L to Pit K)(* 70 days 56m) in Soll (0.8m/day)</td> <td>27 Feb '21 26 May '21 HK Working Day 374</td> <td>376 0% NA N</td> <td></td>		Segment @400mm Skeve Pipe (Pit L to Pit K)(* 70 days 56m) in Soll (0.8m/day)	27 Feb '21 26 May '21 HK Working Day 374	376 0% NA N	
Internet registrating (PP 1978) 36 49 47 49 47 49 48 40 68 68 Conder registrating (PP 1978) 24 49 4 49472 4 4			27 May '21 2 Jan '21 HK Working Day 375	0% NA N	
Light blander of Ph2 2 4 dept 2 4 dept 2 4 dept 4 M var(be) V2 2 L1, 4 M v21 N v N v N v DNUXD Proceed Convoir Server Park (P + PR) (H + S) T M v21 T M v21 <td>1</td> <td>TBM Pipe Jacking (Pit P to Pit O) 75 days</td> <td></td> <td></td> <td></td>	1	TBM Pipe Jacking (Pit P to Pit O) 75 days			
Uptop is saft (Sar) (Sar) Saft (Sar)		Establishment et Pit P 24 days			
Protocy indeg PRIMINAND 4 (66 days) 13 Jan 21 15 Apr 21		DN1600 Precast Concrete Sieeve Pipe (Pit P - Pit O) 45 dats (260m) in Soil (4.5m/day)	7 May '21 30 Jun '21 HK Working Day 378	380 C% NA N	
Integration Notice from	0	Remove setup including thrust wall at Pit P 6 days			
Emails/binardial (Pk M 24 days 33 Jan'21 18 Fab'21 P Model Goy 303,338,355 363 664 NA NA D01007 Pracet Concert Biology 101, 19 Hardy 31 Har 21 3 Par 221 18 Par 221	1000	TBM Pipe Jacking (Pit M to Pit L) (5 Days a week, 6 68 days	19 Jan '21 15 Apr '21 HK Working Day	400 0% NA N	
D01000/Pretext Gaussian Signer Payer (P[M, M-FRL] 32 4/yz) 315 Hz 21 4 Apr 23 15 Apr 23 16 Apr 24					
C11.004/09 to C14.0148() is 501 (172m 4.5ef(47)	-				
5 TRANSPIJANAN (TV ST LIC PAN) (5 Days a week, 4 \$7 days 27 Get 20 2 he '21 & K.Weeking.Bay 342,437,3 est NA NA Mp par 4 spj	,	(CH.GAC+09 to CH.GA1+80) in Soil (171m;	15 Feb 21 8 Apr 21 FK Working Day 382	588 025 NA P	
TRAN Pipe Saching (MISCLE PR. N.) (S. Days week, 4. 57 days 20 (92) 2 Jan 21. IK Weeking Day 342,437,8 KK NA NA Obje par 6390		Remove setue including thoust wall at Pit M E down	9 Aur 21 15 Aur 21 HK Working Day 383	0% NA 5	
cub frau gibly	5	TEM Pipe Jacking (Pit N to Pit N) (5 Days a week, 4 57 days			
16 Toubblewent #7 2M 24 days 24 0:179 2186/199 BK/Wendgoy 99,5/02-14 414/ 05 NA AA		trip per days)			
	8	Establishment at Pit M 24 days	24 Oct '20 21 Nov '20 HK Working Day 369,3/UFS	-14 da 38/ 0% NA P	
nongregories tat 24 non-26 no 1 book	ar King Program	evene No. 11 Tal. 10 Mideave		Incirc Missine Manul Tak	Houdfamou Billy South L Seed Tab. Dudar & Orocfitz Multi Bab Page.



							Project: Mainlasia: in Torong Kwan O
TekNate	Dealer	Stat Pind Tak Cicular Protocores	Sacoso 20	roykse Actual Sy	at Acad Fid	317	
	DN1600 Precast Concrete Sleeve Pipe (Pit M - Pit 27 days N) (CH.GA1+86 to CH.GA3+20) in Soil (134m; Sm(day)	23 Nov '20 23 Dzc '20 HK Working Day 366	368	0%	NA	Nov De NA	
	Remove setup including thrust wall at Pit M 6 days	24 Dec '20 2 Jan '21 HK Working Day 367		0%	NA	NA	sa a a a a a a a a a a a a a a a a a a
	18 M Pipe Jacking (Pit O to Fit N) (5 Days a week, 4 74 days trip per days)	4 Jan '23 7 Apr '23 HK Working Day	415,378	0%	NA	NA	
	Fitabilidement at Fit O 24 days	4 Jan '21 30 Jan '21 HK Working Day 370,371,385	301	0%	NA	NA	
	DV1508 Precast Concrete Sieeve Pipe (Fit O - Pit N) 44 days (CH.GAB+13 to CH.GAS-08) in Soll (195m; 4.5m/day)	1 Feb '21 26 Mar '21 HK Working Day 390	392	0%	м	NA	· · · · · · · · · · · · · · · · · · ·
	Remove setup including thrust wall at Pit M G days	27 Mar '21 7 Apr '21 HK Working Day 391		05	NA	NA	
No. of Concession, Name	DN1200 Pipelaying (Pit K to Pit L) 06 days	3 Juni 21 13 Sep 21 HK Working Day	ATLANTO IN	0%	NA	NA	M
	Setup for Pipe Laying Inside Jacking Pit K G days	3 Jun '21 9 Jun '21 HK Working Day 373	305	0%	NA	NA	
	DN1200 MS Pipe Loying institutio jacking pipe (56m) 30 days	30 Jun '21 16 Jul '21 HK Working Day 395	396	0%	NA	NA	
	(2 days per 4m) (Only Internal Coating)		-		NA	NA	
	Fernwork & Setup for Grouting the gap between 3 days pipe and Sleeve	17 Jul 21 20 Jul 21 HK Working Day 395	397	os		nA	m i i i i i i i i i i i i i i i i i i i
	Grouning Works (30 meter/day) 2 days	21 Jul 21 22 Jul 21 HK Working Day 396	398	0%	NA	NA	
	Construction of DN900 Valve Chember and DN150 45 days By-pass Pipe & Valves Near FILK	23 Jul 21 13 Sep 21 HK Working Day 397		0%	NA	NA	
	EN1200 Pipelaying (Pit Mite Pit I) 145 days	16 Apr '21 8 Oct '21 HK Working Day	-	0%	NA	NA	
	Satup for Pipe Laying (Pit M to Pit I) 145 days Satup for Pipe Laying (mide jacking Pit M 10 days	16 Apr '21 27 Apr '21 HK Working Day 381	401	0%	NA	NA	MA BELLEVILLE BE
	DN1200 MS Pipe Laying inside jacking pipe (171m) 90 days (2 days per 4m)(Only Internal Coating)	28 Apr '21 14 Aug '21 HK Working Day 400	402	0%	NA	NA	
	Formwork & Setup for Grouting the gap between 3 days pipe and Sleave	16 Aug '21 18 Aug '21 HK Working Day 401	403	0%	NA	на	ба ј
	Grouting Works (30 meter/day) 6 days	19 Aug '21 25 Aug '21 HK Working Day 402	404,411	0%	NA	KA	
	Hps Connection Inside Pit L 12 days	26 Aug '21 8 Sep '21 HK Working Day 440	405	0%	NA	NA	
	Remove ELS including extracting sheet piles at Ph 24 days L; Reinstatement of Cycle Track and planter	9 Sep 21 8 Oct 21 HK Working Day 404		0%	NA	NA	
	DN1200 Pipelaying (Pit M to Pit N) 256 days	4 Jan 21 13 Nov 21 HK Working Day 4 Jan 21 9 Jan 21 HK Working Day 385	408	0%	NA NA	NA	
	Setup for Pipe Laying Inside Jacking Pit N G days DN120D MS Pipe Laying Inside Jacking pipe (134m) 35 days	4 Jun 21 9 Jan 21 HK Working Day 385 11 Jun 21 23 Feb 21 HK Working Day 407	408	0%	NA	NA	
	[2 days per 8m](Cely Internal Coating)	and a start and a start and a start a star	1000	2022	-		
	Formwork & Satup for Grouning the gap between 3 days pipe and Sleeve	24 Feb '21 26 Feb '21 HK Working Day 408	410	0%	NA	NA	
() ()	Growing Works (30 meter/day) 5 days	27 Feb '21 4 Mar '21 HK Working Day 409	411,419	0%	NA	NA	
	Fipe Connection Inside Pit M 12 days	26 Aug '21 8 Sep '21 HK Working Day 403,410	412 413	0%	NA	NA	
_	Construction of IT Chamber at Pit M 30 days Remove ELS Including extracting sheet piles at Pit 24 days	9 St p '21 16 Oct '21 HK Working Day 411 18 Oct '21 13 Nev '21 18K Working Day 412	+13	0%	NA	NA	
	Remove ELS Including extracting silver piles at the 24 ways M & PE N, Reinstatement of Cycle Track and cluster	10 OC ST TO HOR ST IN HOUSE COLUTE		014			
	DN12dO Pipelsying (Pit O to Pit N) 192 days	8 Apr '21 13 Nov '21 HK Working Day		0%	NA	NA	
	Setup for Pipe Laying Inside Jacking Pit N G days	s Apr '21 14 Apr '21 HK Working Day 389	416	016	NA	NA	
	DH1200 MS Pipe Laying inside jacking pipe (195m) 50 days (2 days per 8m)(Only Internal Coating) Formwork & Setup for Grouting the gap between 3 days	15 Apr '21 15 Jun '21 HK Working Day 415	417	0%	NA	NA	
	Formwork & Setup for Grouting the gap between 3 days pipe and Sizeve	totes of 16 km 51 up around roly 410					
8	Growting Works (30 meter/day) 7 days	19 Jun '21 26 Jun '21 HK Working Day 417	419,421	0%	NA	NA	
9	Pipe Connection Inskie Pit N 32 days	28 Jun '21 12 Jul 21 HX Working Day 410,418	420	0%	NA	NA	
0	Remove ELS including extracting sheet piles at Pit 24 days N; Reinstatement of Cycle Track and planter	13 Jul '21 9 Aug '21 HK Working Day 419		0%	NIA	NA	
1	Pipe Connection in side Pit 0 12 days	2 Oct '21 36 Oct '21 HK Working Day 427,418	422	055	NA	NA	NA LIGHT LIG
2	Remove #15 including extracting sheet piles at Pit 24 days	18 Oct 21 13 Nov 21 HK Working Day 421		0%	NA	NA	
	O; Reinstatement of Cycle Track and planter						
9	UN 1200 Pipelaying (Pit O to Pit P) 71 days	9 Jul 21 30 Sep 21 HK Working Day		016	NA	NA	
	Setup for Pipe Laying inside jacking Rt O 6 days	9 Jul 21 15 Jul 21 HK Working Day 377 16 Jul 21 17 See 21 HK Working Day 424	425	0%	NA NA	NA	
·	DN1200 MS Pipe Laying inside jacking pipe (200m) 55 days (2 days per 8m)(Only Internal Conting)	ANTW AX 17 MIP 21. The WORKING LAY 426	420	w/e	-		
6	Formwork & Setup for Growing the gap between 3 days pipe and Sleeve	185ep 21 215ep 21 HK Working Day 425	427	0%	NA.	NA	
π	Grouting Works (30 meter/day) 7 days	23 Sep '21 30 Sep '21 HK Working Day 426	421	0%	NA	NA	NG
8 Tre	enchless Work from HMB Depot to Po Heng Road (PR P. 515 days Pit B)	3 Aug '20 29 Apr '22 HK Working Day	642	25% B A	ωg '20	NA	
9 I	Issue CE No. 51 - Raalignment of Water Main in Tsul 0 days Lees Section	3 Aug '20 3 Aug '20 Celendar Day	435,431,9	100% 3 <i>4</i>	lugʻ20 3 Au	ag '20	20 + 30
9 1	Issue CE No. 51 - Realignment of Water Main in Tsui 0 days	3 Aug '20 3 Aug '20 Celendar Der	435,431,5	100% 3 <i>4</i>	lugʻ20 3 Au	ag '20	-20 + 3 7

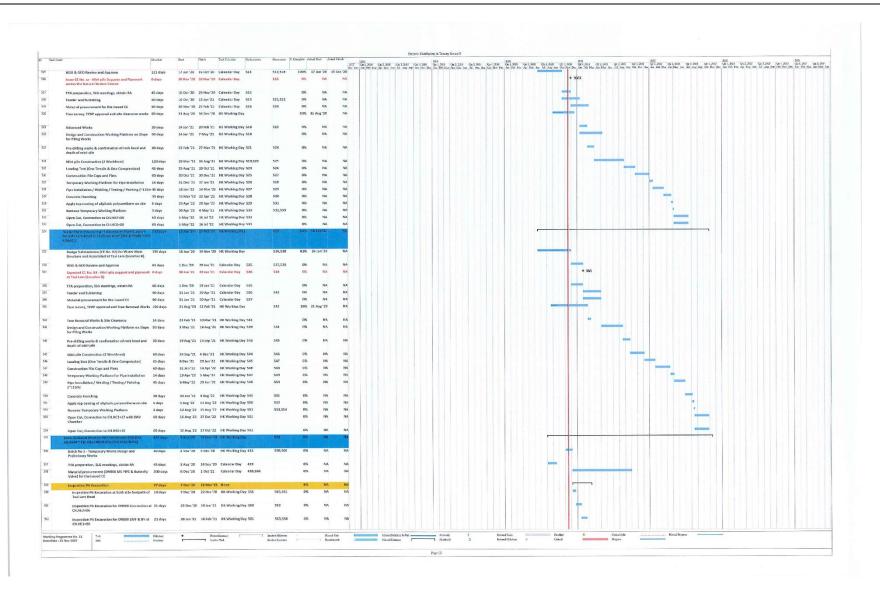


WSD Letter Ref.: (4) in /w/3503/13/WSD/16/M15/300/S1 for additional a to CE No. 51	Duaten O days	Stat Paeca Tak Olzakir Piteleosina 3 Sep '20 3 Sep '20 Calendar Day	3100003 94 558	100% 3.5		25
/W/7503/13/WSD/16/M15/300/51 for additional a to CE No. 51	0 days	3 Sep 20 3 Sep 20 Calendar Day	558	1005 35		
				1004 55	ep*20 35e	p '20
iering Process, Tender Award for CE No. 51 (Batch I)	82 days	3 Aug '20 23 Oct '20 Calendar Day 429	438,453,4	100% 3A	ug 20 23 O	tt 720
iering Process, Tender Award for CE No. 51 (Butch 2)	102 days	3 Aug '20 12 Nov '20 Calenda: Day 429	454	100% 3A	ng 20 12 Me	w "20
lering Process, Tender Award for CE No. 51 (Batch)))	90 days	3 Aug '20 31 Oct '20 Calendar Day 429	437,556			NA
lering Process, Tender Award for CE No. 51 stion A Mini-pile Works)	90 days		435			NA
ation B Mini-pile Works)						NA
ement Advanced Works		3 Aug '20 10 Nov '20 Calendar Day 429	438			NA
atic polyurethance for exposed pipes						NA
struction of Pit R & Pit S and Trenchless Works						NA
ection Fit Excavation at Pit II		15 Dec '20 2 Jan '21 HE Working Day	441	0%	NA	NA
struction of Receiving Pit R		4 Jan '21 26 Apr '21 HK Working Day 439	463	0%	NA	NA
		9 Jul 23 Zil Apr 23 Hit Working Pag		0%	790	004
	15 days	9 Ad '21 25 Jul '21 HK Working Day 441,377	444	0%	NA	NA
		27 Jul '21 8 Oct '21 HK Working Day 443	445	0%	NA	NA
		9 Oct '21 16 Oct '21 HK Working Day 444	446	0%	NA	NA
						NA
ays per 8m)(Only Internal Coating)						NA
ipe and Skewe						
						NA
omtruction of Combined Impection and Washout		15 Feb '22 29 Apr '22 HK Working Day 450		on.	NA	NA
Trench from Pit R to Pit 5 & Trenchless Works from	524 days	3 Aug '20 12 May '22 HK Working Day	642	1% 37	ug '20	NA
		24 Doubles 20 Nov 20 Life Working Days 431	455 433	DK	84	NA
th No 1 - Temporary Works Design and Preliminary rka	30 days	24 Oct 20 28 Nev 20 HK Weiking Day 431	456,473	0%	nu.	aa
ch No 2 - Temporary Works Design and Preliminary rks	30 days	15 Nov '20 17 Dec '20 HK Working Day 432	474,479,41	0%	NA	NA
terial Procurement for the issued CE	SØ days	3 Aug '20 12 Jan '21 Calendar Day 431				NA
section Pit Expandion at Pit 5 & Pit T	14 days	30 Nov '20 15 Dec '23 HK Working Day 453 16 Dec '20 2 Mar '23 HK Working Day	458,459,4	0%	NA	NA
Nt 5 at CHLIIA0+30	60 days	16 Dec '20 2 Mar '21 HK Working Day 456	461	016	NA	NA
RT at CH.HA0+80	60 days	16 Dec '20 2 Mar '21 HK Working Day 456	461	0%	NA	NA
ad sheets Pope Section p. (Philo the Pit S) Istabilishment at Pit S	14 days	3 Mar '21 18 Mar '21 HK Working Day 458,459	462	0%	NA	NA
did Steel Sleeve Pipe in Mix of Soil & Rock (0.2m / lay; two teams)	125 days	19 Mar '21 20 Aug '21 HK Working Day 461	463	0%	NA	NA
and the second		21 Aug '21 27 Aug '21 HK Working Day 462	464	0%	NA	NA
ietup for Pipe Laying Inside Jacking Pit S	6 days					NA NG
oer 4m pipe](Only internal Coating)						NG
sipe and Slowve						
			468,469	0%	NA	NA NA
Chevilier Type I at Pit S	The second secon					
install inspection Tree at Pit T and Construction of Chamber	45 days	19 Oct '21 9 Dec '21 HK Working Day 467		0%	NA.	NA
Open Cut, between Pit R and Pit S with inspection Te	e 105 days	30 Dec '21 12 May '22 HK Working Day 468		0%	NA.	NA
	I) Image: A press. Teacher Award for CT In 3.3 Image: A press. T	The process, Towards for CK No. 3. Bit dryp The process, Towards Access for CK No. 3. Bit dryp The process, Towards Access for CK No. 3. Bit dryp The process, Towards Access for CK No. 3. Bit dryp The process, Towards Access for CK No. 3. Bit dryp The process, Towards Access for CK No. 3. Bit dryp The process, Towards Access for CK No. 3. Bit dryp The process, Towards Access for CK No. 3. Bit dryp The process for CK No. 3. Bit dryp <td>J SA 14 (2) <thsa (2)<="" 14="" th=""> <thsa (2<="" 14="" td=""><td>D Sec 2 Part Part Part Part Part Part Part Part</td><td>D Distance <thdistance< th=""> Distance Dis</thdistance<></td><td></td></thsa></thsa></td>	J SA 14 (2) SA 14 (2) <thsa (2)<="" 14="" th=""> <thsa (2<="" 14="" td=""><td>D Sec 2 Part Part Part Part Part Part Part Part</td><td>D Distance <thdistance< th=""> Distance Dis</thdistance<></td><td></td></thsa></thsa>	D Sec 2 Part Part Part Part Part Part Part Part	D Distance Distance <thdistance< th=""> Distance Dis</thdistance<>	

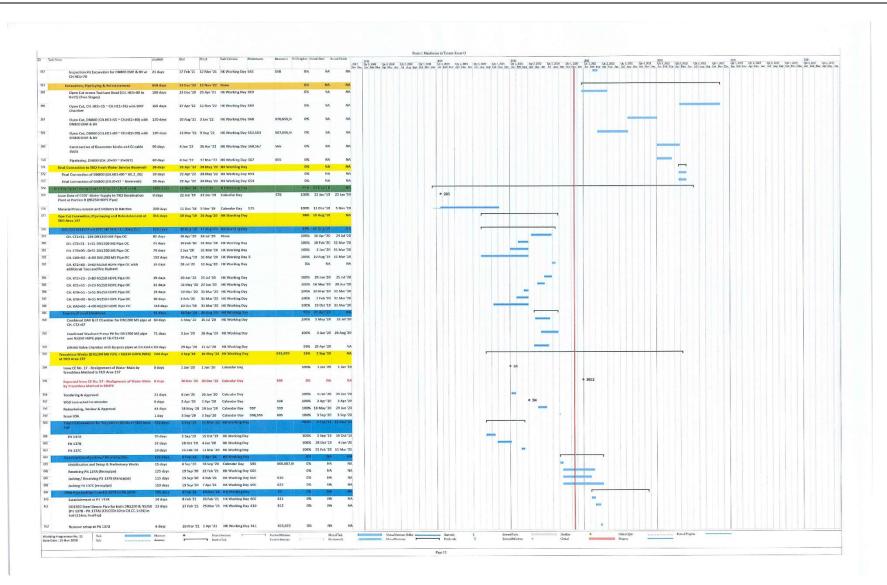


	Name:	Datates	21.41 Pinish Task Cdoxda	Pielezaen Saucaers	S Couples: A	croal Start Av	roul Finish
	Open Cut Abandon North	Escavation, Pipe Laying and Reinstatement at 1485 of Road / Max Wa Tsa'l Village / Po Law Road	ays 7 Nov 17 12 Nov 22 HK Working Da	π	6%	7 Nov '17	NG
	0	pen Trends Flipflaying at Abrendured Road & Mau 513 di	ys 10 Nov '20 25 Amp '22 HK Working Pay	y 692	0%	774	NA
Barbone		CH.HAD+80 to HA3+45 (Depth < 2.5m, each TTA 30m 513 da	ys 30 Nov '20 25 Aug '22 HK Working Day	y 453	0%	NA	NA
Provent And		CH.HA3+75 to HA5+55 (Depth < 2.5m, each TTA 270 di 24-30m length) (Option G) with Construction of DAV	ys 18 Dec '20 17 Nov '21 HK Working Day	y 454 511	0%	NA	NA
			ys 16 met 10 13 May 122 HS Working Oa	φ 9 2	0%	164	66
Impution Proceedings 10 14 are 16 are					016	11.5	NA
Implicite framework (1) 1 400 1 40	7						NO
Buncher Hunderseinen ist A Auto Buncher Hunderseinen ist A Buncher Hunderseinen	18 79						NA
Decision of Stable / Action (Stable / Action (Stable / Stable	RC III						NA
Making Mi Open 1.02.7 Micro							NA
Image: Second	1				0%	NA	NA
Interaction		Receiving Pit V 60 day	s 5 Jan 21 18 Mar 21 HK Working Day				
Halt Start Springelook (1000 Start) How Start How Start How Start Halt Start Springelook (1000 Start) How Start How Start How Start Halt Start Springelook (1000 Start) How Start How Start How Start How Start Hand Start Springelook (1000 Start) How Start How Start How Start How Start How Start Hand Start Springelook (1000 Start) How Start How Start How Start How Start How Start Hand Start Springelook (1000 Start) How Start How Start How Start How Start How Start Hand Start Springelook (1000 Start) Hand Start How Start How Start How Start How Start Hand Start How Start How Start How Start How Start How Start How Start Hand Start Hand Start How Start How Start How Start How Start How Start How Start Hand Start Hand Start How Start How Start How Start How Start How Start Hand Hand Start Hand Start							
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Image: Section							NA
Image: Research Seque National Structure Notice Seque National Structure Notic							
1 Socy Are Processing Unit Marked Data Service 1.01/21 2.01/21 1.01/200 0.01/20	1						
Ci mittable Sing Page mage subsets and page for the set of the s	0						
Baye and Store 1		DN1200 MS Pipe Laying Inside Jacking Pipe (3 days 45 da					NA
	2	Formwork & Setup for Growting the gap batween 3 day pipe and Sleeve	15 Sep '21 17 Sep '21 HK Working Da	vy 491 493	0%	NA	NA
6 openel Act concentration (1) where 3 being	19						
	PA .				0%		
abases construction	ø	end at Pit U with Inspection Tee at Pit U			05		
of all of the operation of the ope	1	chamber					
Outstand	an.	end at Pit V			СЖ	NA	NA
B MB1 busch harver product of Self back of an U and Y 1 MS1 vander product of Self back of An U an U and Y 1 MS1 vander product of Self back of An U and	18				6%	NA	NA
Image: Rescue Buckey							
Mixed for PDULTyme and Askands PCU 607 32.44/22 44.46/11 157 Windle Dary S20 6							
8 Description (subjective) (su							
Provenent & Brands for conside frage between 3 days 245 days 21 325 days 21 345 With With Big Days 20 405 40 40 Granding Winass (Shingtor fag) 2 days 2 for 21 2 for 22		DN900 MS Pien Laving inside Jacking Pipe (2 days 25 da					
Gravity Mask (2001 pri rdg) 2 drg 28 Jor 21 28 Jor 22 28 Jor 21 10 Which (2001 pri rdg) 505 Jor 27 70 With (1001 pri rdg) 70 Jor 27		Formwork & Setup for Grouting the gap between 3 day	s 24 Sep '21 27 Sep '21 HK Working Da	ay 503 505	0%	NA	NA
No. No. ada Lyochandrez del NUM Sorgen	_				-	-	
 	06						
Interfactor	87						
Outstree and at PR / construct GL (Me/CL DDD) 2003/00/14 Charles K MAR Data (We/CL DD) 2003/		end at Pit W					
Operator		Instal Inspection tee at Pit X & Construction of 40 di Chamber	ys 30 Sep 21 17 Nov 21 HK Working Da	wy 505 509	6%		NA
Bit Start Start Start Start Start Start 10 Start Start Start Start Start Start 11 Start Start Start 12 Start Start Start Start 13 Start Start Start 14 Start Start Start 15 Start Start Start 16 Start Start Start 17 Start Start Start 18 Start Start Start 19 Start Start Start 10 Start Start Start 10 Start Start Start 11 Start Start Start 12 Start Start Start 13 Start Start Start 14 Start Start Start 15 Start Start Start 16 Start Start Start 17 Start Start Start 18 Start Start Start 19 Start Start Start 19 Start <td>9)</td> <td>end at Pit X with DNS00 Valve Chamber & DAV</td> <td>ays 18 Nov '21 13 May '22 HK Working Da</td> <td>uy 50#</td> <td>035</td> <td>NA</td> <td>NA</td>	9)	end at Pit X with DNS00 Valve Chamber & DAV	ays 18 Nov '21 13 May '22 HK Working Da	uy 50#	035	NA	NA
Bit State Col State Col State Col State Col State Col State Col 20 Coll Col Col Col	510	Open Treach Pipe Leging at Po Law Road North 1916	days 7 Nov '17 24 Apr 22 HK Working P	iay 613	0%	216	NA
31 State Nambel 20 (Option of G State Namel 20 (Option of G State Nambel 20 (Option of	S1	CH.HA6+63 to HA7+46 (Depth < 2.5m, each TTA 30m 120 length] (Option G)	lays 18 Nov '21 14 Apr '22 HK Working Di	lay 474,512	0%	NA	NB
33 Water/fails Spectramedia/Appoint Appoint 653 Pays 5May 25 16.01 / 27 INV Information 649 1316 2 Mary 26 Feb 51 Detector Spectramedia/Appoint (CM In Style Transmitter) 649 1316 2 Mary 26 Feb 1316 2 Mary 26 16 Jan 20 Feb 1316 2 Mary 26 16 Jan 20 Feb 16 Jan 20	12	CH.HCC+00 to HC3+17 (Depth < 2.5m, each TTA max. 381- 20m length) (Option G)	lays 7 Nov '17 23 Feb '19 HK Working D	lay 511	035	NA	N
CH WH94-H41 C4 Designs Scentralion (CE No. 55) for Water Asian S days S May 20 16 Jun 20 MK Working Day S 53 100H S May 20 16 Jun 20 MK Working Day S 53 100H S May 20 16 Jun 20 MK Working Day	13	Water Main Structure and Associated Pipe Support 653 structure Metered Stream Course ICV, HBD+00 7	teys 570 by 20 IE (ul 22 NK Working I)	isy 693	13)6	5.May 20	N
Structure and Associated Pipo Support across the	4	Design Submission (CE No. 55) for Water Main 37 d	nys 5 May 20 16 Jun 20 HK Working D	lay 515	100%	5 May '20	16 Jun '20
		Structure and Associated Pipe Support across the					











									hvist: Midalata Ia Tonar Kven O
udi Natie		Duration	Start Fields	Talt Cécula Pedeucoro	Success 9.0	Sougiete Actual i	Stat Acted Fe	ih an 2	
	Setup for Pipe Laying inside jacking Pits 8	6 days	8 /0(12) 14 /0(12)	HK Working Day 612,623	615	0%	NA	NA NA	
	DN1200 M5 Pipe Laying inside jacking pipe (114m)		2 Aug '21 23 Sep '21		616	0%	NA	NA	
	(êm pir 3 day)		15/0/21 31/0/21		614	0%	NA	NA	
	NS250 HDPE Pipe Laying inside jacking pipe (114m) (8m per day)	15 days	15 Jul 21 31 Jul 21	HK Working Day 613	614	Che .	no.	NA	
	Formwork & Sotup for Grouting the gap between pipe and Sloeve	3 days	24 Sep '21 27 Sep '21	HK Working Day 614	617	0%	NA	NA	
		6 days	28 Sep '21 5 Oct '21	HK Working Day 515	618	0%	NA	NA	
	Pipe Laying (HB, BVB, Short Pipe), Thrust Block &		5 Oct '21 3 Nov '21		619	0%	NA	NA	
	backfilling inside Pit 137A				620	as	NA	NO	
	Remove ELS and Extract Sheetpile at Pit 137A Pipe Laying (DN1200 MS Pipe & NS250 HDPE Pipe)		4 Nov '21 5 Nov '21 6 Nov '21 19 Nov '21		650	0%	NA	NA	
	From Pit 137A to CH.CC1+38 & XC1+38								
1000	Bin Pipe Jacking From Pit 1377 to Pit 1378	S22 days	8 Apr 21 10 May 22	HK-Wesking Day		0)5	NA NA	NA	
	OD1920 Steel Sleeve Pipe for both DN1200 & NS250	24 days 50 days	8 Apr '21 6 May '21 7 May '21 7 Jul '21	HK Working Day 612,608 HK Working Day 622	623 624,613	0%	NA	NA	
	(Pit 137C - Fit 1378) [CH.CBD+CD to CH.CB.2+46) in Soll (246m; Sm/day)								
	Remove setup including thrust wall at Pit 137C	Edward	8 Jul 21 14 Jul 21	HE Working Day 523	625	0%	NA	NA	
		6 days	15 Jul 21 21 Jul 21		627	0%	NA	NA	
	DN1200 MS Pipe Leying inside jacking pipe (246m) (3 days per 8m)		27 Aug '21 16 Dec '21		628	0%	NA	NA	
	uays per em) NS250 HDPE Pipe Laying incide Jacking pipe (246m) (8m per day)	31 days	22 Jul '21 26 Aug '21	HK Working Day 625	626	0%	NA	NA	
	Formwork & Setup for Grouting the gap between	3 days	17 Dec '21 20 Dec '21	HK Working Day 626	629	0%	NA	NA	
	pipe and Sleeve	11.60	21 Dec '21 7 Jan '22	Weather D	630	0%	NA	NO	
	Grouting Works (20 meter/day) Construction of Combined Inspection and Weshowt	13 days 60 days	21 Dec '21 7 Jan '22 8 Jan '22 22 Mar '22		632,631	0%	NA	NA	
	Chamber (Type II) at Pit 137C								
	Pipe Connection Inside Pit 137C Pipe Laying (HB, BVB, Short Pipe), Thrust Block &	6 days	23 Mar '22 29 Mar '22 23 Mar '22 23 Apr '22		633	0% 0%	NA	NA	
	backfilling inside Pit 137C	Ye mays	25 Miler 22 23 April 22	HE WORKING CAY GIV	000	one.	10		
	Remove FLS and Remove FLS and Extract Sheetpile at Pit 137C	t 12 days	25 Apr '22 10 May '22	t HK Working Day 632		0%	NA	NA	
Fir	al Connection of NSZ50 HDPE Pipe to Existing at Ware P		17 Jun '22 4 Jul '22			0%	NA	NA	
DNL	00 MS Play: Static R essure Test, Pipe ine G saring, Inspection, Sterilization and Water Sampling	2058 deys	7.Nov'17 16 Jun'23	Cilensar Day		0.5	IIA	Tels	
		838 days	1 Nov '20 16 Feb '23			0%	NA	NA	
	DN1200 MS Pipe - Static Pressure Test From DN300 Valve Chamber at CH.CA4+24 to CH.CT.2+65	30 days	1 Nov '20 30 Nov '20	Calendar Day		0%	NA	NA	
	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at CH.CA4+24 to DN900 Valve Chamber at Wan Po Bool (CH. A12+50)	30 days	16 Sep '22 35 Oct '22	Calendar Day 71,593	646	0%	NA	NA	
	DN1200 MS Pipe - Static Pressure Test From DN900 Valve Chamber at Wan Po Road (CH. A12+50) to DN900 Valve Chamber at TKO Landfill Stage I Area A (CH. F11+66)	30 cays	22 Sep '22 21 Oct '22	Calendar Day 132,234	647	0%	NA	NA	
	DN1200 MS Pipe - Static Pressure Test From DN900 Velve Cherrber at TKO Landfill Stage I Area A (CH.	30 days	9 Mar '22 7 Apr '22	Calendar Day 230,298	648	0%	NA	NA	
	FB1+66) to DN900 Valve Chamber at TKO Landfill Stage Area B (CH. FC 13+26)								
	DN1200 MS Pipe - Static Pressure Test From DN900	30 days	19 Nov '22 18 Dec '22	Calendar Day 282	642.649	0%	NA	NA	
	Valve Chamber at TKO Landfill Stage I Area 8 (CH. FC13+26) to DN900 Valve Chamber at CH. FD3+43	- Sault			01000				
	DN1210 MS Hipe - Static Pressure Test From DN900 Velve Chamber at CH /D 3+43 to DN900 Valve Chambe	30 days	19 Dec '22 17 Jan '23	Colemdar Day 343,347,428	,452650,643	0%	NA	NA	
	at Mau Wu Tsai (CH. HA6+45)								
	DN1200 MS Pipe - Static Pressure Test From DR900 Valve at Mau Wu Tsai (CH.H/K645) to DN800 DMF & B' Chamber at TKO F.W.S.R.(CH. HE1+70)	30 days V	18 Jan '23 16 Feb '23	Calendar Day 510,513,534	,535 651	0%	NA	NA	
	peline Cleaning and CCTV inspection	2018 days	7 Nov'17 17 May'2	3 Calendar Day	653FF+30	C%	NA	NA	
	DN 1200 M5 Pipe - Pipeline Cleaning and CCTV Inspection From DX900 Value Chamber at CH.GA4+24 1 CH.CT.2+65	90 days to	7 Nov 17 4 Feb 18	Calendar Day		0%	NA	NA	
	DN1200 MS Pipe - Hipeline Cleaning and CCTV Inspection From DN900 Valve Chamber at CH.CA4+24 (DN900 Valve Chamber at Wan Po Road (CH. A12+50)	90 days to	16 Oct '22 13 Jan '23	Calendar Day 638		0%	NA	NA	
ching Pross	emma Ko. 11 Tol. Nov 2020 Xgla	Micoure	• Preist	(Seresco 1 1	leactive Miliesture Nactive Samary	4	Meni Iai		Mandlemen kild — Bacely (Benel Tala Dadr & Okal Spie



	en; Dura	ation	Stat Finid	Task Chiradar	Piedermore	SEXDOCS	st Complete Acta	é Statt Actual	d Firlah	2016				20				13	2.30			2011				2173			2025				12304	_
	DN1200 M5 Pipe - Pipeline Creaning and CCTV 90 o	days	22 Oct '22 19 Jan'				0%	NA	.200 Nov	Des Jag Pet	Ma Art.	No An M	A4 50 0	1 Mary Dec M	1.209 Qa 1.60 Na Aa	t Mar Jan D	01.2009 Q	kr N/v Dec J	Gel.200 C Jan. Feb Mar A	er Maj Jan Ja	A Ag Sep Oa	V200 Or L. Nev Dec Jan J	2021 Qi 2, 20 No Mar Agr Ma	In Al Aug	Qu 4 2.21 Sep Oct Nov De	Qu1.212 0	3: 2, 2023 Oc Ap May Jun M	3.202 Qu 4 Aug Sep Cor	Sold Quil.2 Nov Dec Jan Fe	123 Qu 2, 303 9 Mie Apr Mig	D Qc 3. 2021	Qr 4, 2225 lep Cut Nos Dec	Or 1.201 O Jan Feb Mar A	12,2021 (* Mar.)
	UNIQUO INS Pipe - Pipenne Ceaning and CUV - 39 6 Inspection From DN900 Valve Chamber at Wan Po Road (CHL A12450) to DN900 Valve Chamber at TKO Landfill Stage I Area A (CHL FB1+66)	anys	22 OCC 22 19 Jan	23 Calendar Da	7 639		0%	NA	NA.																									
	DN1200 M5 Pipe - Pipeline Cosming and CCTV 99 v Inspection From DN900 Valve Chamber at TXO Landfill Stage I Area A (CH. 161-66) to DN900 Valve Chamber at TXO Landfill Stage I Area B (Ch. FC 13+25)	days	8 Ayr '22 6 Jul '2'	2 Calendar Da	, 640		0%	NA	NA																									
	DN1200 M5 Pipe - Pipeline Cleaning and CCTV 90 d Inspection From DN000 Valve Chamber at TKO LandRi Stage I Area B (CH. FC13+26) to DM000 Valve Chamber II: CH.FO3+43	days	19 Dec '22 18 Mar	r '23 Calendar Da	641		0%	NA	NA																				-					
	DN1200 MS Pipe - Pipeline Ceaning and CCIV 98 (Inspection From DN900 Valve Chamber at CHFD3+43 to DN900 Valve Chamber at Max Wu Tsal (CH, H06+45)	days	18 Jan '23 17 Apr	'23 Calendar Da	642		0%	NA	NA																				-	-				
	DN1200 MS Pipe - Pipeline Cleaning and CCTV 90 (Inspection From DN300 Valve at Max Wu "Sai (CH,M6445) to D1800 EMF & BV Chamber at TEO F.W.S.R.(CH,HE1+70)	days	17 Feb '23 17 May	y '23 Calendar Da	643		0%	NA	NA																									
	Sterilization and Water Sampling 150	0 days	18 Jan '23 16 Jun	'23 Calendar Da	Y		0%	NA	NA																	118			-		-			
05	DN1200 MS Pipe - Portion I & Portion H (Total Water = 150 9700 cu.m)		18 Jan '23 16 Jun	'23 Calendar Da	664FF+30	days 661	0%	NA	NA.																	_			-		-			
**	BOD In S Pipe Static Press re Test. Filebine Cleaning. 35 : Of inspection, Starlighter and Water Sampling		353141'22 28 Apr.			ana seta		ana																										
	DNS00 MS Fipe - Static Pressure Test From DN800 EMF $B_{\rm c}$ 16 or BY Chamber at TKO F, W.S.R.(CH. HE1+70) to CH. JD+57 and to DN800 EMF & BV Chamber (CH. HE1+30)	days	18 Mar '22 31 Mar	r '22 - Calendar Da	y 567,568,5	r0 656	0%	NA	NA																	-								
1 3	DNB05 MS Flipe - Flipeline Clearing and CCTV Inspection 14 0 From DNB05 EMF & BV Chamber at TKO F.W.S.R.(OH. FE11r21) Oct. Ju-57 and to DN800 EMF & BV Chamber (CH. HE1+90)	days	1 Apr '22 14 Apr	22 Calendar Da	y 655	657	0%	NA	NA																									
1 3	DN800 MS Hipe - StoriRzation and Water Sampling From 7 ds DN800 EMF & 3V Chamber et TKO F.W.S.B.(CH, HEL+70) to CH, 20:57 and to DN800 EMF & BV Chamber (CH.HEL+90)	lays	15 Apr '22 21 Apr	22 Calendar Da	y 656		0%	NA	NA																		•							
1 10	250 HDPC Hipe Static Resistore, Pipeling Cleaning, CCTV - 35 a pocture, Steplication and Walter Surepling	deye	11 h7sy 22 9 Juni	22 Calendar Co	Y		016	NA	15.05																		-							
1.000	pocture, Steril values and Mater Surepling NS250 HDPE Pipe - Stalle Pressure Test - Portion H (Area 30 o		11 May '22 9 Jun '2	and the second se		642	0%	NA																										
	rdover Periton 1 and Portion H to WSP Region 30	y days	10.Jan 22 24.Jur	124 Calendar Da	y 533		07	NA	NR																		_				_			
	DN1200 MS Pipe - Portion I & Fortion H (Area 137) 7 da		17 Jun '23 23 Jun				0%	NA	NA																						1			
3	NS250 HDPE Pipe - Portion H (Ares 137) 7 di		10 Jun '22 16 Jun 16 Nov '18 11 May			634	0%	NA	NA																									
Un	ator Supply to Trening Kwan O Devaluation Plast at Hill 141 nk of Tseung Kwan O Arco 137 (Portion J)			Y IN IN WALKING					100							•																		
•	Issue of CE No. 02 0 di		16 Nov '18 16 Nov			635		Nov '18 16						+ 16/11																				
5	Installation of NS750 HOPF Fine from 4 to 8 in eccardance 83		17 Nov '18 3 Jan '3 4 Jan '19 25 Apr			656		Nov '18 3 4 Jan '19 25																										
	with the Drawing No. 13/WSD/16/SK13 to 5K15 and W20203/4A																																	
2	Sterilization and Flushing NS250 HDPE Pipe (From TO+00 to 4 di T23+64)	lays	24 Apr 19 28 Apr	'19 HK Working	Day	658	100% 2	1 Apr '19 28	8 Apr '19							• • • • • • • • • • • • • • • • • • •																		
	Take Water Sampling 1 di	lay	29 Apr '19 29 Apr	19 HK Working	Day 667	659	100% 2	Apr 19 29	9 Apr '19							1																		
	Backfill at T28+64 after completion of Water Sampling Test 1 d Handover Portion J to WSD Region 0 d		11 May '19 11 May 11 May '19 11 May			67017		May '19 11								1 + 115																		



Appendix B

Overview of Mainlaying in Tseung Kwan O



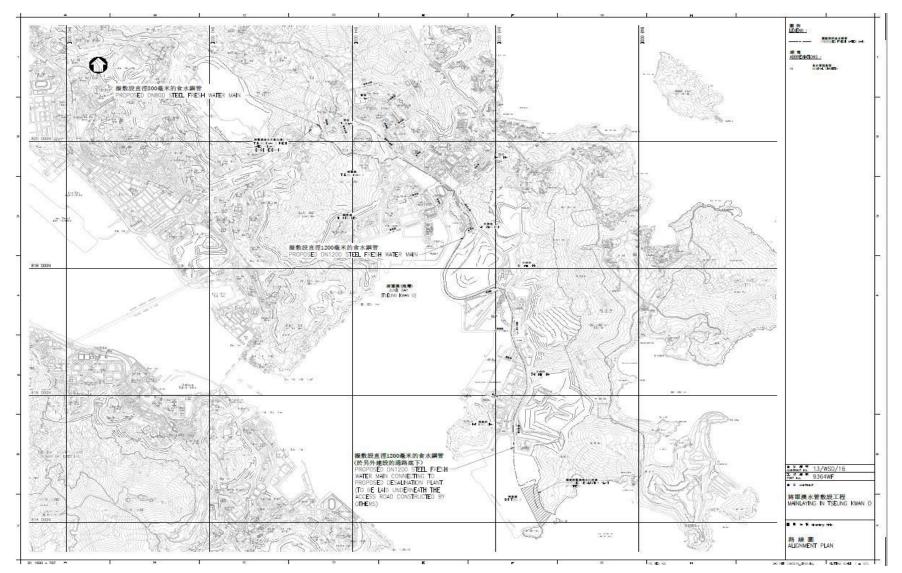


Figure B1. Overview of Mainlaying in TKO



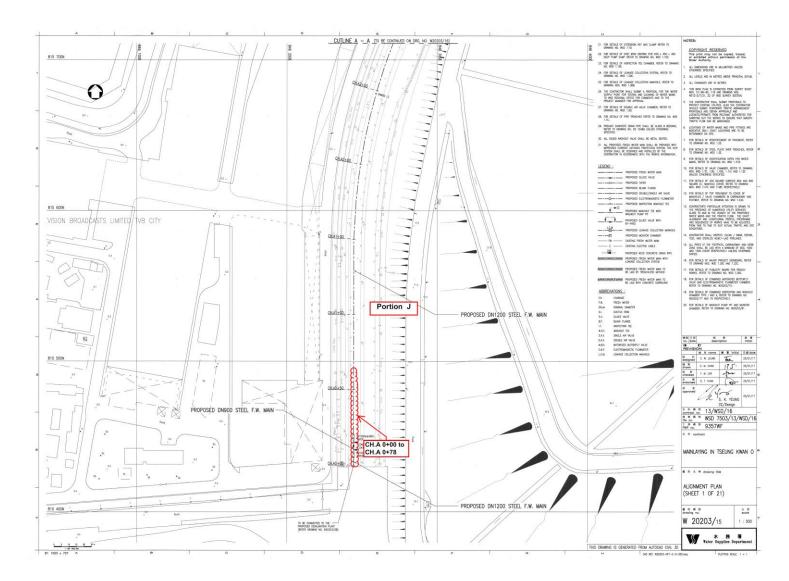


Figure B2. Location Plan for Portion J - CH.A 0+00 to CH.A 0+78



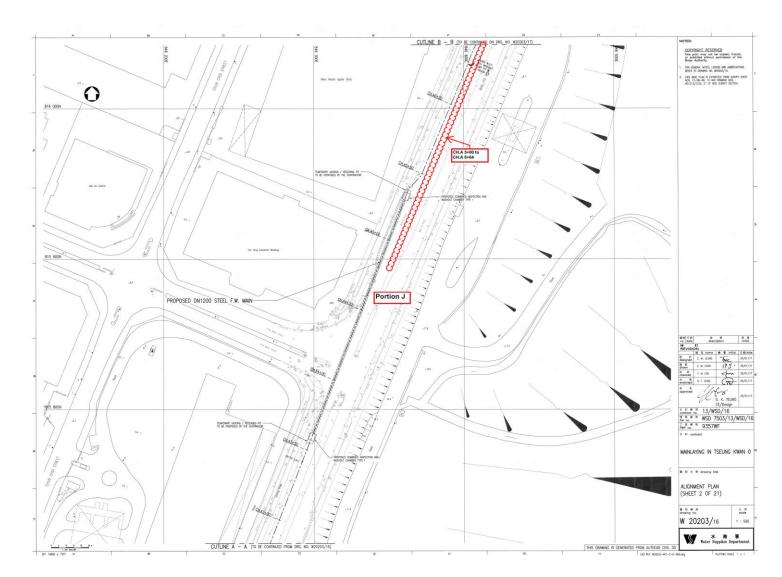


Figure B3a. Location Plan for Portion J - CH.A 5+00 to CH.A 6+64



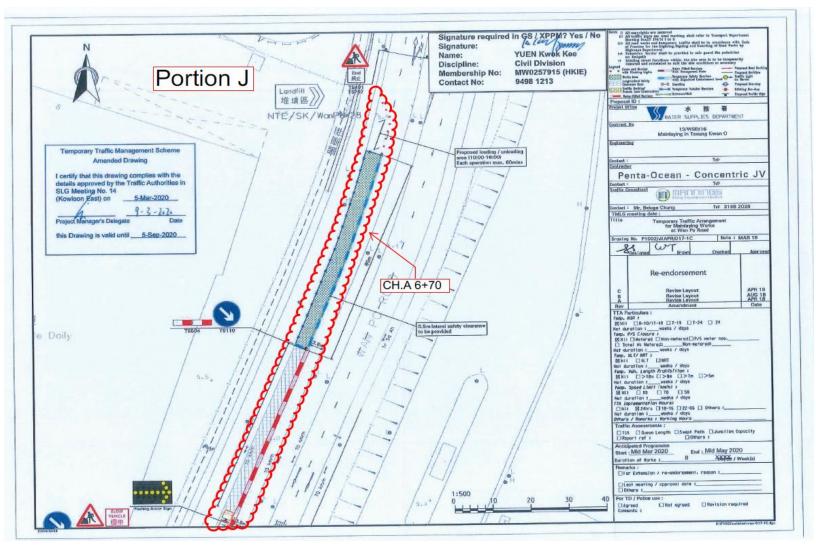


Figure B3b(i). Location Plan for Portion J - CH.A 6+70



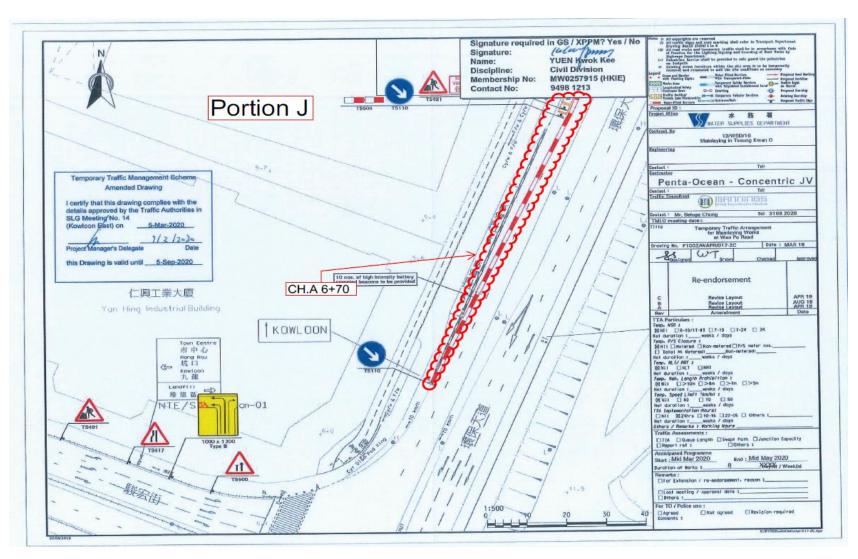


Figure B3b(ii). Location Plan for Portion J - CH.A 6+70



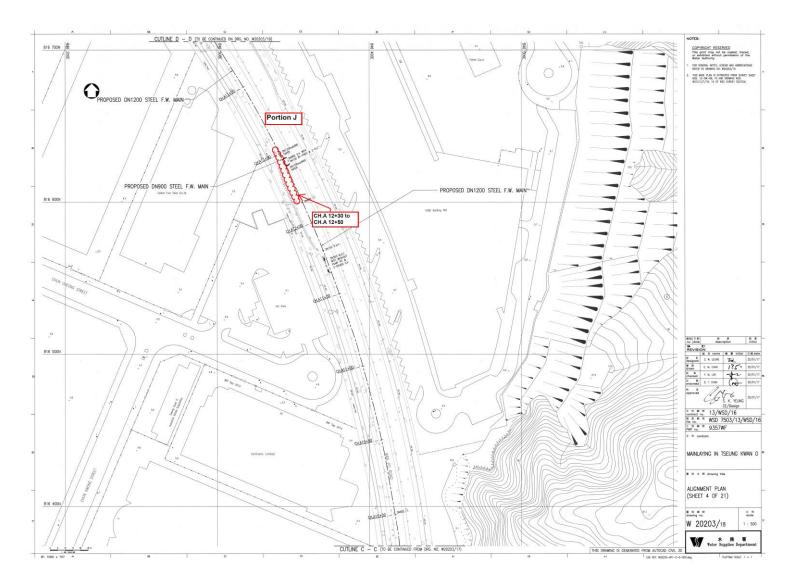


Figure B4. Location Plan for Portion J - CH.A 12+30 to CH.A 12+50



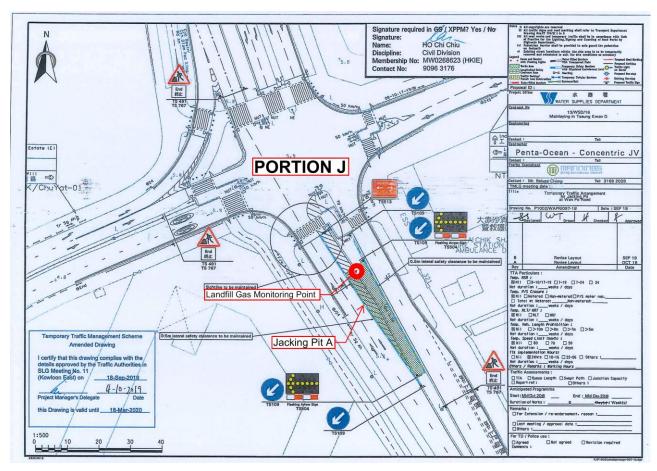


Figure B5. Location Plan for Portion J – CH. A13+50 to CH.A 14+00 (Pit A)



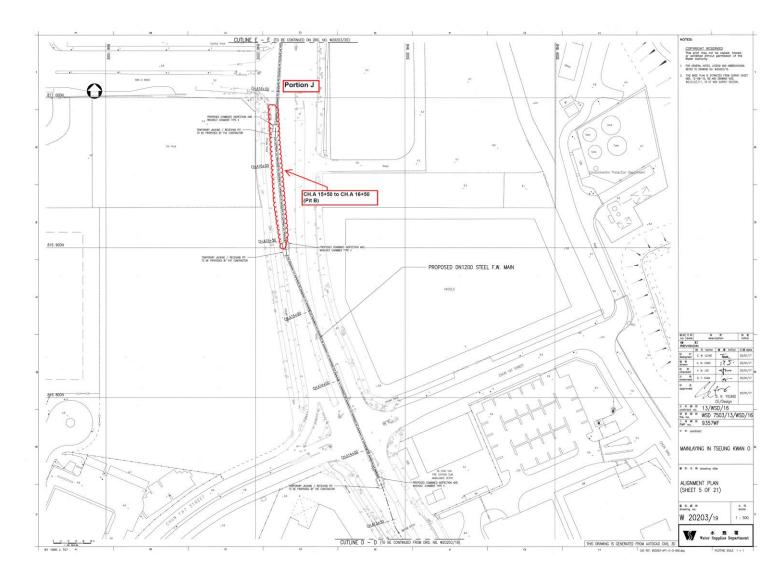


Figure B6. Location Plan for Portion J – CH. A15+50 to CH.A 16+50 (Pit B)





Figure B7. Location Plan for Portion J – CH.A 19+15 to CH.A 19+50 (Pit C)



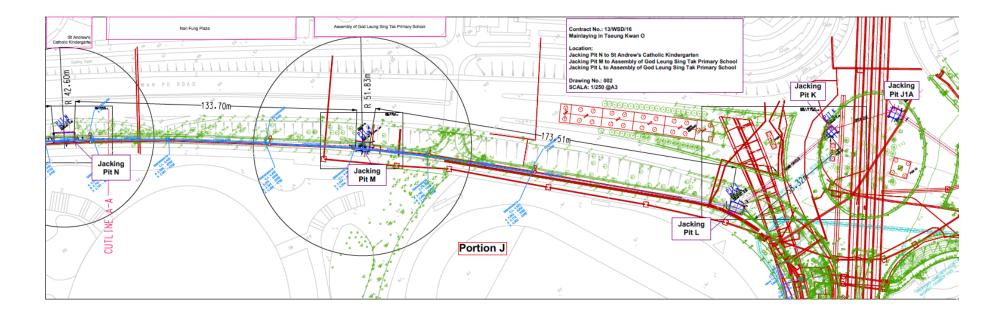


Figure B8a. Location Plan for Portion J – Pit L-M-N, K, J1A





Figure B8b. Location Plan for Portion J – Pit N-O-P



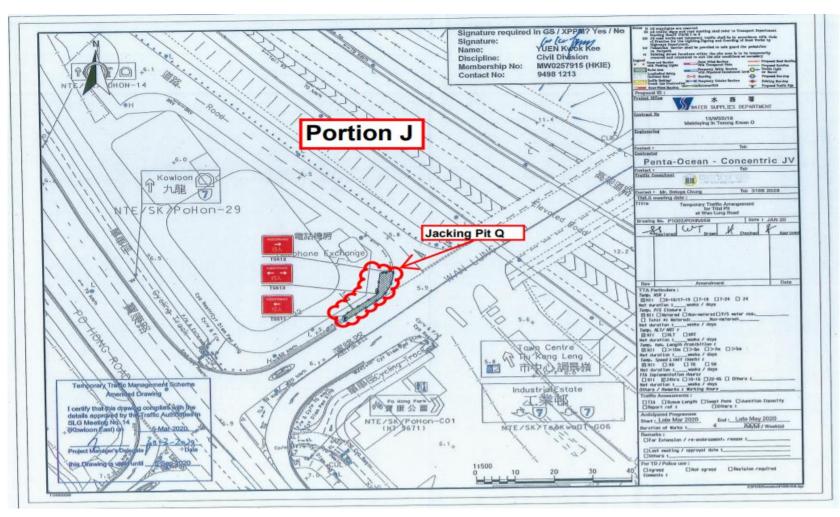


Figure B8c. Location Plan for Portion J – Pit Q



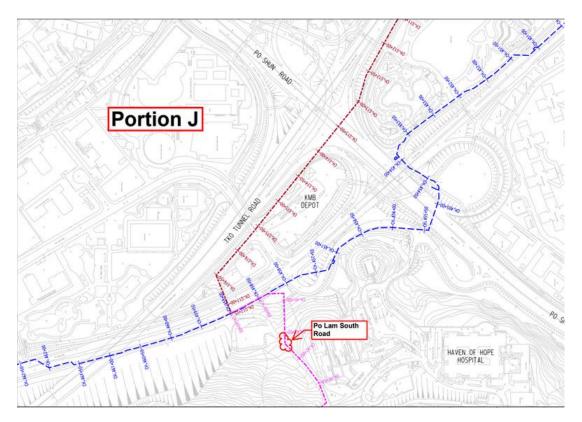


Figure B9a. Location Plan for Mau Wu Tsai 1

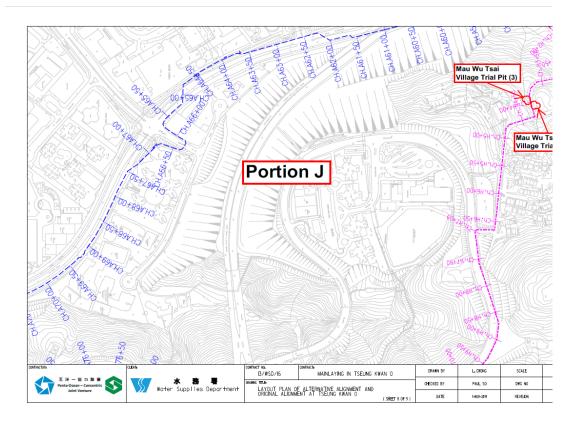


Figure B9b. Location Plan for Mau Wu Tsai 2 & 3



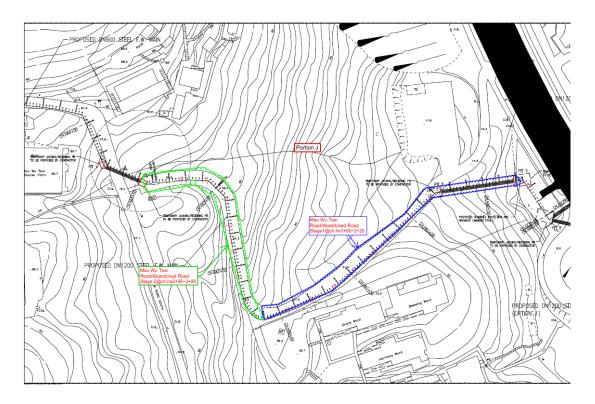


Figure B9c. Abandoned Mau Wu Tsai Road

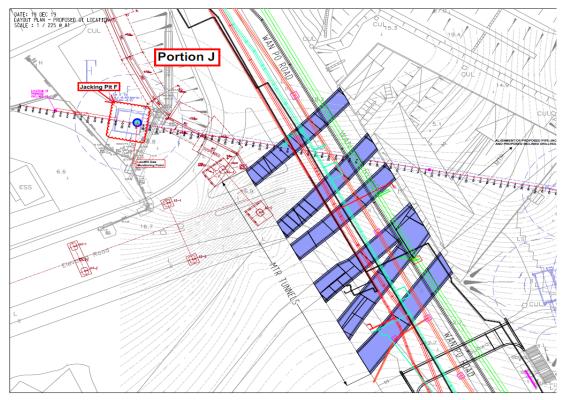


Figure B10. Location Plan for Jacking Pit F



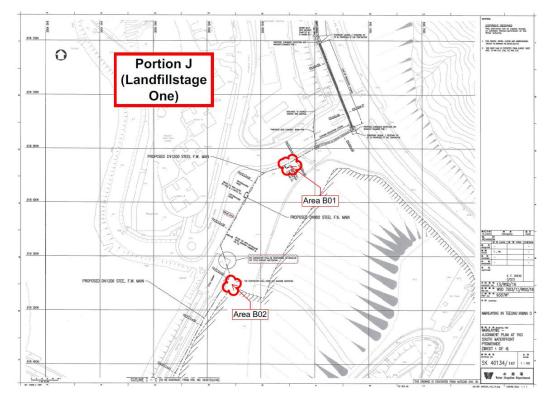


Figure B11a. Location Plan – Landfill Stage 1 (Area B01-B02)

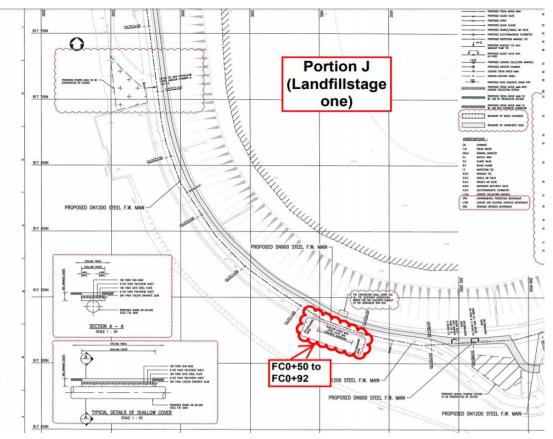


Figure B11b. Location Plan – Landfill Stage 1 (Area FC0+50 -FC0+92)



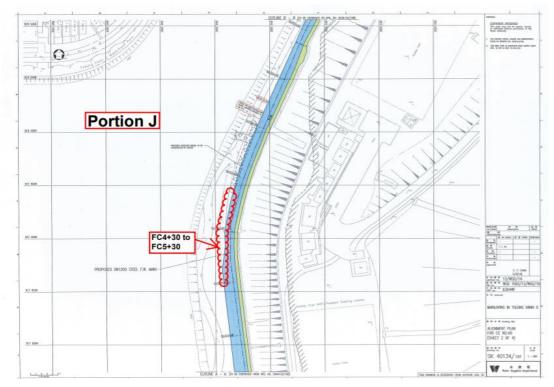


Figure B11c. Location Plan – Landfill Stage 1 (Area FC4+30 -FC5+30)



Figure B12. Monitoring Location – Po Lam South Road



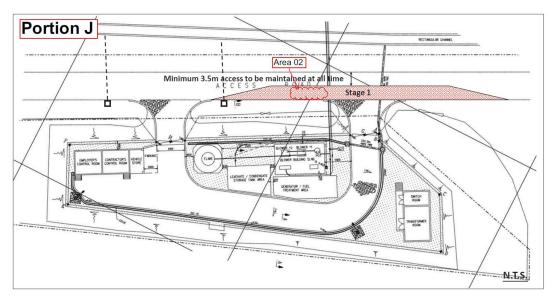
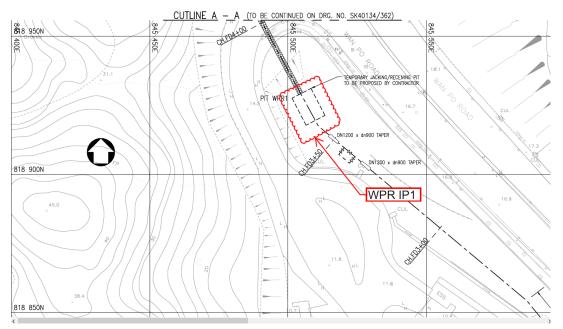


Figure B13. Monitoring Location – Area A02







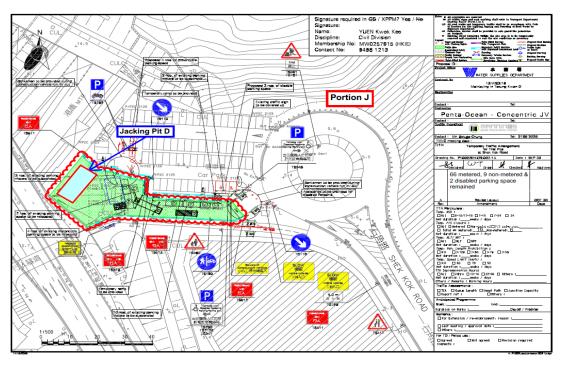


Figure B15. Location Plan for Jacking Pit D

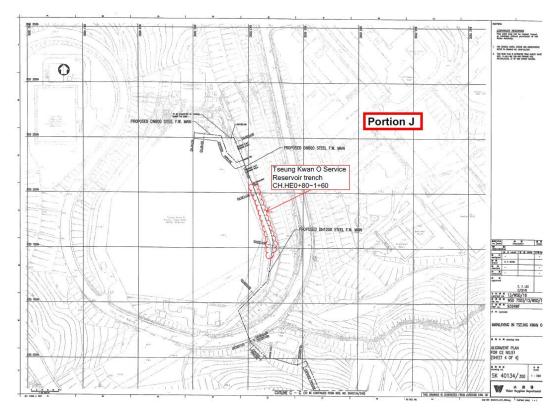


Figure B16. Location Plan for CH.HE0+80-1+60



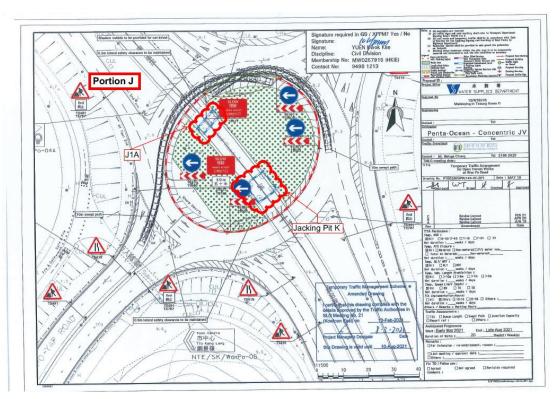


Figure B17. Location Plan for Pit K

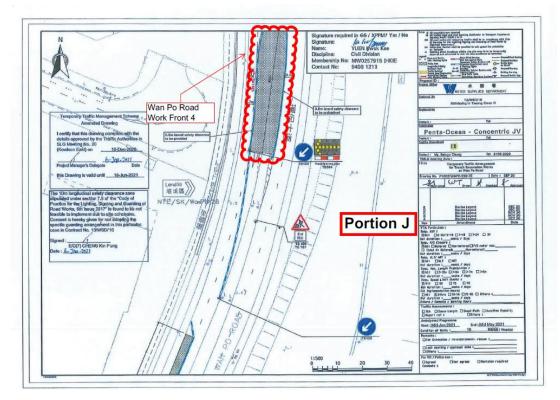


Figure B18a. Location Plan for Wan Po Road 4



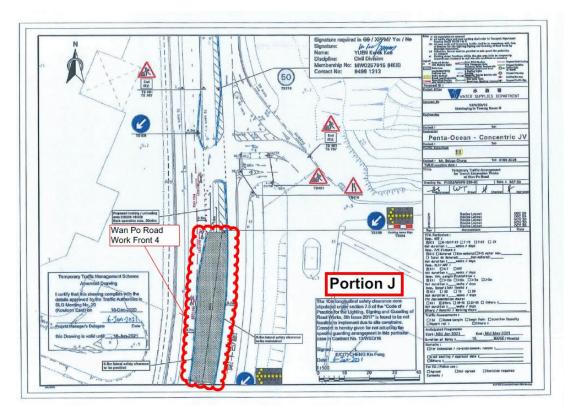


Figure B18b. Location Plan for Wan Po Road 4

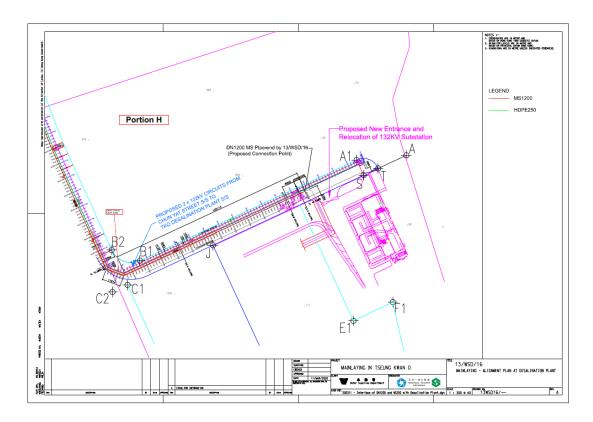


Figure B19a. Location Plan for CH.CT 0+07 – 2+58



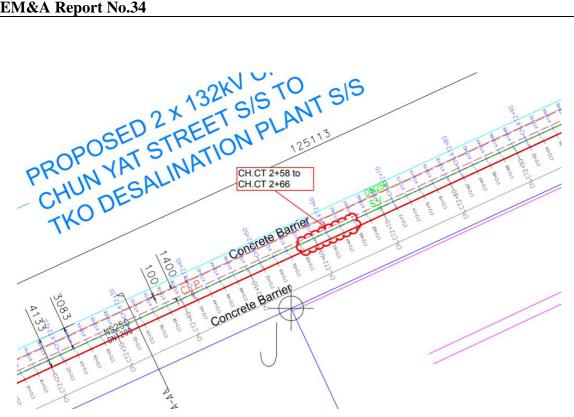


Figure B19b. Location Plan for CH.CT 2+58 – 2+66



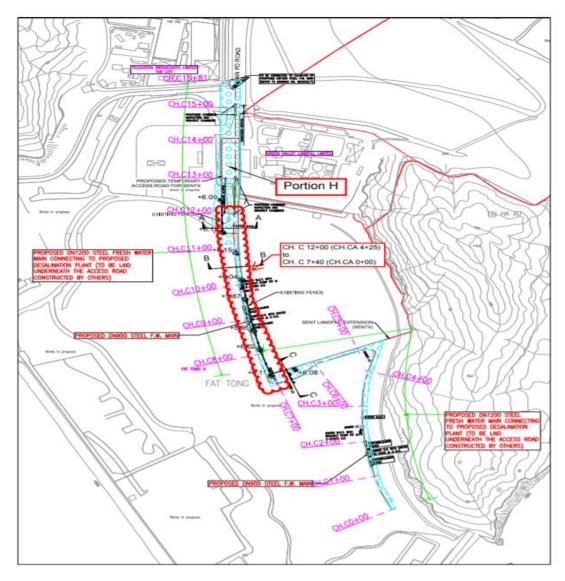


Figure B20. Location Plan for Portion H– CH.C 7+40~CH.C 12+00 (CH.CA 0+00 ~ CH.CA4+25)



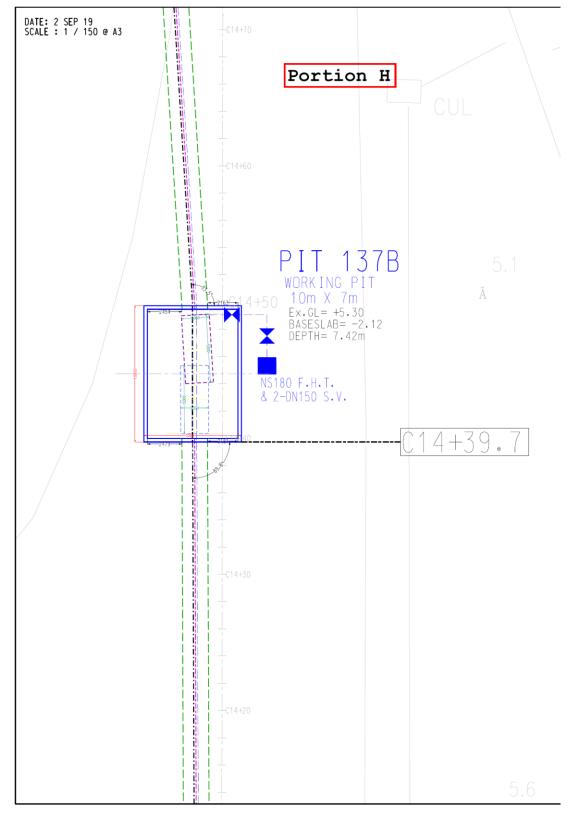
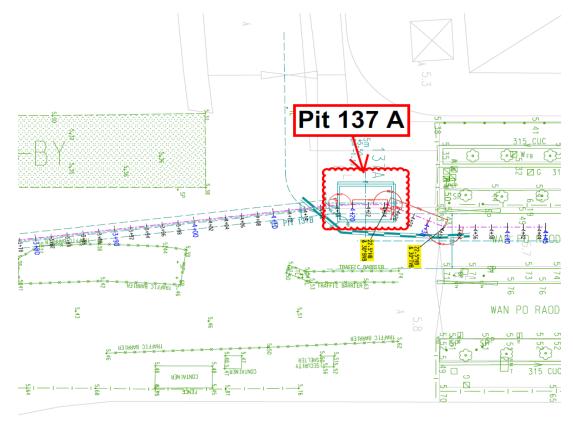


Figure B21a. Location Plan for Portion H– Pit 137B







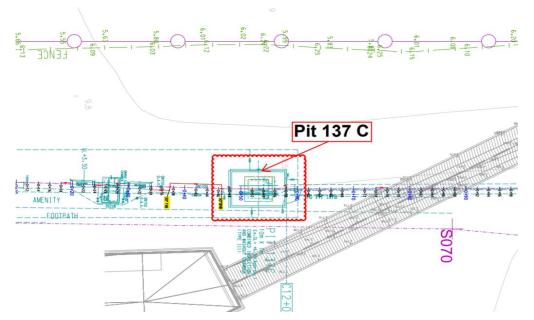


Figure B21c. Location Plan for Portion H– Pit 137C



Appendix C

Mitigation

Summary of Implementation Status of Environmental



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures	Implementation	Impler Stage		ion	Implementation	Relevant Legislation & Guidelines
LIA Nelelence	Measures/ Mitigation Measures	& main concerns to address	Agent	D	С	0	status	
Air Quality			•	•				
S4.8.1	Impervious dust screen or sheeting will be provided to enclose scaffolding from the ground floor level of building for construction of superstructure of the new buildings.	Land site/ During Construction	Contractor(s)		√		N/A	Air Pollution Control (Construction Dust)
S4.8.1	Impervious sheet will be provided for skip hoist for material transport.	Land site/ During Construction, particularly dry season	Contractor(s)		~		NA	
S4.8.1	The area where dusty work takes place should be sprayed with water or a dust suppression chemical immediately prior to, during and immediately after dusty activities as far as practicable.	Land site/ During Construction	Contractor(s)		-		Implemented	
S4.8.1	All dusty materials should be sprayed with water or a dust suppression chemical immediately prior to any loading, unloading or transfer operation.	Land site/ During Construction	Contractor(s)		-		Implemented	
S4.8.1	Dropping heights for excavated materials should be controlled to a practical height to minimize the fugitive dust arising from unloading.	Land site/ During Construction	Contractor(s)		•		Implemented	
S4.8.1	During transportation by truck, materials should not be loaded to a level higher than the side and tail boards, and should be dampened or covered before transport.	Land site/ During Construction	Contractor(s)		-		Implemented	
S4.8.1	Wheel washing device should be provided at the exits of the work sites. Immediately before leaving a construction site, every vehicle shall be washed to remove any dusty material from its body and wheels as far as practicable.	Land site/ During Construction	Contractor(s)		-		N/A	



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures	Implementation	Imple Stage	mentat	ion	Implementation	
EIA Reference	Measures/ Mitigation Measures	& main concerns to address	Agent	D	С	0	status	
S4.8.1	Road sections between vehicle-wash areas and vehicular entrance will be paved.	Land site/ During Construction	Contractor(s)		~		N/A	
S4.8.1	Hoarding of not less than 2.4m high from ground level will be provided along the length of the Project Site boundary.	Land site/ During construction	Contractor(s)	•	•		N/A	
S4.8.1	Haul roads will be kept clear of dusty materials and will be sprayed with water so as to maintain the entire road surface wet at all times.	Land site/ During construction	Contractor(s)		-		Implemented	
S4.8.1	Temporary stockpiles of dusty materials will be either covered entirely by impervious sheets or sprayed with water to maintain the entire surface wet all the time.	Land site/ During construction	Contractor(s)		-		Implemented	
S4.8.1	Stockpiles of more than 20 bags of cement, dry pulverised fuel ash and dusty construction materials will be covered entirely by impervious sheeting sheltered on top and 3- sides.	Land site/ During construction	Contractor(s)		•		N/A	
S4.8.1	All exposed areas will be kept wet always to minimise dust emission.	Land site/ During construction	Contractor(s)		1		Implemented	
S4.8.1	Ultra-low-sulphur diesel (ULSD) will be used for all construction plant on-site, as defined as diesel fuel containing not more than 0.005% sulphur by weight) as stipulated in Environment, Transport and Works Bureau Technical Circular (ETWB-TC(W)) No 19/2005 on Environmental Management on Construction Sites.	Land site/ During construction/ During Operation	Contractor(s)		•	*	Implemented	Environment, Transport and Works Bureau Technical Circular (ETWB- TC(W)) No 19/2005 on Environmental Management on Construction Sites



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures	Implementation	Implen Stage	nentat	ion	Implementation	Relevant Legislation & Guidelines
	Measures/ Mitigation Measures	& main concerns to address	Agent	D	С	0	status	
S4.8.1	The engine of the construction equipment during idling will be switched off.	Land site/ During construction	Contractor(s)		~		Implemented	
S4.8.1	Concrete batching plant will be required on site. control measures recommended in the Guidance Note on a Best Practicable Means for Cement Works (Concrete Batching Plant) (BPM 3/2 (93)) will be implemented. The control measures recommended in the Guidance Note on a Best Practicable Means for Cement Works (Concrete Batching Plant) (BPM 3/2 (93)) will be	Land site/ During construction	Contractor(s)		•		N/A	Guidance Note on a Best
S4.8.1	Regular maintenance of construction equipment deployed on-site will be conducted to prevent black smoke emission.	Land site/ During construction	Contractor(s)		~		Implemented	
S4.10	To ensure proper implementation of the recommended dust mitigation measures and good construction site practices during the construction phase, environmental site audits on weekly basis is recommended throughout the construction period.	Land site/ During construction	Contractor(s)/ Environmenta I Team (ET) & Independent Environmenta I Checker (IEC)		~		Implemented	



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation	Imple Stage	mentat	ion	Implementation status	Relevant Legislation & Guidelines
	weasures/ witigation weasures	main concerns to address	Agent	D	С	0		Guidelines
Noise								
S5.7	Only well-maintained plant will be operated on-site and plant will be serviced regularly during the construction phase.	All area/ During construction	Contractor(s)		√		Implemented	A Practical Guide for the Reduction of Noise from Construction Works,
S5.7	Silencers or mufflers on construction equipment will be utilised and will be properly maintained during the construction phase.	Noise control/ During construction	Contractor(s)		•		N/A	A Practical Guide for the Reduction of Noise from Construction Works,
S5.7	Mobile plant, if any, will be sited as far away from NSRs as possible.	Noise control/ During construction	Contractor(s)		√		Implemented	A Practical Guide for the Reduction of Noise from Construction Works,
S5.7	Machines and plant (such as trucks) that may be in intermittent use will be shut down between work periods or will be throttled down to a minimum.	Noise control/ During construction	Contractor(s)		√		Implemented	A Practical Guide for the Reduction of Noise from Construction Works,
S5.7	Plants known to emit noise strongly in one direction will, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.	Noise control/ During construction	Contractor(s)		√		Implemented	A Practical Guide for the Reduction of Noise from Construction Works,
S5.7	Material stockpiles and other structures will be effectively utilised, wherever practicable, in screening noise from on-site construction activities.	Noise control/ During construction	Contractor(s)		•		N/A	A Practical Guide for the Reduction of Noise from Construction Works,
S5.7	Use of Quite Powered Mechanical Equipment (QPME).	Noise control/ During construction	Contractor(s)		•		Implemented	A Practical Guide for the Reduction of Noise from Construction Works,
S5.7	Movable noise barriers of 3m in height with skid footing should be used and located within a few metres of stationary plant and mobile plant such that the line of sight to the NSR is blocked by the barriers. The length of the barrier should be at least five times greater	Noise control/ During construction	Contractor(s)		•		N/A	A Practical Guide for the Reduction of Noise from Construction Works,



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation Agent	Stage	Implementation Stage		Implementation status	Relevant Legislation & Guidelines
	than its height. The noise barrier material should have a superficial surface density of at least 7 kg m ⁻² and have no openings or gaps.	main concerns to address		D	С	0		
S5.7	The noise insulating sheet should be deployed such that there would be no opening or gaps on the joints.	Noise control/ During construction	Contractor(s)		•		N/A	A Practical Guide for the Reduction of Noise from Construction Works,
S5.7	Construction activities (e.g. excavation/shoring, reinstatement (asphalt), and pipe jacking) will be planned and carried out in sequence, such that items of PME proposed for these activities will not be operated simultaneously.	Noise control/ During construction	Contractor(s)		✓		Implemented	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	PMEs will not be used at the works areas near educational institutions with residual impact (ie the "influence area" within a radius of 40m) during school hours in order to reduce impact to the educational institutions.	Noise control / During construction	Contractor(s)		✓		Implemented	A Practical Guide for the Reduction of Noise from Construction Works
S5.7	Noise enclosures or acoustic sheds would be used to cover stationary PME such as generators. Portable/Movable noise enclosure made of material with superficial surface density of at least 7 kg m ⁻² may be used for screening the noise from operation of the saw/groover, concrete.	Noise control/ Pre- construction/ During construction	Contractor(s)	·	•		N/A	
S5.9	Sawcutting pavement, breaking up of pavement, excavation /shoring, pipe laying, backfilling, reinstatement (concrete) and pipe jacking shall be scheduled outside the examination period.	Noise control/ Pre- construction/ During construction	Contractor(s)	•	√		Implemented	



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures &	Implementation Agent	Implementation Stage		ion	Implementation status	Relevant Legislation & Guidelines
	Measures/ Mitigation Measures	main concerns to address	Agem	D	С	0		Guidennes
S5.9	In view the duration of noise exceedance at Creative Secondary School, PLK Laws Foundation College, TKO Kei Tak Primary School and School of Continuing and Professional Studies-CUHK is limited to 8 weeks, the construction work in the influence areas near the four schools shall be scheduled during long school holidays (eg summer holiday, Easter holiday or Christmas holiday, etc) as far as practicable. Scheduling the construction work for the four schools.	Noise control/ Pre- construction/ During construction	Contractor(s)	*	1		Implemented	
S5.10	A noise monitoring programme shall be implemented for the construction phase.	Designated monitoring stations as defined in EM&A Manual/During construction phase	Environmental Team (ET)		•		Implemented	
S5.10	The effectiveness of on-site control measures could also be evaluated through the regular site audits.	All facilities/ During construction	Contractor(s)/ Environment al Team (ET) & Independent Environment al Checker (IEC)		*		Implemented	-



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementati on Agent	Impler Stage	nentat		Implementation status	Relevant Legislation & Dumping at Sea Ordinance (DASO) - <
	Weasures/ Willigation Weasures	main concerns to address	on Agent	D	С	0		Guidennes
Water Quality								
S6.9	Dredged marine sediment will be disposed of in a gazetted marine disposal area in accordance with marine dumping permit conditions of the Dumping at Sea Ordinance (DASO).	Marine Dredging/ During construction	Contractor(s)		•		N/A	
S6.9	Disposal vessels will be fitted with tight bottom seals in order to prevent leakage of material during transport.	Marine Dredging/ During construction	Contractor(s)		•		N/A	-
S6.9	Barges will be filled to a level, which ensures that material does not spill over during transport to the disposal site and that adequate freeboard is maintained to ensure that the decks are not washed by wave action.	Marine Dredging/ During construction	Contractor(s)		•		N/A	-
S6.9	After dredging, any excess materials will be cleaned from decks and exposed fittings before the vessel is moved from the dredging area.	Marine Dredging/ During construction	Contractor(s)		•		N/A	-
S6.9	All vessels should be well maintained and inspected before use to limit any potential discharges to the marine environment.	Marine Dredging/ During construction	Contractor(s)		~		N/A	-
S6.9	All vessels must have a clean ballast system.	Marine Dredging/ During construction	Contractor(s)		~		N/A	-
S6.9	No discharge of sewage/grey wastewater should be allowed. Waste water from potentially contaminated area on working vessels should be minimized and collected. These kinds of wastewater should be brought back to port and discharged at appropriate collection and treatment system.	Marine Dredging/ During construction	Contractor(s)		*		N/A	-
S6.9	No soil waste is allowed to be disposed overboard.	Marine Dredging/ During construction	Contractor(s)		1		N/A	-



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementati on Agent	Stage	nentat		Implementation status	Relevant Legislation & Guidelines
	Measures/ Millyalion Measures	main concerns to address	on Agent	D	С	0		
S6.9	Silt removal facilities such as silt traps or sedimentation facilities will be provided to remove silt particles from runoff to meet the requirements of the TM standard under the WPCO. The design of silt removal facilities will be based on the guidelines provided in ProPECC PN 1/94. All drainage facilities and erosion and sediment control structures will be inspected on a regular basis and maintained to confirm proper and efficient operation at all times and particularly during rainstorms.	Land site & drainage/ During construction	Contractor(s)		1		Implemented, rectified after reminder	ProPECC PN 1/94 TM Standard under the WPCC
S6.9	Deposited silt and grit will be removed regularly. Earthworks to form the final surfaces will be followed up with surface protection and drainage works to prevent erosion caused by rainstorms.	Land site & drainage/ During construction	Contractor(s)		•		Implemented	-
S6.9	Appropriate surface drainage will be designed and provided where necessary.	Land site & drainage/ During construction	Contractor(s)		1		Implemented	-
S6.9	The precautions to be taken at any time of year when rainstorms are likely together with the actions to be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarised in Appendix A2 of ProPECC PN 1/94.	Land site & drainage/ During construction	Contractor(s)		×		Implemented	ProPECC PN 1/94
S6.9	Oil interceptors will be provided in the drainage system where necessary and regularly emptied to prevent the release of oil and grease into the storm water drainage system after accidental spillages.	Land site & drainage/ During construction	Contractor(s)		•		N/A	-
S6.9	Temporary and permanent drainage pipes and culverts provided to facilitate runoff discharge, if any, will be adequately designed for the controlled release of storm flows.	Land site & drainage/ During construction	Contractor(s)		•		N/A	-



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementati on Agent	Impler Stage	nentat	ion	Implementation status	Relevant Legislation & Guidelines
	weasures/ witigation weasures	main concerns to address	on Agent	D	С	0		Guidennes
S6.9	The temporary diverted drainage, if any, will be reinstated to the original condition when the construction work has finished or when the temporary diversion is no longer required.	Land site & drainage/ During construction	Contractor(s)		•		N/A	-
S6.9	Appropriate numbers of portable toilets shall be provided by a licensed contractor to serve the construction workers over the construction site to prevent direct disposal of sewage into the water environment.	Land site & drainage/ During construction	Contractor(s)		•		Implemented	-
S6.9 and S6.12	The sterilization water should be dechlorinated with total residual chlorine (TRC) level below 1 mg/L before discharge to public sewer. In situ testing of TRC should also be conducted for the discharge of chlorinated water for pipeline disinfection to ensure sufficient dechlorination before discharge to public sewer.	Sterilization of water mains prior to commissioning	Contractor(s)		-	•	N/A	Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems Inland and Coastal Waters
S6.9	The cleaning and flushing water should also be treated and desilted to the relevant discharge requirement stipulated in TM-DSS before discharging.	Sterilization of water mains prior to commissioning	Contractor(s)		•	-	N/A	Technical Memorandum for Effluents Discharged into Drainage and Sewerage Systems Inland and Coastal Waters
S6.9	Site drainage should be well maintained and good construction practices should be observed to ensure that oil, fuels, solvents and other chemicals are managed, stored and handled properly and do not enter the nearby water streams.	Land site & drainage/ During construction/ During operation	Contractor(s)		•	v	Implemented, rectified after observation	-



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementati	Impler Stage	nentati	on	Implementation status	Relevant Legislation & Guidelines
	weasures/ willigation weasures	main concerns to address	on Agent	D	С	0		Guidennes
S6.12	Regular site inspections will be carried out in order to confirm that regulatory requirements are being met and that contractors are implementing the standard site practice and mitigation measures as proposed to reduce potential impacts to water quality.	During construction	Contractor(s)/ Environment al Team (ET) & Independent Environment al Checker (IEC)		~		Implemented	-



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures &	Implementation	Imple Stage	mentat	ion	Implementation Status	Relevant Legislation &
	Measures/ Mitigation Measures	main concerns to address	Agent	D	С	0	_	Guidelines
Waste Manage	ement							
S8.5	Nomination of approved personnel to be responsible for standard site practices, arrangements for collection and effective disposal to an appropriate facility of all wastes generated at the site.	Contract mobilisation/ During construction	Contractor(s)		√		Implemented	-
\$8.5	Training of site personnel in proper waste management and chemical handling procedures. Training will be provided to workers on the concepts of site cleanliness and appropriate waste management procedures, including waste reduction, reuse and recycling at the beginning of the construction works.	Contract mobilisation/ During construction	Contractor(s)				Implemented	-
S8.5	Provision of sufficient waste disposal points and regular collection for disposal.	All area/ During construction/ During operation	Contractor(s)		•	-	Implemented, reminder issued	DEVB TC(W) No. 8/2010 Enhanced Specification for Site Cleanliness and Tidiness.
S8.5	Appropriate measures to reduce windblown litter and dust transportation of waste by either covering trucks or by transporting wastes in enclosed containers.	All area/ During construction	Contractor(s)		•		Implemented	DEVB TC(W) No. 8/2010 Enhanced Specification for Site Cleanliness and Tidiness.
S8.5	A waste management plan (WMP) as stated in the "ETWB TC(W) No. 19/2005, Environmental Management on Construction Sites" for the amount of waste generated, recycled and disposed of (including the disposal sites) will be established and implemented during the construction phase as part of the Environmental Management Plan (EMP). The Contractor will be required to prepare the EMP and submits it to the Architect/ Engineer under the Contract for approval prior to implementation.	All area/ During construction	Contractor(s)		×		Implemented	ETWB TC(W) No. 19/2005, Environmental Management on Construction Sites
S8.5	Separation of chemical wastes for special handling and appropriate treatment at the Chemical Waste Treatment Centre at Tsing Yi.	All area/ During construction	Contractor(s)		~		Implemented	Chapters 2 & 3 Code of Practice on the Packagi Labelling & Storage of



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures &	Implementation	Imple Stage	mentat	ion	Implementation Status	Relevant Legislation &
	Measures/ Mitigation Measures	main concerns to address	Agent	D	C	0		Guidelines
								Chemical Wastes published under the Waste Disposal Ordinand (Cap 354), Section 35
S8.5	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.	Land site/ During construction	Contractor(s)		✓		Implemented, rectified after reminder	Waste Disposal Ordinance (Cap 354)
S8.5	A recording system for the amount of wastes generated/ recycled and disposal sites. The trip- ticket system will be included as one of the contractual requirements and implemented by the contractor(s).	Land site/ During construction	Contractor(s)		•		Implemented	DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials
S8.5	Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of material and their proper disposal.	Land site/ During construction/ During operation	Contractor(s)		√		Implemented	WBTC 32/92, The Use of Tropical Hard Wood on Construction Site
S8.5	Encourage collection of aluminium cans and waste paper by individual collectors during construction with separate labelled bins provided to segregate these wastes from other general refuse by the workforce.	Land site/ During construction	Contractor(s)		•		Implemented	ETWB TCW No. 33/2002, Management of Construction and Demolition Material Including Rock
S8.5	Any unused chemicals and those with remaining functional capacity will be recycled as far as possible.	Land site/ During construction	Contractor(s)		-		N/A	-
S8.5	Use of reusable non-timber formwork to reduce the amount of C&D materials.	All areas/ During construction	Contractor(s)		~		N/A	WBTC 32/92, The Use of Tropical Hard Wood on Construction Site
S8.5	Prior to disposal of construction waste, wood, steel and other metals will be separated to the extent practical, for re-use and/or recycling to reduce the quantity of waste to be disposed of to landfill.	All areas/ During construction	Contractor(s)		•		Implemented	DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials
S8.5	Proper storage and site practices to reduce the potential for damage or contamination of construction materials.	All areas/ During construction	Contractor(s)		~		Implemented, rectified after observation	-



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures &	Implementation	Imple Stage	mentat	ion	Implementation Status	Relevant Legislation & Guidelines
		main concerns to address	Agent	D	С	0		
S8.5	Plan and stock construction materials carefully to reduce amount of waste generated and avoid unnecessary generation of waste.	All areas/ During construction	Contractor(s)		√		Implemented	-
S8.5	A Sediment Quality Report (SQR) for sampling and chemical testing of the sediment will be prepared and submitted to the EPD for approval. The approved detailed sampling and chemical testing will be carried out prior to the commencement of the dredging activities to confirm the sediment disposal method.	Marine works/ During construction	Contractor(s)		•		N/A	ETWB TC(W) No. 34/2002 and Dumping at Sea Ordinance (DASO)
S8.5	The management of dredged/ excavated sediment management requirement from <i>ETWB TC(W) No.</i> <i>34/2002</i> will be incorporated in the Specification of the Contract Documents.	Marine works/ During construction	WSD/ Contractor(s)		•		Implemented	ETWB TC(W) No. 34/2002 and Dumping at Sea Ordinance (DASO)
S8.5	The contractor will open a billing account with EPD in accordance with the Waste Disposal (Charges for Disposal of Construction Waste) Regulation for the payment of disposal charges.	Contract mobilisation/ During construction	Contractor(s)		~		Implemented	Cap 354N Waste Disposal (Charges for Disposal of Construction Waste) Regulation
S8.5	A trip-ticket system will be established in accordance with DEVB TC(W) No. 6/2010 to monitor the reuse of surplus excavated materials off-site and disposal of construction waste and general refuse at transfer facilities/ landfills, and to control fly-tipping.	Contract mobilisation/ During construction	Contractor(s)				Implemented	DEVB TC(W) No. 6/2010, Trip Ticket System for Disposal of Construction & Demolition Materials
\$8.5	The project proponent will also conduct regular inspection of the waste management measures implemented on site as described in the Waste Management Plan.	All area/ During construction	Contractor(s)/ Environmen tal Team (ET) & Independent Environmen tal Checker (IEC)		•		Implemented	ETWB TC(W) No. 19/2005, Environmental Management on Construction Sites



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation Agent	Implementation Stage			Implementation Status	Relevant Legislation & Guidelines
		main concerns to address	Agent	D	С	0		Guidennes
S8.5	A recording system (similar to summary table as shown in Annex 5 and Annex 6 of Appendix G of ETWB TC(W) No. 19/2005) for the amount of waste generated, recycled and disposed of (including the disposal sites) will be established during the construction phase.	All area/ During construction	Contractor(s)				Implemented	Annex 5 and Annex 6 of Appendix G of ETWB TC(W) No. 19/2005
S8.5	Inert C&D materials (public fill) will be reused within the Project as far as practicable.	All area/ During construction	Contractor(s)		1		N/A	-
S8.5	Public fill and construction waste shall be segregated and stored in different containers or skips to facilitate reuse or recycling of materials and their proper disposal.	All area/ During construction	Contractor(s)		-		Implemented	-
S8.5	Specific areas of the work site will be designated for such segregation and storage if immediate use is not practicable.	All area/ During construction	Contractor(s)		~		Implemented	-
S8.5	To reduce the potential dust and water quality impacts of site formation works, C&D materials will be wetted as quickly as possible to the extent practice after filling.	All area/ During construction	Contractor(s)		-		Implemented	Air Pollution Control (Construction Dust) Regulation (Cap 311R); WPCO (Cap 358)
S8.5	Open stockpiles of excavated/ fill materials or construction wastes on-site should be covered with tarpaulin or similar fabric.	Land site/ During Construction, particularly dry season	Contractor(s)		•		Implemented	Air Pollution Control (Construction Dust) Regulation (Cap 311R)
S8.5	Chemical waste container shall be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed.	All area/ During construction/ During operation	Contractor(s)/ WSD		•	•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
S8.5	Chemical waste container shall have a capacity of less than 450 L unless the specifications have been approved by the EPD.	All area/ During construction/ During operation	Contractor(s)/ WSD		·	•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation Agent	Imple Stage	mentat		Implementation Status	Relevant Legislation & Guidelines
		main concerns to address	Agent	D	С	0		
S8.5	A label in English and Chinese shall be displayed on the chemical container in accordance with instructions prescribed in Schedule 2 of the Regulations.	All area/ During construction/ During operation	Contractor(s)/ WSD		✓	√	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
S8.5	Storage areas for chemical waste shall be enclosed on at least 3 sides.	All area/ During construction/ During operation	Contractor(s)/ WSD		✓	~	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
S8.5	Storage areas for chemical waste shall 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.	All area/ During construction/ During operation	Contractor(s)/ WSD		✓	✓	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
\$8.5	Storage areas for chemical waste shall have adequate ventilation.	All area/ During construction/ During operation	Contractor(s)/ WSD		-	•	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
S8.5	Storage areas for chemical waste shall be covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary).	All area/ During construction/ During operation	Contractor(s)/ WSD		✓	~	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
S8.5	Storage areas for chemical waste shall be	All area/ During	Contractor(s)/		✓	✓	Implemented	Waste Disposal



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation	Imple Stage	mentat	ion	Implementation Status	Relevant Legislation &
		main concerns to address	Agent	D	С	0		Guidelines
	arranged so that incompatible materials are appropriately separated.	construction/ During operation	WSD					(Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
S8.5	General refuse will be stored in enclosed bins or compaction units separately from construction and chemical wastes.	All area/ During construction/ During operation	Contractor(s)/ WSD		√	~	Implemented	Waste Disposal (Chemical Waste) (General) Regulation; Code of Practice on the Packaging, Handling and Storage of Chemical Wastes
S8.5	Adequate number of waste containers will be provided to avoid over-spillage of waste.	All area/ During construction/ During operation	Contractor(s)/ WSD		•	 ✓ 	Implemented	DEVB TC(W) No. 8/2010 Enhanced Specification for Site Cleanliness and Tidiness.
S8.5	A reputable waste collector will be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily basis to minimise odour, pest and litter impacts.	All area/ During construction/ During operation	Contractor(s)/ WSD		•	~	Implemented	-
S8.5	Recycling bins will be provided at strategic locations within the Site to facilitate recovery of recyclable materials (including aluminium can, waste paper, glass bottles and plastic bottles) from the Site. Materials recovered will be sold for recycling.	All area/ During construction/ During operation	Contractor(s)/ WSD		√	•	Implemented	-
S8.5	To avoid any odour and litter impact, accurate number of portable toilets will be provided for workers on-site.	All area/ During construction	Contractor(s)		~		Implemented	-
S8.5	The burning of refuse on construction sites is prohibited by law.	All area/ During construction	Contractor(s)		~		Implemented	Air Pollution Control Ordinance (Cap 311)
S8.7	To facilitate monitoring and control over the contractors' performance on waste management, a waste inspection and audit	All facilities/ During construction	ET/ IEC		~		Implemented	-



	-IA Reterence	Recommended Environmental Protection	Objectives of the recommended measures &	Implementation	Implen Stage	ementation e		Implementation Status	Relevant Legislation & Guidelines
		weasures/ willigation weasures	main concerns to address	Agem	D	С	0		Guideimes
Γ		programme will be implemented throughout							
		the construction phase.							



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation Agent	Imple Stage	mentat	ion		Relevant Legislation & Guidelines
		main concerns to address	Agent	D	С	0		
	Ecology							
S9.7	For slope mitigation works within the Clear Water Bay Country Park, to avoid tree felling and damages to trees, the exact locations of the flexible barrier foundation plates, soil nails and rock dowels can be adjusted during detailed design, and a setback distance from existing trees is recommended to be maintained as far as practical. A detailed specification describing the exact locations of the flexible barrier foundation plates, soil nails and rock dowels will be prepared to illustrate how the setback distance from existing trees would be implemented for tree avoidance.	Slope mitigation works area/ During detailed design/ During construction	Contractor(s)	*	*		Implemented	-
S9.7	Pruning of tree canopies along the alignment of the flexible barriers shall be limited to a minimum.	Slope mitigation works area/ During construction	Contractor(s)		-		Implemented	
S9.7	The alignment of flexible barriers shall be optimized to preserve all species of conservation interest and minimize the impact to the existing vegetation as far as practicable. All individuals of <i>Marsdenia lachnostoma</i> within the slope mitigation areas shall be retained <i>in- situ</i> , by positioning the alignment of flexible barrier at a minimum 1.5m in a radius away from these individuals.	Slope mitigation works area/ During detailed design/ During construction	Contractor(s)	•	*		N/A	-
S9.7 and 9.10	At the detailed design stage prior to the commencement of the slope mitigation works, a vegetation survey shall be carried out at the slope mitigation areas within the Clear Water Bay Country Park to assess the condition and identify the location of each individual of <i>Marsdenia lachnostoma</i> and other flora species of conservation interest that may be directly affected by the construction works.	Slope mitigation works area/ During detailed design/ During construction	Contractor(s)	~	-		Implemented	-
S9.7	Temporary fencing will be installed to fence off	Slope mitigation works	Contractor(s)	1	 ✓ 		N/A	-



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation	Impler Stage	nentat	ion	Implementation Status	Relevant Legislation & Guidelines
	Weasures/ Willigation Weasures	main concerns to address	Agent	D	С	0		Guidennes
	the concerned species either in groups of individually within the works area and in the close proximity to prevent from being damaged and disturbed during construction. A sign identifying the site shall be attached to the fence and flagging tape shall be attached to the individuals to visualize their locations.	area/ During construction						
S9.7 and S9.10	A specification for fencing and demarcating individuals of <i>Marsdenai lachnostoma</i> (or other flora species of conservation interest, if found) adjacent to the proposed alignment of the flexible barriers will be prepared to protect the species.	Slope mitigation works area/ During construction	Contractor(s)		•		N/A	-
S9.7	Induction training shall also be provided to all site personnel in order to brief them on this flora of conservation interest including the locations and their importance.	Slope mitigation works area/ During construction	Contractor(s)		•		N/A	-
S9.7	The resident site supervisory staff will closely monitor the conditions of concerned individuals during construction of flexible barriers in the close proximity.	Slope mitigation works area/ During construction	Contractor(s)		*		N/A	-
S9.7	Erect fences along the boundary of the works area before the commencement of works to prevent vehicle movements and encroachment of personnel onto adjacent areas.	All area/ During construction	Contractor(s)		•		Implemented	-
S9.7	Regularly check the work site boundaries to ensure that they are not breached and that damage does not occur to surrounding areas.	All area/ During construction	Contractor(s)/ Environmental Team (ET)		•		Implemented	-
S9.7	Avoid any damage and disturbance, particularly those caused by filling and illegal dumping, to the surrounding habitats through proper management of waste disposal.	All area/ During construction	Contractor(s)		•		Implemented	-



EIA Reference	Becommended Environmental Protection	recommended measures &	& Implementation Agent	Implementation Stage			Implementation Status	Relevant Legislation & Guidelines
		main concerns to address	Agent	D	С	0		Guideimes
S9.7	Reinstate temporarily affected areas, particularly the habitats of plantation and shrubland-grassland immediately after completion of construction works, through on- site tree/shrub planting. The tree/shrub species will be chosen with reference to those in the surrounding area.	All area/ During construction	Contractor(s)		<		N/A	-
S9.7	Affected habitats within the Clear Water Bay Country Bay shall be reinstated by hydro-seeding and planting of climbers and native shrub seedlings where practical upon completion of the slope mitigation works.	All area/ During construction	Contractor(s)		~		N/A	-



EIA Reference	Recommended Environmental Protection	Objectives of the recommended measures &	Implementation	Implei Stage	nentat	ion		Relevant Legislation &	
		main concerns to address	Agent	D	С	0		Guidelines	
	Landscape & Visual			I .	1 .	. .	-		
S11.10 & 11.11	The construction area and area allowed for temporary structures, such as the contractor's office, will be minimized to a practical minimum. (MM1)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	~	-		Implemented	-	
S11.10 & 11.11	At the detailed design stage, the design team will seek to minimize the landscape footprint of the Project and above ground facilities, while satisfying all other requirements. (MM2)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	•	-		Implemented	-	
S11.10 & 11.11	Design principles will be adopted to take into account the surrounding area, particularly Clear Water Bay Country Park behind and the nearby waterfront, with due consideration given to: - green roofs where practical (ie without equipment on the roof); - roadside planting; - aesthetic treatment of all structures; - vertical greening; screen planting along application site; and - landscape enhancement with amenity planting where practical including planting along the edge (site boundary) fence with native shrubs where feasible, - to reduce their visual impact and blend them into the surrounding landscape. (MM3)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	•	•	•	Implemented	-	
S11.10 & 11.11	All trees within the Project Site or the potential slope mitigation works area will be carefully protected during construction according to DEVB TCW No. 10/2013 – Tree Preservation (MM4)	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	✓	•	✓	Implemented	ETWB TCW No. 3/2006 - Tree Preservation.	
S11.10 & 11.11	No tree within the Country Park will be felled. Trees within the Site unavoidably affected by the works will be transplanted where necessary and practical. For trees that need to be felled, compensatory planting will be provided to the satisfaction of relevant Government	All area/ Detailed design/ During construction/ During operation	WSD/ Contractor(s)	•	•		Implemented	DEVB TC(W) No. 10/2013	

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-14 Keterence	Recommended Environmental Protection	recommended measures & Implementation St		Implementation Stage				Relevant Legislation &
	Measures/ Mitigation Measures	main concerns to address	Agent	D	С	0		Guidelines
	departments.							
	A compensatory tree planting proposal							
	including locations of tree compensation will							
	be submitted to seek relevant government							
	department's approval, in accordance with							
	DEVB TC(W) No. 10/2013. (MM5)							
S11.10 & 11.11	Any slope mitigation works necessary to address	All area/ Detailed design/	WSD/	✓	✓	✓	N/A	
	natural terrain hazards, will be minimized to	During construction/	Contractor(s)					
	minimize any potential environmental impact to	During operation						
	the Country Park e.g. soil nailing and rock							
	stabilization will aim to avoid existing trees e.g.							
	should any restoration of vegetation be							
	necessary, the best planting matrix with native							
	species will be established, with the aim of							
	resembling the existing vegetation. (MM6)							
S11.10 & 11.11	Dredging works for the installation of intake	All area/ Detailed design/	WSD/	✓	✓	 ✓ 	N/A	
	structures and outfall diffusers should be	During construction/	Contractor(s)					
	minimized to avoid or reduce any potential	During operation						
	environmental impacts to as low as reasonably							
	practicable (ALARP). The intake and outfall							
	structures (e.g. intake openings and diffuser							
	heads) will be prefabricated and transferred to							
	site for installation. (MM7)							
S11.10 & 11.11	All night-time lighting will be reduced to a	All area/ Detailed design/	WSD/	✓	✓	✓	Implemented	-
	practical minimum both in terms of number	During construction/	Contractor(s)					
	of level and will be hooded and directional.	During operation						
	(MM8)units and lux level and will be hooded							
	and directional. (MM8)							

Note: D – Design stage C – Construction O – Operation



IA Reference	Recommended Environmental Protection	recommended measures & Implementation		Implementation Stage			Implementation Status	Relevant Legislation &
	Measures/ Mitigation Measures	main concerns to address	Agent	D	С	0		Guidelines
	Landfill Gas Hazard							
S12.7	During all works, safety procedures should be implemented to minimise the risks of fires and explosions, asphyxiation of workers and toxicity effects resulting from contact with contaminated soil and groundwater.	All area/ Detailed design/ During construction/ During operation	Contractor(s)		*	✓	Implemented	-
S12.7	During trenching and excavation as well as creation of confined spaces at near to or below ground level, precautions should be clearly laid down and rigidly Gas detection equipment and appropriate breathing apparatus should be available and used when entering confined spaces or trenches deeper than 1 metre.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	•	•	~	Implemented	
S12.7	The Contractor should make the workers are aware of potential hazards of working in confined spaces (any chamber, manhole or culvert which is large enough to permit access to personnel). Such work in confined spaces is controlled by the Factories and Industrial Undertakings (Confined Spaces) Regulations of the Factories and Industrial Undertakings Ordinance. Following the Safety Guide to Working in Confined Spaces ensures compliance with the above regulations.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	•	~	✓	Implemented	
S12.7	Safety officers, specifically trained with regard to landfill gas and leachate related hazards and the appropriate actions to take in adverse circumstances, should be present on the site throughout the works, in particular, when works are undertaken below grade.	All area/ Detailed design/ During construction/ During operation	Contractor(s)		•	~	Implemented	
S12.7	All personnel who work on site and all visitors to the site should be made aware of the possibility of ignition of gas in the vicinity of the works, the possible presence of contaminated water and the need to avoid physical contact with it.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	~	•	√	Implemented	

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IA Reference	Recommended Environmental Protection	Objectives of the recommended measures &	Implementation Agent	Implementation Stage				Relevant Legislation & Guidelines
040 7	Measures/ Mitigation Measures	main concerns to address	Agent	D	С	0		Guidennes
S12.7	Monitoring for landfill gas should be undertaken in all excavations, manholes, chambers (particularly during pipe jacking) and any confined spaces through the use of an intrinsically safe portable instrument, appropriately calibrated and capable of measuring the concentrations of methane. carbon dioxide and oxygen.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	•	-		Implemented	
S12.7	Monitoring frequency and areas to be monitored should be specified prior to commencement of groundwork, either by the Safety Officer, or by an appropriately qualified person. All measurements should be recorded and documented.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	·	-	-	Implemented	
S12.7	Proceed drilling with adequate care and precautions against the potential hazards which may be encountered.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	~	1	~	Implemented	
S12.7	Prior to the commencement of the site works, the drilling contractor should devise a 'method- of- working' statement covering all normal and emergency procedures (including but not limited to number of operatives, experience and special skills of operatives, normal method of operations, emergency procedures, supervisors responsibilities, storage and use of safety equipment, safety procedures and signs, barriers and guarding). The site supervisor and all operatives must be familiar with this statement.	All area/ During construction/ During operation	Contractor(s)		×		Implemented	
S12.7	Where below ground service entries are necessary to the Incoming Switchgear Room, 132 kV Substation and Chlorine Store (I) and (II), the entry point should be sealed to prevent gas entry. In addition, any below grade cable trenches entering the Incoming Switchgear Room and 132 kV Substation can become the	All area/ Detailed design/ During construction/ During operation	Contractor(s)		-		N/A	

Acuity Sustainability Consulting Limited



EIA Reference	Recommended Environmental Protection Measures/ Mitigation Measures	Objectives of the recommended measures &	Implementation Agent				Implementation Status	Relevant Legislation & Guidelines
		main concerns to address	Agem	D	С	0		Guideimes
	pathway for landfill gas and hence grilled metal covers should be used.							
S12.7	It is recommended regular landfill gas monitoring should be carried out at the Incoming Switchgear Room, 132 kV Substation and Chlorine Store (I) and (II). The monitoring frequency will be monthly for the first year of operation. If the monitoring results show no sign of landfill gas migration, reduce the monitoring frequency to once every six months.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	•	✓	✓	N/A	
S12.7	The manholes and utility pits within the Project Site and along the fresh water mains. Each manhole/ utility pit should be monitored with two measurements (at mid depth and base). Each measurement should be monitored for a minimum of 10 minutes. A steady reading and peak reading should be recorded at each manhole/ utility pit and for each measurement. The need for venting the manhole/ utility pit and further monitoring will be reviewed after the initial monitoring.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	×	×	×	Implemented	
S12.7	All construction, operation and maintenance personnel working on-site as well as visitors should be made aware of the hazards of landfill gas and its possible presence on-site. This should be achieved through a combination of posting warning signs in prominent places and also by access to detailed information on landfill gas hazards and the designs and procedural means by which these hazards are being minimized on-site.	All area/ Detailed design/ During construction/ During operation	Contractor(s)	×	-	×	Implemented	

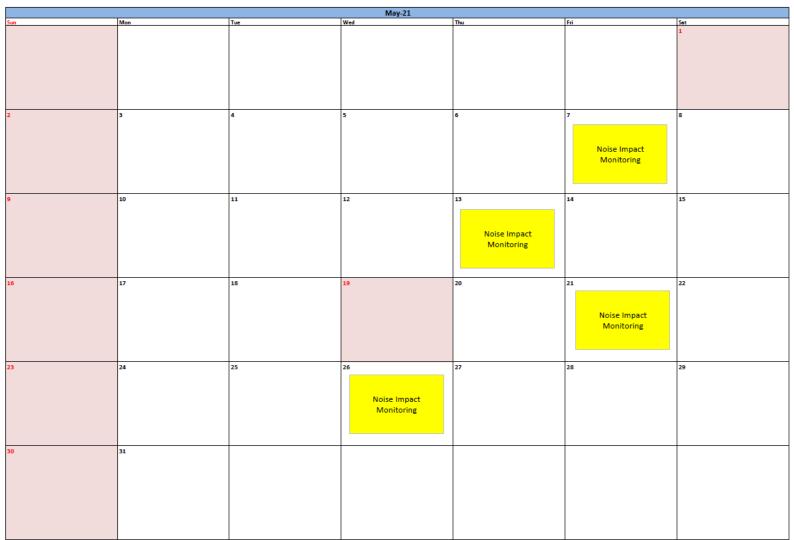
Note: D – Design stage C – Construction O – Operation



Appendix D

Impact Monitoring Schedule of the Reporting Month





The schedule may be changed due to unforeseen circumstances (adverse weather, etc)



Appendix E

Noise Monitoring Equipment Calibration Certificate





CERTIFICATE OF CALIBRATION

Certificate No.:	20CA0803 01		Page:	1 of 2
Item tested				
Description:	Acoustical Calibra	tor (Close 1)		
Manufacturer:	Pulsar Instrument			
Type/Model No.:	105	s Llu.		
Serial/Equipment No.:	63705			
Adaptors used:	-			
52 				177 (b)
tem submitted by				
Curstomer:	Acuity Sustainabil	ity Consulting Limited.		
Address of Customer:	-			
Request No.:	1			
Date of receipt:	03-Aug-2020			
Date of test:	06-Aug-2020		produced and the second se	
Reference equipment	used in the calib	oration		
Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2341427	11-May-2021	SCL
Preamplifier	B&K 2673	2743150	03-Jun-2021	CEPREI
Measuring amplifier	B&K 2610	2346941	03-Jun-2021	CEPREI
Signal generator	DS 360	33873	19-May-2021	CEPREI
Digital multi-meter	34401A	US36087050	19-May-2021	CEPREI
Audio analyzer	8903B	GB41300350	18-May-2021	CEPREI
Universal counter	53132A	MY40003662	18-May-2021	CEPREI
Ambient conditions		10		
Temperature:	22 ± 1 °C			
Relative humidity:	55 ± 10 %			
Air pressure:	1005 ± 5 hPa			
Test specifications				
1, The Sound Calibrat	or has been calibrated	in accordance with the	requirements as specifi	ied in IEC 60942 1997 Annex I
	on procedure SMTP0			
The calibrator was t	ested with its axis ver	tical facing downwards a	at the specific frequency	using insert voltage technique
 The results are rour pressure of 1013.25 changes. 	nded to the nearest 0. hectoPascals as the	01 dB and 0.1 Hz and ha maker's information ind	ave not been corrected icates that the instrume	for variations from a reference nt is insensitive to pressure
Test results				<u></u>
This is to certify that the sound				
est was performed. This do	es not imply that the	sound calibrator meets I	EC 60942 under any ot	her conditions.
Details of the performed me	asurements are pres	ented on page 2 of this o	certificate.	S ENOMACE
1. 1. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	at			有限公司
Approved Signatory:	Feng Junqi	Date: 07-Aug-2	2020 Company Cl	hop:
Comments: The results rep carry no implication regarding			f the instrument on the o	date of calibration and
Soils & Materials Engineering Co. 1 to				

© Soils & Materials Engineering Co., Ltd.

Form No.CARP156-1/Issue 1/Rev.D/01/03/2007

HKAS has accredited this laboratory (Reg. No. HOKLAS 028) under HOKLAS for specific calibration activities as listed in the HOKLAS directory of accredited laboratories. The results shown in this certificate are traceable to the International System of Units (SI) or recognised measurement standards. The results relate only to the item(s) calibrated. This certificate shall not be reproduced except in full without approval of the laboratory.

v



\$	SOILS & MATERIALS 香港新界葵涌永 The Whole Block of YLK Gr	(有限公司 SENGINEERING CO., LTI 基路22-24號椰林閣 oup Building, Nos. 22-24 Wing K (* (852) 2555 7533 E-mail: sm	集團大廈全幢 lei Road, Kwai Chung, New Territ							
			E OF CALIBRA	TION						
Certi	ficate No.:	20CA0803 01		Page:	2 of 2					
1,	Measured Sound Pr	ressure Level								
		essure Level in the calibrate y standard microphone and ainties.								
	Frequency	Output Sound Pressu		tput Es	ut level in dB re 20 μPa stimated Expanded					
	Shown Hz	Level Setting dB	Sound Pressure	Level	Uncertainty dB					
	1000	94.00	93.78		0.10					
5										
2,	Sound Pressure Level Stability - Short Term Fluctuations									
	output of the B&K 26	The Short Term Fluctuations was determined by measuring the maximum and minimum of the fast weighted DC output of the B&K 2610 measuring amplifier over a 20 second time interval as required in the standard. The Short Term Fluctuation was found to be:								
	At 1000 Hz		STF = 0.027 dB							
	Estimated expanded	uncertainty								
3,	Actual Output Frequency									
	The determination of actual output frequency was made using a B&K 4180 microphone together with a B&K 2673 preamplifier connected to a B&K 2610 measuring amplifier. The AC output of the B&K 2610 was taken to an universal counter which was used to determine the frequency averaged over 20 second of operation as required by the standard. The actual output frequency at 1 KHz was:									
	At 1000 Hz	Actual Fre	equency = 1000.3 Hz							
	Estimated expanded	uncertainty	0.1 Hz	Coverage f	actor k = 2.2					
4,	Total Noise and Dis	tortion								
		and Distortion measurement ent Type 8903 B distortion a			0 measuring ampli	fier was				
	At 1000 Hz		TND = 0.6 %							
8	Estimated expanded	uncertainty	0.7 %		ž					
	of uncertainty in mea	tainties have been calculate isurement", and gives an in d unless explicitly stated.								
	1	1	- End -	1						
	Calibrated by:	Fung Chi Yik	Checked by:	Feng Junqi						
The	1	06-Aug-2020	Date:	07-Aug-2020						
		ent used in the calibration a naintain the required accura		mernauonai re	cogniseu standard	s and are				

HIKAS has accreated this laboratory (Heg. No. HUKLAS 028) Under HUKLAS for specific calibration activities as listed in the HUKLAS intercory of accredited laboratories. The results shown in this certificate are traceable to the International System of Units (SI) or recognised measurement standards. The results relate only to the item(s) calibrated. This certificate shall not be reproduced except in full without approval of the laboratory.



(A+A)*L Acoustics and Air Testing Laboratory Co. Ltd. 聲學及空氣測試實驗室有限公司

Certificate of Calibration

for

Description:	Sound Level Meter
Manufacturer:	NTI Audio
Type No.:	XL2 (Serial No.: A2A-13663-E0)
Microphone:	ACO 7052 (Serial No.: 73912)
Preamplifier:	NTi Audio MA220 (Serial No.: 5735)
	Submitted by:

Customer:	Acuity Sustainability Consulting Limited
Address:	Unit C, 11/F, Ford Glory Plaza. No. 37-39 Wing Hong Street,
	Cheung Sha Wan, Kowloon, Hong Kong

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

V	Within
	Outside

the allowable tolerance.

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

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

Date of receipt: 08 September 2020

Date of calibration: 09 September 2020

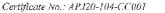
Calibrated by:

Calibration Technician

Par

Date of issue: 09 September 2020

Certified by: Mr. Ng Yan Wa Laboratory Manager



Page 1 of 4

Room 422, Leader Industrial Centre, 57-59 Au Pui Wan Street . Fc Tan. Shatin, N.T., Ilong Kong Tel: (852) 2668 3423 Fax:(852) 2668 6946



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1. Calibration Precaution:

-

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

2. Calibration Conditions:

Air Temperature:	23.8°C
Air Pressure:	1008 hPs
Relative Humidity:	62.5 %

3. Calibration Equipment:

	Type	Serial No.	Calibration Report Number	Traceable to	
Multifunction Calibrator	B&K 4226	2288467	AV200041	HOKLAS	

4. Calibration Results

Sound Pressure Level

Reference Sound Pressure Level

Sett	ing of Unit	-under-t	est (UUT)	Аррі	licd value	UUT Reading,	IEC 61672 Class 1
Range, dB	1B Freq. Weighting Time Weighting		Level, dB	Frequency, Hz	dB	Specification, dB	
30-130	dBA	SPL	Fast	94	1000	94.0	±0.4

Linearity

Sett	ing of Un	it-under-t	est (UUT)	Арр	lied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq. W	Veighting	Time Weighting	Level, dB	Frequency, Hz	ав	Specification, dB
				94		94.0	Ref
30-130	dBA	SPL.	Fast	104	1000	104.0	±0.3
				114		114.0	+0.3

Time Weighting

Seit	ing of U	hit-under-t	est (UUT)	Appl	ied value	UUT Reading,	IEC 61672 Class 1
Range, dB	Freq.	Weighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
30-130	dB∆	SPL	Fast Slow	91	1000	94.0 94.0	Re." =0.3
					[s]	A ILLING LADAR	

((A+A) *L

Page 2 of 4

Certificate No.: APJ20-104-CC001

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(A+A)*L Acoustics and Air Testing Laboratory Co. Ltd. 登學及空氣測試實驗室有限公司

Frequency Response

Linear Response

Set).	ing of Unit	t-under-f	est (UUT)	Аррі	lied value	CUT Reading,	IEC 61672 Class I Specification, dB	
Range, dB	Freq. W	eighting	Time Weighting	Level, dB	Frequency, Hz	dB		
					31.5	94.3	±2.0	
					63	94.3	±1.5	
					125	94.3	±1.5	
~					250	94.2	±1.4	
30-130	dB-	SPL	Fast	94	500	94.1	+1.4	
					1000	94.0	Ref	
					2000	93.8	11.6	
					4000	\$3.6	±1.6	
					8030	\$3.4	-2.1; -3.1	

A-weighting

Sett.	ing of Unit-un	der-t	est (UUT)	Арр	lied value	UUT Reading,	HEC 61672 Class J
Range, dB	Freq. Weigh	ting	Lime Weighting	Level, dB Frequency, Hz		dB	Specification, dB
					31.5	54.8	-39.4 22.0
					63	68.0	-26.2 _1.5
					12.5	78.1	-16.1=1.5
					250	85.5	-8.5 _1.4
30-130	dBA S	SPL	Fast	94	500	90.8	-3.2 = 1.4
					1000	94.Ú	Ref
					2000	95.0	+1.2 :: 1.6
					4000	94.6	$\pm 1.0 \pm 1.5$
			1		8000	92,3	-1.1-2.1; -3.1

C-weighting

Seu	ing of Un	it-under-t	est (UUT)	App	lied value	CUI Reading,	IEC 61672 Class 1
Range, dB	Freq. W	Veighting	Time Weighting	Level, dB	Frequency, Hz	dB	Specification, dB
					31.5	91.2	-3.012.0
					63	93.4	-0.8 ± 1.5
					125	94.1	-0.2±1.5
					250	94.1	-0.0 ±1.4
30-130	dBC	SPL	Fast	94	:500	94.1	-0.0 ± 1.4
					1000	94.0	Rel
					2000	93.6	-0.2.51,6
					4000	92.8	-0.8±1.6
1780 Aug 10					8000	90.4	-3.0+2.1;-3.1

Certificate No.: APJ20-104-CC001



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5. Culibration Results Applied

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

Uncertainties of Applied Value:

94 cB	31.5 Hz	± 0.05
	63 Hz	± 0.05
	125 Hz	<u>1</u> 0.05
	250 Hz	上 0.05
	500.Hz	+ 0.05
	1000 Hz	± 0.05
	2000 Hz	⊖ 0.05
	4000 11z	+ 0.05
	8000 Hz	+ 0.10
104 dB	1000 Etz	± 0.05
114 dB	1000 Hz	<u>1</u> 0.05

The uncertainties are evaluated for a 95% confidence level,

Note:

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

Certificate No.: APJ20-104-CC001



Page 4 of 4

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This instrument was produced under rigorous factory production control and documented standard procedures. It was individually visually inspected, leak tested and function tested for display, backlight, button and software performance. The accuracy of each of its primary measurements was individually calibrated and/or tested against standards traceable to the National Institute of Standards and Technology ("NIST") or calibrated intermediary standards. This instrument is certified to have performed at the time of manufacture in compliance with the following specifications as they apply to this meter's specific model, measurements and features.

Methods Used in Calibration and Testing

Wind Speed:

The Kestrel Weather & Environmental Meter impeller installed in this unit was individually tested in a subsonic wind tunnel operating at approximately 300 fpm (1.5 m/s) and 1200 fpm (6.1 m/s) monitored by a Gill Instruments Model 1350 ultrasoric time-of-flight anemometer. The Standard's maximum combined uncertainty is +/-1.04% within the airspeed range 706.6 to 3023.9 fpm (3.59 to 19.93 m/s), and +/-1.66% within the airspeed range 166.6 to 706.6 fpm (0.86 to 3.59 m/s).

Temperature:

Temperature response is verified in comparison with a Eutochnico 4600 Precision Thermometer or a standard Kestrel 4000 Weather & Environmental Meter calibrated weekly against the Eutochnics 4600. The Eutochnics 4600 is calibrated annually and is traceable to NIST with a system accuracy of +/- 0.05 °C.

Direction / Heading

The sensitivity of the magnetic directional sensor is verified at the component level by applying a magnetic field to the sensor and measuring the signal output at 4 points, as well as after assembly by orienting the unit to the cardinal directions and measuring the magnetic field output. In both cases, the compass output must be accurate to within +/- 6 degrees.

Relative Humidity:

Relative humidity receives a two-point calibration in humidity and temperature controlled chambers at 75.3% RH and 32.8% RH at 25° C. The calibration tanks are monitored with an Edgetech Model 2002 DewPrime II Standard Chilled Mirror Hygrometer. Following calibration, performance is further verified at an RH of approximately 43.2% against the Edgetech Hygrometer. The Edgetech Hygrometer is calibrated annually and is traceable to NIST with a maximum relative expanded uncertainty of 4/– 0.2% RH.

Barometric Pressure:

Pressure response is verified against a Valsala PTB210A Digital Barometer or a standard Kestrel 4000 Weather & Environmental Meter calibrated weekly against the Valsala Barometer. The Valsala Barometer is calibrated annually and is traceable to NIST with an accuracy of +/-0.15 hPa at +20°C defined as the root sum of the squares (RSS) of end point non-linearity, hysteresis error, repeatability error and celibration uncertainty at room temperature.

Approved By:

12

The enclosed Kestrel Weather & Environmental Meter was manufactured by Nielsen-Kellerman Go, at its facilities located at 21 Greek Circle, Boothwyn, PA 19061 USA

Michael Naughton, Engineering Manager



999956	030050	988245 	0.5544	3500	NINGS -	8880) -		03106	CONTRACT OF		SENSO	NO NESOLITION	SPECIFICATION	OPERATIONAL	NOTES
2000	2500	3000	3608	OT	4000	4200	4260	4300	4500	Boll Istics	ACCURACY (+!.)"	RESOLUTION	RANGE 0.6 to 40.0 m/s	RANCE 0.6 to 50 C m/s	NOTES 1 inch[25 mm diameter impelier with precision axis and inventition Zytel® beerings, State
											Larger of 3% of	\$ Itimun 0.1 kravh	118 to 7,874 R/min 2,2 to 146 D 2 mm	118 to 11,611 f/min 2,2 in 216.0 km/b	spage status as lower limit, reactings may be taken down to 0.4 mis 79 f/min 1.5 km/h mph .5 kt after impetier statup, Of anis accuracy -1% @ 5º off-axis: -2% @ 10°; -3% @
٠	\$	۰		ø	۵	۵	9	٠	6	0	reading, least sign\$1cant digit or 20	0.1 mph 0.1 knots	1.3 to 89.5 mph 1.2 to 77.8 knots	1.3 le 134.2 mph 1.2 to 116,6 knote	Calibration drift = 1% effect 100 hours use at 15 MPH [7 mio. Reptacement impolier (NK i 0601) field installe without bools (US Patent 5,783,703). Wind speed calibration and testin
											Rimia	18" 9.1 F/S"	9 to 12 B* 2-131.2*	0 to 12 8* 2-196.9 F/S*	should be done with blangle on imperier located at the lop front face of the Kestrel. *F/S only in Ballistics units. Beaufort not available in Ballistics units.
							:								Hermotically scaled, precision thermistor mounted externally and thermality isolated (US
		_	_		_	-				_	0.9.7	0.1 17	-20.0 to 156.0 ° P	14.9.9 to 131.0 °F	Patent 5,020,840) for rapid response. Airflew of 2.2 mphil m/s or greater prevides testas response and valuebon of inscision affect. Calibration entrinegligible. The mission agriat be used to measure temperature or water ar smore by submerging thermistion proton site.
•	Ŷ		•	•	· *	•		•	•		0.6 10	0.5 °C	-29.0 to 70.0 °C	-10,0 to 55,0 °C	be used to mesouria (angletaura of water at same by submission) private has metanist remove impetent prior to taking submenged mesourcements and notive handla sensor membrano is free of iquid water prior to taking humbity-based measurements off
															submersion.
											:				Polymer capacitive humidity senser mounted in thin-walled chamber activital to case for replit, accurate response (US Patent 6.257.074). To achieve stated ecouracy, unit must b
		0	8	ø		۰	.0	a			3.0 %RH	0.1 % RH	S to 95% non-condensing	0 to 100%	permitted to equilibrate to external temperature when exposed to longe, repid temperature changes and be kept out of direct sunight. Calibration drift 41-2% over 24 ments. Humi
															sansor may be recalibrated at factory or in field using Kestrel Humidity Calibration Kik (Ni 0802)
											C.		5.56 to 32.49 InH g 300.0 to 1100.0 hPoimber	10.0 to 1654.7	More little slicon piezorosistive pressure senser with second-order temperature conective Pressure sensor may be recalibrated at factory or in Reid. Adjustable reference a bludo a
	•		•	٩		3			a	•	: 03 InHig 1.0 bPalimbar	0.91 inHg 0.1 hPojmbar 9.01 PSI	4.35 to 15.95 PS1 and	0,64 to 24.00 PSt antri	display of station prossure or bencmetric pressure connected to MSL. Kestrel 4200 display station preceive on a dedicated section. Kestrel 2500 and 3500 display convinuency upd
											0.01 PSI	alon PS	32.0 to 185.0 °F 0.0 to 85.0 °C	and 14,9 to 131,0 °F -10,9 to 55,0 °C	Broad-hour baronotic pressure trans indicator: ning rapidly, ning, steady, falling, fallin septily. Kestrel 4000 series dischars pressure trend through graphing function. P3I clipte Kestrel 4000 sories only.
														1000 33.5 0	2-axis solid-state magnetoresistive sensor mounted perpendicular to unit plane. Accurac
									•		5*	17 1/16th Cordinal	0 to 360*	C to 360*	sensor dependent upon units vertical position. Self-calibration routine eliminates magnel error from baltarise or unit and must be run offer every full power-deven (optery remaval
												Scala			change). Readout indicates direction to which the back of the unk is pointed when held in vertical orientation. Declination/variation adjustable for True North readout.
									C	ALCU	LATED MEA	ASUREME			
2000	2590	3000	3500	3500 DT	4000	4200	4250	4300	4500	Ballistics	ACCURACY (++-)*	RESOLUTION	SPECIFICATION RANGE	SENSORS ENPLOYED	NOTES
											0.0002 R/R ³ 0.0033 kg/m ³	0.001 (bs/f)* 0.904 kg/m²	Refer to Ranges for Gensors Employed	Temperature Relative Hurrydky Pressure	Mass of sit per unit volume
	÷											T sin T nihe			Volume of air flowing through an opening. Automatics ty calculated from Air Valocity
						۰					0,0671	m'm t	Refer to Ranges for Sensors Employed	Air Flow User Input (Ouet Shape & Size)	Volume of all flowing through an opening , hutprobable ty colociated from Pir Volcom measurement and user-specified duct chaps (circle or rectangle) and dimensions (unlist from or m). Maximum duct dimension input: 255.0 fb (21.5.4) 555.2 m) 6.55 m.
											tuniasi: 35.6.0	0.1mm ² /s 14/s	typical: 750 k (100		 m. emior m). Waximum duct dimension input: able 0 in § 21.5 m § babla (20 0.35 m). Height above (Mean Soa Level (*1951). Temperature compensated pressure (perometric
			•	•	•	•		\$	•		typical: 23,6 R 7.2 m mex: 46,2 t	s nt 1 m	typical: 750 ki (100 mDar	Prossure User input (Reference	"Remains one data and a set of
	1										14,7 m 0.07 loHg	0.D1 kHg	max: 366 to 750 mBar	Pressure)	Trad means Trad means Air pressure that would be present in identical canditions at MSL. Station protocore
	•		٠	ą		۰,		٠	٠		0.07 loHg 2.4 hPol/mbor 0.03 PSI	0.01 krHg 0.1 hPatrabar 0.01 PSh	Roler to Rangos for Sensors Employed	User Input (Reference Atthute)	Ar pressure that would be present in identical schollion at MSL. Station practure e compensated for ic cal elevation provided by reference altitude. Required accurate refert altitude to produce maximum absolute accuracy.
												tenph 1 Bhenig			
									8	•	0.071	0.1 km/h 0.1 km/h	Releato Ranges for Sensors Employed	Wind Speed Compase	Effective wind relative to a larget or travel direction: Auto-switching headwind/toiwind indication.
												0.1 knots		Temporalum	Difference between dry built terrosciature and wat built temperature. When spraying, ind
				٠							3.2 °F 1.9 °C	0.1 °F 0.1 °C	Refer to Ranges for Sensors Employed	Reistive Humidity Prossure	evaporation rate and droplet lifetime. Sate range for pesticide spraying is 4 $\%$ 16 $\%$ I 2 $\%$ *G.
							8	•	•		2215 m	1 ft 1 m	Refer to Ranges for Senaura Émpleyad	Temperature Relative Humidity	Local air deneity converted to equivalent alevation abovo soa favol in a uniform fayou consisting of itse international Standard Atmosphere.
											3.4 °F	0.1 TF	15 to 95 % FH	Pressure	Temperature that a volume of air must be cooled to at constant pressure for the water ve
		8	۰	œ	9	8	8	•	8	•	1.9 °C	0.1 10	Rofer to Range for Temperature Sensor	Relative Humidity	present to condense into detv and form on a colid parface. Can also be considered to be trader-to-air exturation temperature.
														Wind Speed Temperature	The rate at which moisture is test from the surface of curing concrete. Requires usor measurement and entry of concrete termensture obtained with an assurate IR or probe
								٠			0.01 35353hr 0.05 kg/m2/hr	0.01 intrine 0.01 kg/m ³ /hr	Roler is Ranges for Oenaura Employed	Relative Humidity Pressure	thermometer ("Fior "C, not included). Readings should be taken 20 inches above pour surface with the thermister checked and exercised for 6-10 seconds using hull-in average
														User leput (Conorda Temperature)	function.
		а	•		9	۰	8		8	٠	7.1"F 4.0"D	0.1 TF	Refer to Ranges for Sensors Employed	Temporaluié Reletive Humidity	Perceived temperature resetting from the combined offect of temperature and relative humptify, Calculated based on NVB Heat indisc (HI) tables. Measurement range limited extend a published radies.
	-										.3 gpp	0.1 gpp	Refer to Ranges for	Temperature Relative Humidity	Mass of water vaper in a mass of sit.
											.04 g/kg	0.01 g/kg	Senaora Employed	Pressure Temporaturo	
							a				0.002@	0.904	Refer to Ranges for Sensors Employed	Relative Humidity Pressure	The ratio, expressed as a percentage, of measured air density to the sir density of a step atmosphere as defined by the ICAO.
														Temperature	Temparature indicated by a sting psychrometer. Due to nature of the psychrometric rate
			٠		۰		٠	٠	٠	•	1.8 'C	0.1 112	Relar to Ranges for Geneors Employed	Relative Humidity Pressure	water-sit system, this approximates the thermodynamic well-cub temperature. The thermodynamic work bub temperature is the temperature a parcel of air would have if one which there is the temperature of the temperature a parcel.
															adis balically to saturation temperature via water evaporating into $m x$.
											1.6 °F	0.1 T F	Refer to Ranges for	Wind Speed	Paroxived temperature resulting from combined effect of wind speed and temperature. Celosialed based on the NWS Wind Chill Temperature (WCT) index, revised 2001, with:
•		8	•		•	•		•		•	0.9 %	0.1 °C	Sensors Employed	Temperature	speed adjusted by a factor of 1.5 is yield equivalent results to wind speed measured at " shove ground, Measurement range limited by extent of published tables.
ies:	sinat			39970) 39970)	192622	-	668) 1				ONAL SPE	CIEICATIC	INS		
•	ingeligene :	803943 8		9992189	020256	594896	924535	(ARESELS)	sterrativ.		Rofloctive 3 1/2 digit L	OD. Digit height 0.38	5 in / 5 mm Aviation graen	electroluminescent bar	cklght. Menual octivation with auto-off.
			•	3							Rolloctive 5 digit LCD	. Digit height 0,36 in	9 mm. Cheise of aviation	grean or visible red (N	V modele only) electroluminescent backlight. Manual activation with auto-off,
						٥	•		•	•	Mutilfunction, multi-dig	gir məqəsijaamə datı	matrix display. Choice et a	viaben green er visible	red (NV models only) electroluminescent becklight. Automatic or manual activation.
•		•							a		Al measurements axo	cept likese based on fully novélarate to a	relative humidity respond a Jacon shaces in 194 magaz	counstely within 1 seco remark environment, (nd. Relative humidity and all enacevremente which include RH in their ealculation may ree Display apolatas avary 1 second.
											-		Gust and everage Wind ms		
Ť		•	•								Max and average wind	d calculation may be	staried and stopped indep	andenily of stata loggin	g of other values, along with all other wind-related functions: air valueity, crooswind,
					· • •						headwind/tallwind, wir Minimum, meximum, s			d for every measured (value. Large capacity data logger with grophical display. Manual and auto data storage.
					4000	3700 octats	3200	3854 aning	2900	2500 points	Mini Max/Avg history r intervals (cade version	may be reset indeport	idon Ry, Auto-store interval :	settable from 2 second	ts to 12 hours, overwrite on or off. Logs even when display off except for 2 and 5 second
											Requires optional PC	interface (USB or RS	S-232) or Bluetooth data to	ansfar option and prov	ided software. to 38 ft (5 meters, individual unt; ID and 4-digit Pill code preprogrammed for easy identifi
	_	_			•	a		•			and data security who Real time hours minut	n pairing and transm	liting. Employs Divolooih S	Inital Post Protocol for	data transmission.
	*	•	ŝ	•	٠		٠	•	•			las saconds elecik, ca	alandar, automatic loap-yea	r adjustmont.	
•	•	. *	•	•	:	۹.	à.	•		3		or 60 minutes with m	o key presses or disabled .		
	. • ;	° °	٠	•	6	8	9	•			CE certified, RoHS an	d WEEE compliant.	ind Mdually tested to NIST-	traiceatile standards (v	xtitan corificate of teats available at ackitional charge). Regional Value Content and Teriff Code Transformation recultements for NAFTA Professo
•	•	•	•	•	۵	٩	۰	٠	۰	•	Orterior E.		om US and Imported comp hours. Bottary Life reduced		
4	•.	8	.• .		-										ill te 3500 medele. y backlight ar Bluckoth /zdile Izanzmizalen use.
,	-			~		*		•	•				sjuded, Avenage (Re, 400 ho 6.5 Procedure IV: wait only:		
										•	Waterproof (1907 and	NEMA-5).			rational temperature range of the display and batteries by maintaining, the unit within the
	•	9	a	9		•	9	8		4	operational range and	exposing it to the m	mante may be taken bayor Iore exilicine envêlennent fi		
			۰		ą	4	•	•	a	• .	-22.0 "File 140.0 "File 4.8 x 1.9 x 1.1 in / 12.		cz / 102 g (including silp-s	n covar).	
	è			a											
8 8 8	÷	•		a	` •	в			a	5	5.0 x 1.8 x 1.1 in / 12. 6.5 x 2.3 x 1.1 in / 16.	7 y 4.5 x 2.8 cm, 3,6	oz/102g.		



Appendix F

Event/Action Plan for Noise Exceedance





Event and Action Plan for Construction Noise Monitoring

Event	Action											
	ET		IEC		ER		Co	ntractor				
Action Level	 1. 2. 3. 4. 	the source and cause of the complaint/ exceedance(s) Notify IEC, ER, and Contractor and report the results of investigation to the Contractor, ER and the IEC Discuss with the Contractor and IEC for remedial measures required	1. 2. 3.	Review the analyzed results submitted by the ET Review the proposed remedial measures by the Contractor and advise the ER accordingly Supervise the implementation of remedial measures	1. 2. 3.	Confirm receipt of Notification of Exceedance in writing Require Contractor to propose remedial measures for the analysed noise problem Ensure remedial measures are properly implemented	1. 2.	Submit noise mitigation proposals, if required, to the IEC and ER Implement noise mitigation proposals.				
mit Level		 Notify IEC, ER, EPD and Contractor Identify the source(s) of impact by reviewing all the relevant monitoring data and the corresponding construction activities. Exceedances should also be confirmed by immediate verification in the field as far as practical. Repeat measurement to confirm findings Increase monitoring frequency Carry out analysis of Contractor's working procedures to determine possible mitigation to be implemente inform IEC, ER and EPD the cause & actions taken for the exceedances Assess effectiveness of Contractor's remedial actions and keep IEC, EPD ER informed of the results If exceedance stops, cease additional monitoring. 	g s	 Discuss amongst ER, ET, and Contractor on the potential remedial actions Review Contractor's remedial actions to assure their effectiveness and advise the ER &ET accordingly Supervise the implementation of the remedial measures 	2. 3. 4. 5.	Confirm receipt of notification of exceedance in writing Notify Contractor Require Contractor to propose remedial measures for the analyzed noise problem Ensure remedial measures are properly implemented If exceedance continuous, consider what portion of the work is responsible and instruct the Contractor to stop that portion of work until the exceedance is aborted	2. 1 3. 1 4. 1	Take immediate action to avoid further exceedance Identify practicable measures to minimize the noise impact. Submit proposals for remedial actions to ER within three working days of notification Implement the agreed proposals Resubmit proposal if problem still not under control Stop the relevant portion of works as determined by the ER until the exceedance is abated				



Appendix G

Noise Monitoring Data



					Leq-5min	, dB(A)						Adjusted Measured	Limit	
Date	Time	Weather	Reading (1)	Reading (2)	Reading (3)	Reading (4)	Reading (5)	Reading (6)	L _{eq-30min} , dB(A)	L ₁₀ 30 _{mins} , dB(A)	L9030 _{mins} dB(A)	Lovol	Level, dB(A)	Noise Meter
07/05/2021	11:45 - 12:15	Sunny	68.7	68	69.2	65.4	66.8	67.7	67.8	71.4	58.6	64.6	65.0	NTi XL2 13663
13/05/2021	14:07 - 14:37	Sunny	65.6	67.9	67.3	68.4	67.9	69.1	67.8	71.4	58.2	N/A	70.0	NTi XL2 13663
21/05/2021	11:15 - 11:45	Sunny	67.1	68.7	67.8	66.0	68.7	68.2	67.8	71.5	59.9	64.7	65.0	NTi XL2 13663
26/05/2021	11:58 - 12:28	Sunny	67.8	66.3	69.3	68.3	68.3	67.3	68.0	72.5	61.1	64.9	65.0	NTi XL2 13663

Remarks: `

*NSR4 was appointed as a Hong Kong Diploma of Secondary Education Examination (HKDSE) examination centre from 03rd to 15th May, 2021 in the reporting period. Examinations were scheduled in the reporting month on 21st and 26th May, 2021. Hence the noise limit level was 65.0 dB(A) on 07th, 21st and 26th May, 2021. The noise limit level was 70 dB(A) for other impact monitoring dates. DSE examination schedule and Academic School Calendar can be found in **Appendix O**.

** Adjusted Measured Level = 10*log(10^(0.1*measured level) -10^(0.1*baseline level during examination))

** Adjusted Measured Level on 07/05/2021, 21/05/2021 and 26/05/2021 = 10*log(10^(0.1*measured level)-10^(65.0))



Appendix H

Waste Flow Table



Monthly Summary Waste Flow TableName of Department:WSDWSDContract No. / Works Order No.:Monthly Summary Waste Flow Table forMay 2021

		Actual Quantities o	f <u>Inert</u> Construction Wa	ste Generated Mo	onthly	
Month	Total Quantity Generated (see Note 4)	Hard Rock and Large Broken Concrete (see Note 3)	Reused in the Contract	Reused in other Projects	Disposed of as Public Fill	Imported Fill (see Note 1)
	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)	(in '000m ³)
2018	1.157	0.063	0.000	0.000	1.157	0.518
2019	5.178	0.043	2.211	0.000	2.520	3.200
2020	13.173	1.506	0.291	0.000	12.878	1.323
Jan 2021	2.438	0.120	0.000	0.000	2.438	0.127
Feb-2021	1.702	0.224	0.000	0.000	1.702	0.537
Mar-2021	2.780	0.163	0.000	0.000	2.780	1.361
Apr-2021	2.338	0.271	0.222	0.000	2.116	0.629
May-2021	2.265	0.125	0.360	0.000	1.906	0.340
Total for 2021	11.523	0.903	0.582	0.000	10.942	2.994



		Actual Quantities of	Non-inert Constructio	n Waste Generated Mo	nthly
Month	Metals	Paper/ cardboard packaging	Plastics (see Note 2)	Chemical Waste	Others, e.g. General Refuse disposed at Landfill
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000m ³)
2018	0.000	0.417	0.000	0.000	0.139
2019	0.000	0.062	0.000	0.000	0.102
2020	0.000	0.606	0.000	0.000	0.043
Jan 2021	0.000	0.065	0.000	0.000	0.006
Feb-2021	0.000	0.058	0.000	0.000	0.012
Mar-2021	0.000	0.055	0.000	0.000	0.002
Apr-2021	0.000	0.045	0.000	0.000	0.008
May-2021	0.000	0.049	0.000	0.000	0.006
Total for 2021	0.000	0.272	0.000	0.000	0.034

Notes:

1. The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

2. Plastic refer to plastic bottles/containers, plastic sheets/foam from packaging materials.

3. Broken concrete for recycling into aggregate.



- 4. "Total Quantity Generated" only refers to the actual quantities of inert C&D materials generated monthly excluding those that will be recycled (Hard Rock and Large Broken Concrete, Reused in the Contract, Reused in other Projects). Imported fill will not be included in "Total Quantity Generated" as those C&D materials are not generated from this project.
- 5. C&D materials in tonnes are converted to meter cube (m^3) on a scale of 0.5.
- 6. Source and types of Imported Fill in the reporting month
 - i.
 - K. Wah Quarry Company Limited: (Soil) 209.945m³ (419.89 tonnes/15 cars) K. Wah Quarry Company Limited: (Sub-base) 129.925m³ (259.85 tonnes/9 cars) ii.

7. Hard Rock and Large Broken Concrete are disposed to public fill, the breakdown of C&D materials disposed to public fill is shown as be	7.	Hard Rock and Large Broken Concrete are d	posed to public fill, the	e breakdown of C&D materials dis	sposed to public fill is shown as below
---	----	---	---------------------------	----------------------------------	---

Type of C&D Materials	Description of C&D Materials	C&D Waste Disp osed (Volume) (m ³)
	Bentonite	31.05
	Broken Concrete	87.35
	Broken Rock	37.85
	Mixed Construction Waste (>50% inert)	
Inort	Building Debris	3.55
Inert	Mixed Rock and Soil	1301.10
	Reclaimed Asphalt Pavement	170.00
	Slurry	2.45
	Soil	272.25
	TOTAL =	1905.60
Non-inert	TOTAL =	6.35



Appendix I

Landfill Gas Equipment Certificate

Monitoring Calibration





香港新界葵涌葵昌路58-70號永祥工業大廈10樓B室

Unit B, 10/F., Wing Cheung Industrial Building, 58-70 Kwai Cheong Road, Kwai Chung, New Territories, HK Tel: (852) 2751 7770 Fax: (852) 2756 2051 E-mail: rotter@rotter.com.hk

Calibration Report - Gas Detector

PGM-2500 (QRAE III) --- LEL/O2/CO/H2S **UNIT INFORMATION :** Model : QRAE III Customer: Penta Ocean Construction Co Ltd Serial # : M02A016735 Firmware V2.14 Sensor : LEL/O2/CO/H2S Cal date 28-Jul-2020 Inspected: Teddy SENSOR DATA : H2S sensor (Tox2) LEL sensor (ME) O2 sensor CO sensor (Tox1) Calibration dates: 28-Jul-2020 28-Jul-2020 28-Jul-2020 28-Jul-2020 After Calibration level 50% 18.00% 50 ppm 10.1 ppm Alarm levels (Low): 10.00% 19.50% 35 ppm 10 ppm Alarm levels (High): 20.00% 23.50% 200 ppm 20 ppm TWA Level : 35 ppm 10 ppm STEL Level : ----100 ppm 15 ppm Status: Pump Speed Back Light Manual Low Clock Measure Average Yes **LEL Gas Selection** LEL Calibration Gas Methane LEL measurement Gas Methane LEL Custom Gas LEL_custom_gas LEL Custom Factor 1.0 Gas types used : 4-Gas Mix: (18% O2, 50ppm CO, 10ppm H2S, 50% LEL CH4, BAL N2) Gas lot #13333090 Cyl# 18 *** Fresh Air Calibration is highly recommended to proceed prior for measurement each time.

Replaced Parts:

Notes:

The unit was calibrated and checked under good working condition

**Next calibration date on or before 27 July 2021

14:14 Serviced by <u>Teddy work</u> Rotter International Ltd



Appendix J

Landfill Gas Monitoring Data



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						••••
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	31-5-201	0830	Fine	0	0	0	20.9	29/1004	85
	31-3-2021	1330	Fire	đ	0	0	20.2	28/1004	2.2
	31-5-2021	100	Fine	Ð	0	3	20.9	31/1003	2.2
Area B	31 - 8 - 2021	0348	Fire	3	J	e	2.0.9	29/1004	2.5
	31-5-2021	1549	Fine	Ŷ	0	0	20.9	22/100+	2.5
	31-5-2021	1645	F:ne	00	· · · ·	0	20.9	31/ 1153	2.5
									<u> </u>
	1								1
								/ <u></u> .	<u> </u>
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			· ·	· · · · · ·	+	<u> </u>		<u> </u>	ļ
······									İ

	Name & Designation S	<u>ignature</u>	Date	
Field Operator:	Ting Wai Kin (Safety Officer [RenoPipe])	T	31-5-2021	
Laboratory Staff:		-		
Checked by:	Cifebran (Foreroom)	Ly-	31-5-2024.	
ENVIRONMENTAL RESOURCES MANAGEM?	INT			ENVIRONMENTAL PROTECTION DEPARTMENT
		13		ENVERSINGENTAL PROTECTION DEPARTMENT



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring -Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
(H.FC 470	31/8/2021	0855	Fine	Û	D D	0	202	29/ 1004	2.5
	3115/2021	1355	ボル	3	3	J	20.3	28/ 1004	2.5
CH.FCOTAO	41/5/221	0900	Fine	0	0	0	20.9	24/1204	2.3
	31/5/221	1400	Fine	ρ	Ø	ò	202	28/ 1004	2.5
Pitc	31 13/2021	0918	Fire	G	0	0	22.9	29/1805	8
	31/5/2021	1415	Fine	ð	C .	0	20.3	2-8/ 1004	<u>d</u>
137 Pir C	31/5/2021	09495	Fine	Ŷ	υ	0	20.4	29/1005	7
	3/15/2021	14091	Fine	0	0	0	20.8	30/ 1003	7
137 74 F	3 1/2/2021	0977	Fint	ð	0	Ŷ	20.9	29/1007	8.6
	3) 15/2021	1455	- Fin	0	0	v	225	30/ 1002	8.6
(57 9:7 A	71/5/201	003	Fire	0	0	2	2.2:3	29/1005	8.5
	31/8/2021	1505	Fine	0	0	0	20.9	31/ 1003	8.3
WPE	31/8/2024	215	Fire	0	0	0	20.9	24/1005	2.8
L	41/8/2021	צודן	Fire	Q	2	0	20.4	51/1003	2.8

Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

Name & Designation

Date 31/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

Signature

∄

ENVIRONMENTAL PROTECTION DEPARTMENT



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring -Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weathe . condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
W/F 2	31/5/2021	1028	Fire	0	D D	0	20.9	29/1005	2.8	
	71/5/2024	1525	Fire	0	0	0	20.9	31/1003	2-8	
いわ 4	71/5/2024	053	Fire	0	0	C C	20.9	29/1205	4	
	31/2/2024	1535	Fire	Q	D	C	20.3	32/1093	4	
W1 7	31/5/2221	045	Fiae	0	Û	¢	20.9	29/1905	2.2	
	31/5/2021	1547	Five	0	0	G	22.9	32/ 1003	2.3	
217 A	31 18/2021	059	Finz	Ð	C	C	20.9	24/ (005	× -	
	31/5/2021	1555	Fire	0	U	0	20.9	32/1003	5	
Pit B	31/3/2021	104	Fine	0	э	0	20.9	29/100r	7,6	
	31/5/2021	1605	Fine	0	0	C C	20.9	32/1003	3.6	
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Signature Ĥ

Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

Name & Designation

31/5/2021

<u>Date</u>

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

SNVIRONMENTAL PROTECTION DEPARTMENT

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable ; gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Acen A	29-5-2021	0 53/	Fire	0	C	0	229	30/100%	χZ
	29-5-2021	1330	Fiv	C	0	C	20.9	32/1007	2.2
	2-4-5-2021	1700	Fine	¢	6	0	20.4	30/1006	5.5
Area B	29-5-2021	6842	Fire	6	4	0	20.3	31/1008	2.3
	29-5-2021	1341	1 Fine	ð	0	3	20.4	32/1007	2.5
	29-5-2021	1645	Fire	<u> </u>	8	0	20.3	30/1000	2.5
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								/	
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			1.				ļ		
						<u></u>			
) 			
		Name & Des	ignation	Signature	Date				
Field Operat	or: T	ing Wai Kin (Saf	ety Officer [Renof	Pipe]) A	29-5-2	2021			

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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C.Fchain (Foreman)

ENVIRONMENTAL PROTECTION DEPARTMENT

29-5-2021.



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Wcather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CH.FC 4+70	29/3/2021	0855	Fire	0	0	0	20.9	41/100%	2.5
	29/8/201	1255	Fire	0	Û	P	20.9	32/1006	2.5 2.⇒
CH.FCOTA		2400	Fine	Ĵ	d	0	20.9	51/1005	2.5
	29/5/201	1400	Fine	£	0	0	20.2	32/1006	2.5
Pitc	29/3/2021	295	Fire	Ð	0	0	20.3	31/1002	2
	29/5/204	\4h	Fine	٥	0	0	202	33/1006	<u> </u>
137 Pir C	29/2/2021	2445	Fish	9	Ð	0	20.9	32/1002	7
-	29/3/201	14245	Fire	0	2	0	20.3	32/1006	7
IN Pit B	29/5/201	0955	Fine	0	0	0	20.9	32/1001	8.6
	22/5/2024	1455	Fine	Э.: -	0	0	20.9	34/1006	8.5
137 V:+ A	129/X/201	258	Fire	0	Ð	0	20.9	32/10/9	8.1
L	129/3/204	1505	Fire	Ŷ	0	0	20.9	32/1000	3.3
WIF1	29/5/2021	1217	Fine	0	0	0	20.9	31/1003	2.8
	29/ Spon	1212	Fine .	3	0	G	20.9	31/1005	2.8

Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

<u>Date</u> 29 | > | 202 |

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Signature

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ENVERONMENTAL PROTECTION DEPARTMENT



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring --Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020
	-

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
	:		Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
WIR 2	29 / × / 2021	1025	Fire	Ð	U	0	20.2	31/ 1008	2.8	
	29/3/221	1525	Five	j	0	0	20-9	31/1005	23	
WPK 4	29/7/204	1035	Fire	0	0	9	20.9	31/1005	4	
	29/5/2041	1545	Five	4	0	a	20.9	31/1026	4	
WIF 3	29/2/204	10tr	Fire	ú	û	3	20.3	31/100\$	2.8	
	29/5/2021	1245	Five	0	0	0	Ze. Y	31/ 1006	2.8	
Pit A	24/ 3/2021	1035	Five	J	ß	9	22.9	31/1905	S	
A a b	29/ ×1204	1775	Fine	Û	Ç	จ	20.3	31/1006	5	
Pit B	29/ 5/2021	1105	Five	Q	1 0	0	20.9	31/1008	3.6	
	29/5/2021	160%	Fine	J	<u> </u>	0	20.9	31/1006	36	
								<u> </u>		
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 Name & Designation
 Signation

 Ting Wai Kin (Safety Officer [RenoPipe])

<u>Signature Date</u> e]) 1 2A/Y/20Z4

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

ENVIRONMENTAL PROTECTION DEPARTMENT

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
Area A	28-5-2021	0830	Fire	0	Û.	6	20.9	30/1012	<u> </u>	
	28-2-2021	1330	Fire	0	0	ĝ	20.9	33/1009	2.2	
	28-5-204	1700	Fire	0	0	C	20.9	30/1007	22	
A-rea B	23-5-2021	0845	Fire	C	Û	3	20.0	31/1012	2.5	
	28-5-2021	1345	i Fine	c	0	0	20.9	37/1009	2.5	
	28-5-2021	1 GArs	Fire	0	0	<u> </u>	20.21	31/ 1003	2.5	
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					1			1		

	Name & Designation	Signature	Date	
Field Operator:	Ting Wal Kin (Safety Officer [RenoF	'ipe]) 🖁	28-5-2021	
Laboratory Staff:				
Checked by:	C-F.cham (Foreinam)	Top.	28-5-221.	
ENVIRONMENTAL RESOURCES MAN	AGEMENT .	19	3	ENVIRONMENTAL PROTECTION DEPARTMENT



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring -Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CHIFC 44m	28/3/202	0873	Fire	0	. J	0	20.9	31/101L	2.8
	28/5/2011	1355	Fine	Ĵ	0	0	229	35/ 1009	2.8
CHIFC 0490		2900	Fine	Q	0	3	20-3	31/1012	2.5
	28/5/2021	420	Five	0	2	0	20.9	\$\$ / 1009	2.7
PA C	28/5/2021	2915	Fix	0	0	0	20.9	31/1012	8
	28/5/2021	(41)Y	File	0	D	1 0	22.9	33/1034	8
137 8it C	28 512021	<u>9941</u>	Fipe	0	0	0	20.9	51/1012	7
	28/8/2021	14947	FN	0	0	0	12.9	57 / 1008	7
177 Piz B	28/5/2021	0955	Fire	0	9	0	22-5	31/1012	5.6
	28/5/2021	1455	Fine	2	2	0	Z9-9	34/1002	8.6
137 Pit A	28 × 12021	1005	Five	0	0	0	22.9	31/10h	\$ 3
	28/7/2021	1505	Five	0	0	0	22.3	72/ 1008	3.7
WRFL	281812021	1915	Fire	J	0	0	22.3	32/10/1	2.8
	28/5/202	(2)2	Fire	0	0	0	20.3	37 / 1003	2.8

Name & Designation Signature Ting Wai Kin (Safety Officer [RenoPipe])

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Date 28/2/2021

ENVIRONMENTAL PROTECTION DEPARTMENT



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment useo:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
WPR 2	28/8/2041	(025	Fin	0	0	0	20.3	32/10/1	2.8	
	28/8/2021	1525	Five	2	2	0	20.A	32/1003	2.8	
WPK 4	23/8/2021	1047	Fine	9	0	0	20.9	34 / 107:	4	
	22/ Y/2021	1511	Fine	0	0	0	2.9.3	22/1003	4	
WIR 3	23/5/2024	1045	Five	Ö	0	0	20.4	32/1011	2.3	
	28 18/2021	15495	Five	0	Û	0	20.9	32/ 1003	2.0	
Pit A	28/3/2021	1055	Fire	Ģ	0	2	20.9	34/1011	5	
	28/5/2021	(37)	Fine	6	0	0	20.4	33/1008	5	
Pit B	28/8/204	1 05	Fire	0	6	0	2.2.9	12/1011	7-b	
	28/5/2024	605	Fire	0	0	0	20.9	35/1003	2,6	
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Name & Designation

<u>Signature</u> <u>Date</u>

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Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

28/ 7/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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ENVIRONMENTAL PROTECTION DEPARTMENT



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Ju! 2020
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Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	27-5-2021	0330	Fine	C	0	0	20.4	29/1010	2.2
	27 -5-2021	1330	Fire	0	s	0	20.9	32/1010	5.5
	27-3-2021	1700	Fire	0	¢	0	20.3	32/10:8	3.5
Area B	27-5-2021	c845	Fire	Q	ಎ	0	20.9	30/1011	2.5
	27-5-221	1745	First	ð	0	G	20.9	32/ 1009	2.5
··· ,	27-5-2021	1643	Fine	C	6		20.9	31/1008 /	2.5
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								. /	
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	Name & Designation	Signature	Date	
Field Operator:	Ting Wai Kin (Safety Officer [Renof	Pipe])	27-5-2021	
Laboratory Staff:				
Checked by:	C.F.d.an (Foreman)	DP.	27-5-2021.	
ENVIRONMENTAL RESOURCES MAN	AGEMENT .	 	13	ENVIRONMENTAL PROTECTION DEPARIMENT



Name of site: 13/WSD/16 - Mainlaying in Tsaung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Monitoring w	vells / Surface G	as Emission		
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CHI.FC 4+170	27/5/2021	0325	Fire	0	0	0	20.9	30/1011	2.5
	27/5/2011	1378	Fine	0	0	0	20.9	33/1021	2.5
CH. FC otgo	27/5/2021	0900	Five	0	0	0	20.9	30/1011	2.4
	21/5/2021	400	Fire	0	0	0	20.9	33/ 1009	2.5
PitC	27/5/2021	0915	Fire	0	0	9	20.9	30/1011	8
	27 / 2/2021	(4)3	Fire	0	0	۵	20.9	35/ 1009	8
137 Pit C	27/5/201	0947	Fire	9	0	0	20.9	31/1011	7
	27/5/20-1	1447	Fire	0	ð	ß	20.9	33/1029	7
177 Pit B	27/5/2021	Arr	Finz	0	0	0	20.3	31/1011	8.6
Ĺ	27/5/201	1475	Fire	Ø	0	0	20.8	35/1009	2.6
151 Pit A	2715/2021	1005	Fine	0	Û	0	20.9	32/1010	8.3
	27/5/2021	1505	Fire	0	0	C	22.9	39/1008	3-7
MAET	21/5/2024	1015	Fine	D	0	0	22.9	32/1010	2.8
	27/3/201	1212	Fine	0	v	0	20.9	39/1008	2.8

<u>Name & Designation</u> <u>Si</u> Ting Wai Kin (Safety Officer [RenoPipe])

Signature Date A = 27 - 5 - 2 = 1

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time								
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
WPR 2	27/5/2021	IOLS	Fine	3	0	0	20.9	32/1010	2.8	
	27/5/2021	1525	Fine	0	ð	D	20.9	3%/ (00 8	2.3	
WPR 4	27/5/204	1033	Fine	0	Û	0	2.2.3	32/1010	4-	
	27/5/2021	1535	Fire	0	Q	0	20.9	37/1008	4	
WPK 3	27/5/204	044	Fine	0	G	0	20-9	3-/1010	2.8	
	27 / 7/20-1	545	Five	0	0	0	20.9	33/ 1008	2.8	
Pit A	27/8/104	1057	Five	C	0	0	20.9	3-/1010	5	
	27/8/2021	1771	Fine	Û	0	Ð	70.9	37 / 1003	7	
Vit B	27/3/2021	101	Fire	C	0	Û	2.0.9	32/1010	3.6	
	27/3/204	160%	Fine	0	0	0	20-9	33 / 1208	3.6	
		÷								
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						<u> </u>	·			

Name & Designation

Ting Wai Kin (Safety Officer [RenoFipe])

Signature Date 27/5/2021

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Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE 1!!)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
		i i	Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
Ares A	26 - 5 -2021	0830	Fine	0	0	Û	20.4	30/1010	X,X	
	26 - 5 - 2021		Fire	0	0	0	209	32/1004	22	
	26-5-2021		Fire	0	0	0	20.9	32/1027	XX	
Area B	26 - 5-2021		Fine	0	Û	0	20.4	31/1011	2.5	
	26-5-2021		Fini	0	0	0	20.9	32/1009	25	
	26-3-2021	1645	Fire	0	<u>ð</u>	0	2.0.4	32/1007	2.5	
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								/		
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					<u> </u>			/	i	

	Name & Designation	Signature	Date	
Field Operator:	Ting Wai Kin (Safety Officer [RenoPipe]	D A	26-5-2021	
Laboratory Staff:				
Checked by:	C-F.chann (Folkingen)	129-	26-5-221	
ENVIRONMENTAL RESOURCES MANA	GEMENT			ENVIRONMENTAL PROTECTION DEPARTMENT

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated			
PGM-2500 (QRAE III)	28 Jul 2020			

Sample location	Date of measurement	Sampling time		an a					
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CHFC 4130	26/5/2021	0853	Fine	0	Ø	0	20.9	31/10/1	2.5
	2615/2021	1555	Fine	0	0	0	20.9	30/1009	2.5
Clifc 0490	2615/2021	1900	Fine	0	\$	0	20.6	31/10/1	2.5
	26 15/2021	1410	Fiae	0	0	0	22.9	30 / 1009	2.5
Pitc	2.6/5/201	ogir	Fine	Ð	0	0	20.9	31/1011	8
	26/5/204	1418	Fre	9	0	0	20.9	29/1009	8
137 Pit C	26/8/2021	0645	Fire	D D	C	0	20.9	31/1011	7
	26/8/2021	1447	Fine	Û	2	0	20.9	30 / 1009	7
151 Pit B	26 15/2021	0955	Fine	0	0	0	20.9	31 / 1011	2.6
	26/5/2021	1477	Fire	G	0	0	20-9	31/1008	8.6
131 Pit A	2615/2021	1005	Fine	ρ	0	9	20.9	32/1011	8.7
	26/5/2021	1505	Fire	Û	0	Û	20.3	31/1008	83
WRFI	26/3/2021	1015	Five	0	c	0	20.9	52/1011	2.8
	26/×/204	1212	Fine	0	0	U	20.9	51 /1003	2.8

Signature ð Ting Wai Kin (Safety Officer [RenoPipe])

Name & Designation

Date 26/5/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Contract no. 13/WSD/16 Malnlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxidc(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
WPR 2	26/8/2021	(025	Five	0	Û	0	20.9	32/1011	2.8	
	26/8/2021	1525	Fire	9	0	0	Zen	32/1005	2.2	
WR4	26/5/2021	1055	Fine	0	9	0	2.0.9	32/1011	4-	
	26/5/2021	1535	Fine	0	C	0	20.9	32/1022	4	
WPF 3	26/8/2021	loux	Five	9	C C	0	20.9	72/1010	28	
	26/3/2021	1845	Fire	0	G	0	20.9	32/1008	2.0	
Pit A	26/5/2021	1058	Fire	0	9	0	20.9	32/1010	\$	
	26/5/2021	(555	Fiv	0	Ó	C	20.9	22 / 100 2	5	
Pit B	26/5/2021	105	Fire	C	C	- -	209	32/1010	3.6	
	26/5/2021	605	File	0	0	0	20.9	32-/1208	3.5	
								+ · /, · —		
			-	·				+·/;		

Name & Designation

Signature Date

26/3/2021

Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANACEMENT

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Contract no. 13/WSD/16 Mainlaying in: Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring --Field Measurement Recording Sheet

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Name of site: 13/WSD/19 - Main/aying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
Aces A	25-5-2021	0830	Fine	C	0	0	20.9	30/1011	N.N.	
	28-5-2021	1250	Fine	0	0	0	25.4	28/1010	5.5	
	28-8-2021	1700	Fire	i C	0	G	20.4	29/1008	2.5	
Area B	25-5-2021	0 845	Ene	Ũ	0	0	20.5	29/1011	2.5	
	25-5-221	1345	Fine	j C	0	С	20.9	28/1010	2.5	
	25-5-224	1645	Fine	ê.	0	0	20.0	29/1008	2.5	
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		<u> </u>					<u> </u>	<u> </u>		
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	Name & Designation Signation	enature	<u>Date</u>	
Field Operator:	Ting Wai Kin (Safety Officer [RenoPipe])	Ð	25-5-2021	
Laboratory Staff:				
Checked by:	C.F.cham (Foreman)	10p.	Xi-i-x0x1.	
ENVIRONMENTAL RESOURCES MAN/	CEMENT .	1	3	ENVIRONMENTAL PROTECTION DEPARTMENT



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-250C (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	g Monitoring wells / Surface Gas Emission					·4 .48. ·	
		-	Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxyger (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
(14.FL 4+50	25/x/2011	0857	Fine	0	0	0	209	22/1011	2.5
-	28/8/221	1388	Fine	0	0	0	20.9	28/19/2	2.5
CH.FCOTOD		0900	Fine	0	D	0	2.0.2	28/1011	2.5
	25/5/2021	1400	Fire	0	0	0	20.9	23/10/0	2.5
Pitc	25/11/24	2912	Fine	0	2	J	20.9	28/1012	3
	25/5/2021	1415	Fire	0	0	D	20.9	28/1010	8
137 Pit C	28/8/2021	0445	Fine	0	ð	2	22.9	28/1012	7
	LS / X/201	1443	Fire	0		2	20.9	28/1004	7
137 Pit B	25/5/2021	0933	Fine	9	D	0	20.9	28/1012	8-6
	25/5/2011	477	Fine	0	J	2	20.9	28/1004	8.6
137 Pit A	25/5/2021	1995	Fine	0	2	9	20.9	28/1012	8.3
	28/8/204	1508	Fire	0	0	2	20.9	28/1009	3.7
WPRI	28/8/2021	jaly	Fire	0	J	ð	20.9	23/1012	2.8
	25/5/2011	1212	Fire	0	0	0	20.2	28/1219	2.8

<u>Name & Designation</u> <u>Sig</u> Ting Wal Kin (Safety Officer [RenoPipe])

<u>Signature</u> Pipe])

Field Operator:

Special of .

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

Date

25/5/2021



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement					Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (•C) / Pressure (mbar)	Remark Depth (m)				
WPR 2	28/3/2011	1025	Flac	0	0	0	2.1.2	28/1012	2.8				
``	28/5/2021	1525	First)	9	0	22.9	29/1029	28				
WPR 4	28/3/2021	1047	Five	0	0	0	20.9	28/1012	4				
	25/5/2021	1575	Fine	0	0	0	20.3	29/1029	4				
WIR 3	28/8/204	1045	F.Ne	0	0	0	223	28/1012	2.8				
	25/5/2021	1345	Five	0	2	3	20-9	24/1021	2.8				
Pir A	2515/2041	1253	Fine	0	0	ŷ	209	25/1012	- 5				
<u> </u>	25/5/2021	1777	Five	Ŭ	0	ú	20.2	29/1009	Y				
P.7-B	25/3/204	reif	Fire	Q	4	Û	20.9	23/1012	7.5				
	25/5/2021	1605	File	0	C	0	20-9	29/1009	4.6				
								<u> </u>	[
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]							1					

Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

Signature Date

25/5/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring —Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Acea A	24-5-2021	0830	Fire	0	0	0	20.9	29/1010	3.5
	24-5-2021	1530	Fire	0	Û	0	209	28/100	77
	24-5-2021	1700	Fine	0	Q	0	20.2	30/1008	5.5
Hrea B	24-5-2021	0847	Fine	C	0	2	20-9	29/1010	2.5
	24-5-2021	1345	Fire	C	0	0	20.2	27/1009	2.5
	24-3-221	1645	Fine	G	0	Ŭ.	20.9	31/1008	2.5
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	-							1	
	······					······································	· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u>i</u>
					l			/	<u> </u>

	Name & Designation	Signature	Date	
Field Operator:	Ting Wal Kin (Safety Officer [RenoPi	ipe]) A	24-5-2021	
Laboratory Staff:				
Checked by:	C.F. dan (Foreman)	Top-	24-5-2021.	
ENVIRCEMENTAL RESOURCES MAN	NAGEMENT		3	ENVIRONMENTAL PROTECTION DEPARTMENT



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

ENVIRONMENTAL PROTECTION DEPARTMENT

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission								
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)		
CHEC 4170	24/2/2021	0857	Fire	0	0	0	229	30/1011	2.*		
,	24/3/2021	1357	Fire	0	0	Û	26.9	28/1004	2.5		
CH.FC Otho		3400	Fine	ð	0	0	20.9	30/1011	2.5		
·	24/5/2021	1400	Fine	p	0	0	20.9	23/1019	2.5		
P:2 C	24/5/2021	0917	Fine	0	0	0	20.9	30/10/1	À		
	24/5/2021	1418	5.25	. J	0	2	20.9	28/1909	8		
131 Pit C	24/5/2021	2A4Y	Fire	0	0	0	20.9	30/1011	-7		
<u> </u>	24/5/2021	lyner	Fire	Ĵ	0	0	20.9	29/1004	-		
151 117 \$	24/5/2021	2655	Fire	6	0	1 0	20.9	29/1011	8.6		
	24/5/221	1455	Fire	U	0	9	20.9	29/1009	8.6		
151 Bit A	24/5/2021	100 \$	Fine	0	J	0	20.9	29/1011	8.7		
<u>_</u>	24/5/2011	1265	Fine	4	0	0	20.8	24/1009	8.7		
WIPZ 1	24/5/2021	1015	Fire	0	0	0	20.9	29/1011	2-8		
	24/5/2021	1215	Fire	0	0	0	20.9	29/1003	2.8		

d Operator:

Name & Designation Signature

Date

Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

24/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Acuity Sustainability Consulting Limited



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of sitc: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Dates calibrated
28 Jul 2020

	1	Sampling time	Monitoring wells / Surface Gas Emission						
		Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
WIK 2	24/5/2021	1028	Fire	0	0	0	20.5	29/1011	2.8
	24/5/2021	1525	FILE	0	0	2	20.9	2-4/1008	2.8
WIK 4	24/5/2021	1047	Fire	0	0	3	20.9	24/1011	24-
	2415/2021	1575	Fine	ů	0	0	20.9	30/1008	ب
WIK 3	24/5/2021	1045	Fine	0	0	Ö	20.9	29/1011	2.8
	24/5/2021	1547	Fire	0	0	9	20.9	30/1908	2.8
Pit A	24/5/2021	(055)	Fire	٥	0	0	20.9	29/1011	3
	24/5/224	122	Fire	0	0	0	20.9	30 / 1008	5
Pit B	2415/2021	105	Fire	Û	0	Ĵ	20.9	29/1011	3.6
	2417/2021	1605	Fire	0 .	0	3.	22.9	30/1008	3.0
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Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

Signature Date

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24/5/2021

Field Operator:

ciator.

Laboratory Staff:

Checked by:

Environmental Resources Management

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
	1		Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
ATRA A	22-3-2021	0330	Fiat	0	0	: 0	22.9	2-9/ 1003	3.5	
	22 - 5 - 2921	1530	Fine	0	, j	0	20.9	33/ 3005	5.5	
	22-5-254	1730	Fire	8	. 0	0	204	32/ 100%	5.5	
Area &	22-5-204	of4r	Fire	0	1 0	0	2.0.9	30/1008	2.5	
	22-5-204	1345	Fire	i o	0	C	20.9	57/1006	2.5	
	22-5-2021	1647	Fine	Ø	0	0	20.1	32/ 1005	2.5	
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					<u> </u>			1		
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Name & Designation Signature Date ∄ 22-5-2021 Ting Wai Kin (Safety Officer [RenoPipe]) Field Operator: Laboratory Staff: ~bf Checked by: cit-draw (Freinan) >1-5-2-2021 ENVIRONMENTAL RESOURCES MANAGEMENT ENVIRONMENTAL PROTECTION DEPARTMENT 13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission								
	: 		Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)		
CH.FC 4+70		080.	Eine	0	Ø	0	20.9	41/100k	2.5		
	22/2/2021	1355	Fine	6	C	2	229	32/1000	2.5		
CH.FCOHQ.	22/5/204	1900	Pire	0	0	0	20.9	31/1008	2,5		
	22/5/2021	400	Fine	ρ	Ģ	J	20.9	32/1006	2.5		
Pitc	22/5/2021	0612	Fire	ð	0	0	20.4	71/1008	8		
	22/5/2021	1415	Fine	ρ	0	ú	20.9	33/ 100+	8		
131 P.4 C	22/5/2021	094s	Fine	0	0	C	209	1 31/1098	1		
	22/5/201	1449	Fine	P	0		20.9	47/100%	L. L.		
In Pit B	22/5/2024	0455	Fine	ø	0	0	209	71/1008	8.6		
	22/5/2021	1477	Fine	0	0	ð	20.9	57/1005	8.0		
147 Pit A	22 5/2021	1905	Fine	0	S	0	20.4	30 / 1003	\$.7		
	22/2/2221	1202	Fine	Û	0	0	20.9	32/1005	8-7		
WRET	22 18/2021	1015	Fire	Ö	0	0	20-3	30 / 100\$	0.6		
	22/7/2021	7123	Fine	0	0	0	20.9	32/1005	0.6		

Name & Designation Signatu Ting Wai Kin (Safety Officer [RenoPipe])

 $\frac{\text{Signature}}{22} \xrightarrow{\text{Date}} 22.15/2021$

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESCURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time		Monitoring wells / Surface Gas Emission						
				Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPR-2	21/8/2021	1025	Fiv.	9	0	Ø	20.9	31/1003	2.8	
	22/5/2024	1525	Fire	Ģ	0	, 0	20.9	22/ 100×	2.8	
WR 4	22/5/2021	041	File	0	0	0	229	31/1028	25	
	22/8/2021	N9	Fine	Û	9	0	20.3	32/1075	4	
WPL 3	22/5/2021	1047	Fine	0	0	0	22.7	31 /1002	2.8	
	22/8/2021	1547	Fire	Û	0	Û	20.9	72/ 100%	2.3	
Pit A	20/8/2021	1055	Fine	ð	0	Ų	20.9	71 / 100%	×	
	22/8/2021	1575	Fire	0	<u>î</u>	C	20.9	32 / 100 5	-5	
DAB	22/5/221	1102	Fire	0	C	0	20.9	31/1002	7.6	
	22/3/221	1603	Five	0	0	0	20.9	32/1005	3,6	
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Name & Designation Sin Ting Wal Kin (Safety Officer [RencPipe])

Signature Date

Field Operator:

22/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Centract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
Arka A	21-2-201	0810	Fire	Ø	3	0	2.0.9	30/1009	7.5	
	21 - 5 - 2021	1449	Fine	Ç	4	0	264	33/1007	22	
	21-5-2021	1700	Fire	, Û	G	0	22-7	32/1006	3.5	
Area B	21-5-2021	0547	Fine	0	C	0	70. Ŷ	30/1009	2.5	
	21-5-2021	13.47	Fine	Ŷ	٥	0	20.9	34/1007	1.5	
	21-5-2021	1647	Fine	N	0	0	20.9	32/ 1006	2.5	
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	}				1		[/		

	Name & Des	ignation	Signature	<u>Date</u>	
Field Operator:	Ting Wai Kin (Safe	ty Officer [RenoPipe	1) A	21-5-2024	
Laboratory Staff:					
Checked by:	C. Fehrn.	(Tween)	6	21-5-2021	
ENVIRONMENTAL RESOURCES MA	ANAGEMENT				ENVIRONMENTAL PROTECTION DEPARTMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
C11.F= 4170	2/2/2021	0822	Fire	0	0	0	22.9	30/1009	2.5
	2/15/201	(355	Fiae	U	0	0	20.9	35/1027	215
(H.FC0+90	21/5/2024	0200	Fire	2	0	0	20.3	30 / 1004	2.5
<u> </u>	21/3/2011	1400	Fine	0	0	C	20.9	34/1001	2.5
Pitc	21/5/2021	OglX	Fine	0	0	0	20.9	70 / 1010	8
	21/ 7/2021	1495	Fire	0	0	0	20.9	51/1007	8
is Pit C	21/3/2021	0945	Fire	0	0	0	20.9	30 / 1010	7
	21/5/2021	1445	Fire	0	C	0	20.9	33 /1006	1
137 Pit B	21/3/2024	OAXY	Fine	0	0	0	20.9	30 / 1004	8.6
	21/5/2021	14xr	Fine	C .	0	0	20.4	33/1006	8.6
131 Pir A	21/ 5/2021	1005	Fine	0	0	0	20.9	31/1009	83
	21/5/2021	107	Fine	0	0	C	20.9	37/1006	8.4
WRFI	LI/Y/DU	1013	Fine	0	0	0	22.9	31/1024	0.6
	21/5/2021	(212	Fine	0	0	0	20.9	33 / 1006	0.6

 Name & Designation
 Signation

 Ting Wal Kin (Safety Officer [RencPipe])

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Signature Date

Field Operator:

21/5/2021

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Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission								
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)		
WIR 2	21/5/2011	1025	Fire	0	0	0	20.9	31/1009	2.8		
	21/ 7/2021	1725	Five	0	0	0	20.3	34/1006	2.3		
WK 4	21/5/2021	037	Fire	0	0	0	20.3	31/1004	4		
	21/8/204	1535	Fine	С	.)	0	229	33 /1006	4		
WAR 3	21/4/204	10497	Fine	0	2	0	20.3	31 /1209	2.8		
	4/5/204	1545	Five	0	9	0	20.9	39/1006	2.8		
Pit A	21/5/204	2001	Five	0	0	0	20.9	31/1009	3		
	21/5/204	177	Fire	0	2	0	20.9	33 /1006	-5		
Pit G	21/5/204	1105	Fiaz	Ð	0	0	70.9	71/1009	3.5		
	2115/204	1605	Fire	C	0	0	20.7	34 / 1005	3.6		
								<u> </u>			
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Name & Designation

Signature Date

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Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

21/8/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated		
PGM-2500 (QRAE III)	28 Jul 2020		
	1		

	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission								
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)		Temp (°C) / Pressure (mbar)	Remark Depth (m)		
Ates A	20 - 4-2021	0 3 32	Fire	0	C	0	20.9	30/1009	X.S		
	20-5-2021	1530	Fire	0	0	0	20.9	37/1007	5.5		
	20 - 2 - 2021	170,2	Fire	0	0	э	20.9	31/1007	8.5		
Atea B	26 - 5 - 2021	2347	Fire	ð	3	0	20.9	30/1004	2.5		
	20-2-2-204	134Y	المراج	0	a	0	20-4	35/1007	I.5		
	20-5-204	1645	Fine	0	0	0	20.9	72/1007	2.5		
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Name & Designation Ting Wai Kin (Safety Officer [RenoPipe]) Field Operator: Laboratory Staff:

Date 20-5-204

20-5-2021

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Signature

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C-Juhann (Foreman) Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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13/WSD/16 - Mainlaying in Tseung Kwan O Name of site: Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	j 28 Jul 2020

Sample location	Date of measurement	Sampling time	*	Monitoring wells / Surface Gas Emission					
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CH.FC 4450	20/5/202	0355	Fine	0	0	0	20.9	30/1009	2.5
	2/5/2021	1355	Fire	9	0	0	20.9	33/1007	2.5
CHAFC 0490	20/5/2021	0400	Fine	D	0	J	20.9	30/ 1009	2.5
	20/shoy	1400	Fire	G	0	0	209	37/1007	2.5
PATE	20/5/201	0415	Fine	0	,	0	2.0.3	30 / 1009	8
L	20/5/2021	1415	Fire	0	0	0	20.9	32/1007	8
131 Pit C	21/8/2021	02448	Fine	0	C C	0	20.9	30 / 1009	1 7
	10/5/222	1447	Fire	0	0	Û	20.9	32/1071	1
171 Pit B	20/5/2021	2.957	Fire	0	0	0	20.9	30 / 1029	8.6
	2018/2021	1455	Fine	0	0	0	20.9	32 / 1007	8.6
I'm Pit A	20/x/2021	005	Fire	0	0	0	20.9	31/1027	8.3
	20/5/2011	1508	Fine	0	٥	0	22.3	32/1007	8.7
MET	20/5/2021	1017	Fine	C	Û	0	20.9	31/1001	0.6
	20/3/2021	1212	Fire	Û	0	9	20.9	32 / 1007	0.6

Ting Wai Kin (Safety Officer [RenoPipe])

Name & Designation

Date 20/5/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Signature

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission					1	
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WR 2	20/5/2021	IOLY	Fire	0	0	0	209	51/1009	2.8
	20/8/2021	1525	Pint	Ð	0	0	20.9	32/1017	2.8
WR 4	20/8/2021	035	File	0	ú	0	20.9	31/ 1009	24
	20/5/2021	1547	Fire	0	0	g	20.9	52/1007	4
WRK 3	201 × 2021	1048	Five	0	0	0	20.9	3 / 100 9	2.8
	20/2/2021	545	Fire	0	0	0	2.0.9	32/ 1087	2.8
V:7 A	2015/2021	1255	Fire	0	0	C	20.9	31 / 1009	X
1	20/5/2021	177)	Five	ρ	0	0	Z0.9	32 / 1007	5
Pit B	20/SMOLI	1107	Fine	0	0	D	20.3	31/1019	3.6
	20/8/2021	1601	Fine	0	0	0	20.9	72/1007	3.6
									· · · · · · · · · · · · · · · · · · ·
			-					1 /	· ·
			<u>}</u>		1			1	

d Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

Name & Designation

Signature Date

20/5/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
Aren A	18-5-2021		Fine	0	C	0	20.1	30/10/1	2.5	
	18-5-2024	1330	Fine	Û	ົລ	0	22.9	71/1003	3.5	
	18 - 5 - 2021	701	Fine	3	j j	e	20.7	31/1007	3.5	
Area B	18 - 5 - 2021	ଜୟା	Fire	0	3	£	2.0.3	30/10/1	25	
	18-5-2021	1547	Fine	0	c	0	20.9	30/1033		
	18-5-20Zi	1648	Fine	ð	0	0	20.4	30/1007	2.5	
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		ļ								
	_	ļ			1		<u> </u>	1 /		
		ļ						· · · /, · · ·		

	Name & Designation	Signature	Date	
Field Operator:	Ting Wal Kin (Safety Officer [RenoPip	oe]) 🕂	8-5-202	
Laboratory Staff:				
Checked by:	(Fechan (Foretwen)	101.	18-5-2021	
ENVIRONMENTAL RESOURCES MANAG	CEMENT .	13	3	ENVIRONMENTAL PROTECTION DEPARTMENT



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-250C (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Menitoring w	vells / Surface G	as Emission		
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CH.FC 4+70	18/8/2021	0822	Fine	0	ð	0	20-9	32/1011	2.5
	18/5/2021	1255	Fine	C	0	0	22.9	31/1008	2.4
CHECOTAO	\$ X / 2021	50	Fine	Û	0	0	20.9	30/10/1	45
	18/5/2021	400	Fine	ũ	Û	0	20.4	31/1008	2.5
PrC	18/5/2001	0411	Fine	0	D	0	20.9	30/1011	8
	18/5/2021	1415	Fine	Ø	0	0	20.9	71/1008	8
171 P.7 C	18/5/2021	DAAX	Fine	0	0	0	20.2	51/1011	7
	18/5/2021	1441	Fire	C	0	0	20.9	32/1008	7
137 Pit R	13/5/2021	0957	Fini	0	D	0	20.9	71 / 1011	8.6
	13/5/204	1477	Fire	9 '	J	0	20.9	32/1008	8-6
177 Pit A	18/×/2021	008	Fine	Û	0	0	20.9	32/1011	8.1
	18/2/224	1505	Fire	0	0	Ø	20.3	72/1008	8-3
WIFI	18/5/2021	1015	Fire	0	0	ð	20.9	51/10/1	0.6
	18/8/2021	1515	Five	3	o	0	20.9	32/1001	0.6

Ting Wai Kin (Safety Officer [RenoPipe])

Name & Designation

<u>Date</u> | 8/5/202 |

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

Signature



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time		ατ η τους εχωγογ οπιατός της	Monitoring w	/ells / Surface G	las Emission		
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WIR Z	18/8/2021	1:2.7	Fire	v	ð	0	20.9	31/1011	2.1
	18/ 1/ 2021	1525	Fix	Э	D	0	2.8	31/1007	Z-8
WIK 4	18/5/2021	635	Fine	0	0	Q	20.9	32/10/0	4
	12/5/20-1	1557	Fire	0	0	0	20.9	31/1007	4
WPR 3	18/7/2021	1048	Pine	D	0	9	20.9	31/1010	2.8
	18/8/2021	13 47	Fine	Q	э	0	20.2	30/ 100-1	2,3
Pir A	8/5/2021	1077	Fine	O	0	0	22.9	31/1010	~
	18/8/2021	1777	Pine	Ð	0	0	20.9	30 / 1007	× -
月 ;十 吳	13/5/204	1105	Fine	ລ	0	0	20.9	31/1010	7.6
	13/8/2011	1605	Fine	<u> </u>	0	9	20.9	70 /1007	1 7.6
··-									
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							<u> </u>	ļ/	
L		1							

Name & Designation

Signature Date

Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

18/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020
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Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
Ara A	17 -5-204	0330	Fire	U	Ç	0	26.7	30/1011	23	
	11 - 2 - 2021	1330	Fine	0	0	Ð	229	33/1011	Y .5	
	17-5-2021	150	Fine	0	C	0	72-7	31/1018	3.5	
Atra \$	17-5-2021	0347	Fine	0	<u>, 0</u>	Û	22.3	31/1011	1.5	
	17 - 3-2021	(345	Fine	¢.	C	Ů	20.9	72/10/1	2,5	
	11-5-2021	645	Fink	2	ê	0	2.1.4	71/1008	2.5	
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	· ·							<u> </u>		
			• • • • • • • • • • • • • • • • • • •					+ <u> </u>		

	<u>Name & De</u>	signation <u>Signature</u>	Date	
Field Operator:	Ting Wai Kin (Sai	fety Officer [RenoPipe])	17-5-2021	
Laboratory Staff:				
Checked by:	(-F. chan	(Friekan) log	17-5-2021	
ENVIRONMENTAL RESCURCES MA	NAGEMENT	· · · · · · · · · · · · · · · · · · ·	13	ENVIRONMENTAL PROTECTION DEPARTMENT



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-250C (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Monitoring w	vells / Surface G	as Emission		
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
(11FC 4170	17/5/2011	0,822	Fine	0	2	0	20.9	30/1011	2,×
	17/5/2021	1255	Fine	0	ð	9	20.9	32/1002	2.5
CIF.FC 0440	17/5/2021	0900	Fire	0	J	J	20.9	30/1011	2.7
	1/5/2021	1400	Fiae	Э	D	Q	20.3	32/1007	2.7
<u> </u>	117/5/2021	PAIN	Fine	0	0	0	20.9	30/1011	<u>A</u>
	17/5/22	1415	Fine	0	Ð	0	20.9	32/1009	<u>&</u>
141 Pit C	17/5/2021	094	Fine	2)	ð	20.9	31/1011	7
	17/5/2011	1440	Fine	0	3	0	20.9	32/1000	7
157 Pit B	17/5/2021	0 <u>4</u> XX	Fine	D	Э	Ş	20.9	31/1011	8.6
	17/5/2021	1455	Fire	Ĵ	Ð	0	20.9	32/1009	8.6
137 PH A	17/5/2021	100%	Fire	D	J	0	20.9	71/1011	8.7
- 7	17/5 port	108	Fire	0	0	J	2.0.9	33/1004	8.7
WRFI	17/5/2021	loir	Five	0	0	0	20.9	31/1011	0.6
	17/5/2021	Irix	Fine	J	Q	0	20.9	34 /1009	0,6

Name & Designation Signature

Ting Wai Kin (Safety Officer [RenoPipe])

Field Operator:

<u>Date</u> (7/X/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring -Field Measurement Recording Sheet

13/WSD/16 - Mainlaying in Tseung Kwan O Name of site: Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxyger (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPR Z	1/5/2021	1025	Fine	Q	0	3	202	31/101	2.8
	11/2/2021	1825	Fire	0	2	0	2.5	52/ 1008	2.3
WPK 4	17/204	1055	File	Q	0	0	zag	31/101	4
·· · · · · · · · · · · · · · · · · · ·	17/5/204	1545	F.'ve	Э	э	0	223	32/1003	4
WPF 7	11/5/2021	1943	Fire	0	3	0	20.3	31/1011	2.8
	17/5/2001	1547	Fire	J	đ	0	23.9	31/1008	23
<u> </u>	17/8/2021	10.55	Fine	σ	9	0	20.9	31/1011	×
	17/Shou	1777	Fine	ļ	Ş	0	20-9	31/1002	7
Pit B	17/5/204	1105	Fine	0	ŋ	0	22.9	31/1011	3.6
	17/5/2021	1605	Fire	-Q	0	3	Z.0.9	31/1008	3.6
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		<u> </u>							

Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

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Date

Field Operator:

Signature 17/5/221

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/:6 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	15-3-200	0350	Fire	0	0	0	22.9	30/1010	>.5
	15-5-200	1 3 3 9	Fine	0	0	0	20.3	31/1009	55
	15-5-2021		Fine	U	C	C C	22.2	31/1007	3.2
AT-2A B	18-5-22	villy	Five	ø	0	0	20.9	30/1010	25
	15-5-2021	1345	Fiv	0	0	0	22.4	32/1009	2.5
	15-5-2024	1:45	Fire	<u> </u>	0	0	20.9	31/1007	2.7
					1				
				·				<u>↓</u>	
					·	·		<u> </u>	L
								<u> - </u>)
L		,						<u> </u>	، ۱

	Name & Designation S	ignature	Date	
Field Operator:	Ting Wai Kin (Safety Officer [RenoPipe])	A	12-2-2021	
Laboratory Staff:				
Checked by:	C-Jehonn (Foremon)	-pf.	15-5-201.	
ENVIRONMENTAL RESOURCES MANA(JEMENT .	13		ENVIRONMENTAL PROTECTION DEPARTMENT



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
	-		Wcather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
() tife 4430	15/5/2021	0257	Fine	0	0	0	20.9	30/1010	2.5
	15/5/2021	1355	Fine.	2	D	0	22.2	32/1006	2.5
C.H.FC Otgo		<u>ວຕິ</u> ວວ	Fine	0	0	0	20.9	30 / 10/0	2.5
	15/5/2021	1400	Fine	0	0	0	20.9	32/1008	2.5
Pitc	15/5/2021	ogir	Fine	0	0	0	20.9	71/1010	g
	15/5/2021	1415	Fire	Q	Û	0	20.9	32/ 100}	8
137 Pit C	15/5/2021	0947	Fine	G	0	0	20.9	31/1010	7
	15/5/2021	1445	Fine	C	0	0	20.9	31/1003	7
137 RT B	15/5/2001	6957	Fine	0	Û	D	20.9	51 / 1010	8.6
1.000	15/5/2011	455	Fire	Q	C	0	20.9	31/1008	8.6
137 pt 1A	15/5/2021	(30 Y	Fire	0	0	0	20.9	31/1010	8.2
	15/5/2021	1202	Fire	0	0	0	29.9	51/1008	8.1
MIFI	15/3/2021	loly	Fine	0	0	0	20.9	51/1010	0.6
	15/5/2021	515	Fine	Û.	0	0	20.9	31/1201	0.6

 Name & Designation
 Signature

 Ting Wai Kin (Safety Officer [RenoPipe])
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Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

Date

15/5/2021



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WYE Z	15/5/2021	iozy	Fine	۵.	0	0	20.9	32/1010	2.8
	18/5/2021	1525	Fire	2	0	2	20.9	31/1007	2.8
WPL 4	18/8/104	1035	Fire	0	0	Ó	20-9	31/1010	4-
· · · · · ·	15/5/2021	55	Fine	0	0	0	223	32/1007	4-
WIF 7	15/5/2021	1045	Fire	9	0	C	20.9	31/1010	2.8
	18/8/2021	154Y	Fine	0	Э	3	20.9	32/1007	2.8
Dir A	15/5/2021	1055	FILE	ρ	0	0	20.3	71/1010	
<u> </u>	15/5/2021	1777	Fire	0	g	0	2.2.9	31/1007	×
Rit B	18/5/2021	1105	Fige	0	0	0	20.9	31/1010	3.6
	18/19/2021	16c-5	Fire	0	0	0	20.9	71 / 1007	3.6
								<u> </u>	
·····	<u> </u>				· · · · ·	····	<u> </u>	· /_ ·	

Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

Signature Date

15/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

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		Sampling time								
		Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)		
Aren A	14-5-2021		Fire	0	0	0	20.9	29/1010	3.5	
	14-5-2021	1340	Fire	\$	0	3	203	37/1008	7.2	
	14-5-204	1700	Fine	2	0	ß	26.9	30/1007	2.2	
Area 3	14 - 5 - 202	0847	Fine	D	0	J	20.3	29/1010	2.5	
	i4 - X - 204	1345	F.'~*	3	Ĵ	0	20.9	33/1008	Ζ.Υ	
	18-5-2021	(647	Fine	0	3	0	20.9	31/ 1007	2.5	
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			<u></u>					. /	l	

	<u>Name &</u>	<u>& Designation</u>	Signature	Date	
Field Operator:	Ting Wai Ki	n (Satety Officer [RenoPip	e]) 🖁	14-5-2021	
Laboratory Staff:					
Checked by:	C-Jahon	(Foreman)	b	14-5-1021	
ENVIRONMENTAL RESOURCES IN	IANAGEMENT		13		ENVIRONMENTAL PROTECTION DEPARTMENT



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission					<u>99</u> ,	
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CH.FC 4tro	14/5/2021	0855	Fire	Ū	0	0	2.2.9	30/1010	2.5
	14/5/204	1358	Fine	0	0	0	2.0.9	1 31/1008	2.1
Clt.FC 0 the		0400	Fine	C)	J	20.9	30/1010	2.7
	14/2/201	1409	Fine	0	0	0	22.9	41/1208	25
pt c	14/8/2001	2918	Fire	0	0	0	20.9	30 / 1010	8
<u>_</u>	14/5/2021	418	Fire	0	0	0	22.9	31/1008	§.
13 Pit C	14/5/2021	0644	Fine	0	0	0	20.9	30/1010	- <u>-</u>
	14 18 /2024	144×	Fin	0	0	0	22.9	31 / 1002	7
In Pit B	14/5/204	0455	Fine	0	0	J	22.9	30 /1010	8.6
	4/5/2021	195	Fine	D	Q	0	22.8	31 / 1003	2-6
131 Rit A	14/5/2021	1005	Fire	Q	0	0	2.2.7	31/1010	8.3
	14/3/204	(202	Fine	D	0	0	20.9	31 / 1008	8.2
Wilt 1	14/5/2021	615	Fire	¢ .	0	0	20.9	31/1010	1.5
[14/5/2021	1212	Fire	Û	0	C	20.9	51 / 1208	1.5

Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

Signature

Date

1415/2021

Field Operator: Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						• • • • • • • • • • • • • • • • • • •
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPR 2	14/5/2011	025	Fire	û	0	0	20.9	31/1010	2-8
	14/8/201	iver	Fine	0	0	0	20.9	51/ 1008	2.5
WPR 4	14/5/2011	045	Fire	0	0	0	20.9	71/1010	4
	14/5/1021	1547	Fini	ρ	Q	0	20.9	51/ 1003	4
WIR 3	14/8/2021	1047	Fire	5	C	0	20.9	31/010	2.8
	4/5/2021	1547	Fire	ð	e	Q	20.9	71/1092	2.8
Rit A	14/8/2021	1055	Fire	0	C	ß	204	7:/1010	5
	14/5/2021	1557	Five	Ø	ð	Q	20.3	31/1005	5
Pit &	14/5/2021	Has	Fine	ð	D	0	20.3	31/1010	3.6
	14/5/2021	16:3	Fige	0	0	0	20.4	7: / 1008	3.6
								+/-·································	
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Name & Designation

Signature Date

Field Operator:

Ting Wal Kin (Safety Officer [RenoPipe])

14/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



13/WSD/16 - Mainlaying in Tseung Kwan O Name of site: Date of measurement:

Name & Designation

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Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

ENVIRONMENTAL PROTECTION DEPARTMENT

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	13-5-2021	0849	Fine	0	¢	0	20.3	2-9/1010	- 55
	19-5-204	1350	Fine	0	0	Û	201	30/1004	22
	19-5-204	100	tine	0	C	a	20.3	30/1007	2.2
Area B	12 2021	0345	Fine	2	٥	۵	2 <i>2.</i> î	28/1010	2.5
.	13-5-2021	1348	Fine	5	0	D	20-5	30/1008	2.5
	19-5-20-1	1045	tine	C	i)	C	20.9	30/1007	2.7
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Field Operator:

<u>Date</u> 13-5-2021

13-5-2021

Signature A Ting Wai Kin (Safety Officer [RenoPipe])

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(Forena)

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

Acuity Sustainability Consulting Limited



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-250C (QRAE III)	28 Jul 2020
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	}

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
(4.FC 4+70	13/8/2021	02××	Fine	0	0	0	20.9	27/ 1010	2.1
	13/5/24	1355	Fine	Ð	0	J	22.9	30/ 1028	2.5
C14.FC 04910	14/ 3/ 2021	040 <i>0</i>	Fire	0	0	D	20.9	2.8/1010	2.5
	17/8/2021	K4.70	Fine	Û	0	0	209	30/1932	2.7
Pitc	14/ 3/2021	2918	Fire	0	0	Ů	20.9	28/1010	8
	14/3/2021	1415	Fine	0	0	0	20.9	30/1002	3
137 8.2 0	13/5/2021	36448	Fire	Û	0	0	20.9	23/1010	7
	17/5/2021	1447	Fiar	0	0	0	20.9	30 / 1003	7
197 Pit B	17/5/021	39.55	Flax	0	0	0	20.9	29/1010	8.6
	13/5/204	1455	Fine	0	0	0	20.9	51/1003	8.6
141 Pit A	13/ ×/2001	19 05	Fiae	0	0	0	20.9	30/1010	8.}
	13/5/2021	1505	Fire	0	0	0	20.9	31/1003	8.7
WPRI	3/8/204	1018	Five	0	0	0	20.9	30/1010	1.5
	17/5/24	1515	Five	0	0	0	20.9	51/1002	1.5

<u>Name & Designation</u><u>Signatu</u> Ting Wai Kin (Safety Officer [RenoPipe])

 $\frac{\text{Signature}}{\text{A}} \qquad \frac{\text{Date}}{\frac{13}{5}/2621}$

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time									
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)		
WYF 2	13/15/2021	1029	Fire	0	0	.0	20.6	40 / 1010	2.8		
	4/5/2021	525	Fine	0	0	0	20.3	31/1007	2.8		
WIL 4	19/5/2021	1275	Fine	9	Э	2	20.9	30/1010	4		
	13 / 5/2024	1878	Fire	0	0	0	2.2.9	32/1007	4		
WRL 7	13/1/2021	1048	Fine	0	0	0	20.3	30 / 010	2.8		
	13/5/2021	1548	Fine	0	0	0	20.9	51/1007	2,5		
<u> 8:2 13</u>	14 / Y /2021	077	Fire	ð	1	û	22.9	31/1010	3		
	13/5/2021	(55)	Fire	9		0	20.9	31/107	X		
Pix B	19/15/2021	10-1	Fire	0	1	0	20.9	31 / 1010	7.6		
ļ	13/5/2021	1601	Fire	2 .	0	0	20-9	31 / 1007	3.6		
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 Name & Designation
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 Ting Wai Kin (Safety Officer [RenoPipe])

Signature Date

13/5/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated			
PGM-250C (QRAE III)	28 Jul 2020			

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Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxyger (%)	Temp (•C) / Pressure (mbar)	Remark Depth (m)	
Ares A	12-5-204	0831	Fire	0	3	0	20.9	29/ 1009	2.2	
L	12-5-200	1350	Fine	3	0	3	229	30/ 1008	3.5	
(12 - 5-2041	1700	Fine	0	0	9	2.04	30/1006	7.5	
Area 13	12-5-221	c 948	Fire	0	ð	Q	20.9	30/1009	2.5	
	12 -5 - 204	1347	Fine	0	0	0	26-9	31/1008	2.7	
	12 - 5 - 2021	1648	\$;~e		0	0	20.9	30/1006	25	
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	Name & Designation	Signature	Date	
Field Operator:	Ting Wai Kin (Safety Officer [RenoPip		12-3-2021	
Laboratory Staff:				
Checked by:	C.J. Cherry (Follow)	sp.	12-5-2021.	
ENVIRONMENTAL RESOURCES MAN	AGEMENT	1	3	ENVIRONMENTAL PROTECTION DEPARTMENT

Acuity Sustainability Consulting Limited



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-250C (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
(11.Fr 4+>0	12/3/2021	0822	Fine	Û	0	0	20.9	30/1099	2.5	
	12/7/2021	1355	Fiae	0	0	2	22.5	51/10:7	2.5	
(14.FC 0+90	12/5/2021	0499	Fine	Û	0	0	20.9	30/1009	2.5	
	12/5/204	1402	Fine	0	Ĵ	9	20.9	31/1007	2.5	
Pite	12/5/2021	0414	Fire	0	C	0	20.9	30/1000	3	
	12/5/2021	1415	Fire	0	0	ð	20.9	31/ 1007	R I	
137 17 6	12/5/2021	094Y	Fine	ð	0	G	20.9	30 / 1010	7	
	12/5/2021	1445	Fire	0	0	0	20.9	30/1007	7	
137 Pit B	12/5/2021	3455	Fire	3	0	Ð	20.9	30/1010	8.1	
	12/5/2021	455	Fine	0	0	0	25.%	30/1007	8.6	
157 Pit A	12/5/2021	(208	Five	G	0	2	20.9	30 /1010	8.7	
	12/5/2021	1505	Fire	0	0	2	201	30/1001	y.,;	
<u></u>	12/3/2021	(015	Fiaz	0	9	3	20-9	30 / 1010	1.5	
	12/1/2021	12/2	Fire	0	0	0	Z.a. Y	30/1007	1.5	

Name & Designation

Date

Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

12/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

Signature



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
WP2 2	12/3/2021	1025	Five	สป	0	0	20.9	50/1010	2.3	
	12/5/224	524	Fine	۵	0	2	229	30/1007	2.8	
W?7 4	12/5/2024	1027	Fire	N	0	0	20.2	50/1010	4	
	12/8/04	173.7	Fine	0	Ø	0	20.9	30/1007	4	
WPF 3	12/5/2021	1045	Fine	0	0	0	20.9	31/1029	2.8	
	12/5/2221	1544	F.N2	.0	0	0	20.9	30 / 1006	2.3	
Pit A	12/5/2021	1055	Finz	0	0	0	203	31/1009	<u> </u>	
4	12/8/2021	()55	Fire	0	0	2	20.9	50 / 1006	7	
Pit B	12/5/2021	1105	Fire	0	0	2	20.9	31 /1009	7.6	
	12/5/221	605	Fire	D	Û.	0	20.3	30 / 1006	7.6	
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Name & Designation Sig Ting Wai Kin (Safety Officer [RenoPipe])

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Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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 $\frac{\text{Date}}{(2/3/2)}$



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020
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Sample location	Date of measurement	Sampling time			vells / Surface G	face Gas Emission			
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
AreaA	11-5-2001	0830	Fix	0	_ ن	0	ZAA	28/ 1010	35
	(1-5-202)	1330	File	0	0	j.	2019	30/1002	\$5
	11 - 5 -2123	1700	File	0	ą	3	20.9	31/1007	72
Areh B	11-2021	ે જે છે.	Fine	Û	0	6	20-9	28/1013	25
	11-5-224	1345	Fire	0	0	0	22.9	31 / 100%	2.5
	11-2-2021	if#r	Fire	0	0	<u> </u>	25.9	31/1007	25
	· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·	
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Field Operator:	

<u>Date</u> ||-5-2021

Laboratory Staff:

Checked by:

c. Telem (Foleman) -1₀+ 1-5-20-1

Signature

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ENVIRONMENTAL RECOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
(11.FC 9150	11/5/2021	03>5	Fire	Ŷ	0	0	20.9	29/1010	2.5
•	11/5/2021	1355	FIRE	0	0	0	2.0.9	30/1002	Z.¥
CM.FC 0490	11/5/2021	9400	Fire	G	0	. 0	20.9	24/1010	2.5
	11/Xhou	14:0	Fire	0	0	0	20.9	30/1005	2.5
Pitc	11/5/2021	0913	Fine	Ø	0	0	20.9	29/1010	8
	11/5/2021	1415	Fine	0	0	Ð	20.5	51/1005	2
177 C	1/5/2024	0948	Fire	0	0	0	20,9	30/1010	7
	11/2/2021	1445	Fine	0	0	0	2.0.7	31/1007	7
157 3	11/5/2021	0953	Fire	0	0	J	20.9	30/1010	8.6
	11/5/2021	1455	Fine	0	0	9	20.9	30/1007	5.6
137 A	11/2/2021	(005	Fire	0	3	0	20.9	30/1010	8.7
1	11/2/2021	1505	Five	I	0	0	20.9	30/1007	8.7
Wife 2	11/5/204	625	Fire	0	0	0	20.9	30/1010	2.8
	11/5/2021	1525	Fine	0	0	σ	20.9	31/1007	2-8

Name & Designation Signature

Ting Wal Kin (Safety Officer [RenoPipe])

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Field Operator:

A 11/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
W14	11/5/202	1035	Fire	0	Ø	0	20.9	30/10/0	4
	11/5/2021	535	Fine	Ç	a	0	20.9	41/1007	4
WPK 5	11/8/2021	1045	Fine	Q	0	0	20.3	30/1010	2.2
	(1/5/2021	1242	Fire	0	2	0	20.9	30/1007	2.3
92 A	11/2/2021	1057	Five	0	0	0	20.9	50/1010	3
	11/2/2024	1875	Fire	D	9	0	20.9	50/1007	×
lit b	11/3/2021	105	Fine	۵	0	0	20.9	30/1010	7.6
	11/3/2021	1605	Fine	0	0	0	20.9	30/1001	3.6
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Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

<u>Signature</u> <u>Date</u>

11/5/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020
	}

· · ·	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Aren A	10 -5-2021	2839	Fire	D	ĉ	0	26.9	29/1010	5.5
	10 - 5 - 2021	1335	Fine	3	G	0	20.9	30/1010	3.5
ļ 	10 - 5 - 2021	1700	FINE	0	ú	6	20.9	30/1007	25
ATTER &	10 - 5 - 2021	C.S.45	Finz	ß	0	: C	20.3	24/1011	2.3
	10 - 5 - 2021	1345	Fire	0	1 0	3	20.3	30/ 1009	2.5
	10-5-20-1	1645	Five	5	: 0	<u> </u>	20.9	30/ 1007	4.5
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	Name & Designation	Signature	Date	
Field Operator:	Ting Wai Kin (Safety Officer [Rend	Pipe])	10 -5- 2021	
Laboratory Staff:				
Checked by:	CJohan (Joann)	14	10-5-202-1	
Environmental Resources Ma	NAGEMENT	1	3	ENVIRONMENTAL PROTECTION DEPARTMENT



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Name & Designation

Ting Wal Kin (Safety Officer [RenoPipe])

Sampling equipment used:	Dates calibrated		
PGM-2500 (QRAE III)	28 Jul 2020		

ENVIRONMENTAL PROTECTION DEPARTMENT

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CH.FC 4170	10/5/2021	0855	Fire	C	0	0	20-5	28/101	2.5
	16 15 /2021	1355	Fine	0	0	0	20.6	30/100%	2.5
CH.FC OTAD	1015/204	0400	Fine.	s	0	0	20.5	28/1011	2.5
	10/1/2021	4:0	Fine	0	0	0	20.6	30/1009	2.5
PAC	10/×/2021	095	Fine	Ð	Û	0	20.9	28/10/1	8
	10/X/2021	ામાડ	Fine	0	Ĵ	0	2.0.9	30/1009	2
137 C	10/5/2024	0948	File	C	0	0	20.9	28/1011	7
<u> </u>	10/2/2011	1445	Fine	0	Э	Û	20.9	30/1009	7
157 8	10/5/2021	0955	Fire	0	Û	ð	20.9	28/1011	8.6
	10 /× 12021	(45)	Fine	0	0	0	22.2	30/1009	8.6
157 A	10 15 /2021	1005	Fire	0	D	0	20.9	28/10/1	8.5
	10/5/2021	505	Fine	0	0	0	20.2	30 / 1008	\$7
WPR 2	1018/2021	102Y	Fine	0	0	0	22.2	28/1011	2.8
	10/5/2021	1525	Fine	0	0	Û	20.9	71/1008	2.3

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<u>Signature</u> ipe])

Field Operator:

10/5/2021

<u>Date</u>

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Acuity Sustainability Consulting Limited



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated		
PGM-2500 (QRAE III)	28 Jul 2020		

Sample location	Date of measurement		Sampling time	Monitoring wells / Surface Gas Emission					
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
W16 4	10/5/2021	1035	Fire	Q	0	0	20.9	29/1011	4-
	10/5/2021	(533	File	D	0	0	20.9	31/1008	4
LPR 7	10/5/2021	1045	Fine	Q	0	0	20.9	29/1011	2,8
	10/5/2021	154r	FINE	0	0	0	20.4	31 / 1015	4.8
Pit A	10/5/2021	1053	Fine	0	2	Û	209	29/1011	X
	0/5/1021	1888	FIRE	0	0	0	2.0.4	31/1008	- Y
P.T B	10/5/2021	1105	Fire	0	0	9	20.9	29/101	7.6
	10/5/2021	1605	FINE	0	0	0	20.9	21/1008	3.6
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L <u></u>								1 /	

d Operator:

Ting Wai Kin (Safety Officer [Reno.Pipe])

Name & Designation

Signature Date

10/7/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated		
PGM-2500 (QRAE III)	28 Jul 2020		

ENVIRONMENTAL PROTECTION DEPARTMENT

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
ATEL P	8-5-20	0 870	Fine	J	3	G	20.4	26/1012	<i>Z</i> .>	
	8-5-2021	1550	Fine	0	C	0	20.5	30/ 1002	$\chi'\chi$	
	8-3-2021	<u>وراتا</u>	Fire	C	1	3	20.9	30/ 100 2	$\chi \chi$	
Arus B	3-5-202	084r	Fire	0	2	0	20.2	26/1012	2.5	
	8-2-2021	1345	Fine	0	9	Û.	20.4	30 / 1009	2.5	
	3 - X - Zozi	1645	Fine	3	0	0	20-9	30 / 1003	2.5	
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L						<u> </u>	<u> </u>		1	

	<u>Name & Designation</u>	<u>Signature</u>	Date
Field Operator:	Ting Wal Kin (Safety Officer [RenoPi	pe]) 🕂	8-5-2021
Laboratory Staff:			
Checked by:	C.Fchan (Foreman)	Top.	8-5-2021.

ENV:RONMENTAL RESOURCES MANAGEMENT

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020
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Sample location	Date of measurement	Sampling time	Menitoring wells / Surface Gas Emission						
		ł	Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CHEC Atro	2/2/201	0175	Fine	ع	0	0	70.9	1/1012	2.5
	3/5/2021	358	Fire	0	0	0	20.9	30/1034	2.5
CH.FC 0760	8/×12021	1400	Fine	0	0	0	22.9	21/1012	2.5
	\$ / ×/2021	499	Fine	0	0	0	20.4	30/1009	2.5
P:7C	8/5/2024	0915	Fire	0	0	J	20.9	21/1012	8
	8/5/2021	1417	Fine	0	0	Q	20.9	30/ 1005	£.
197 Pit C	3/3/2021	olles	Fire	0	0	D	20.9	28 /1012	7
	8/5/2021	1949	Fine	Q	0	3	20.9	30 / 1085	7
157 817 3	8/5/204	5122	Fire	Ū	2	đ	20,9	23/1012	8.6
	8/2/2041	1455	Fine	0	0	0	20.9	30 / 1005	8.6
151 87 A	3/5/221	005	Fine	0	0	0	20.9	28/1012	8.3
	8/3/2021	505	Five	C	0	a	20.9	30/ 002	8.7
WPS !	8/5/2021	1015	Fine	0	0	0	20.9	28/1012	2.8
[1 8/ 2/2021	1713	Fine	0	0	C	20.9	30 /1003	2.3

No. 4

Ting Wai Kin (Safety Officer [RenoPipe])

Name & Designation

<u>Date</u> 8/5/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Signature

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)	
WIF 2	1 8 / 5/2021	lotr	Fine	Q	0	0	20.3	29/1011	2.8	
	3/8/2021	: 525	Fire	0	D	0	20.9	31/1008	2.8	
WR4	8/5/2041	1023	FINE	0	Ð	0	20.9	29/1011	4-	
	8/3/2021	1535	Fine	0	D	0	20.9	71/10=7	44	
WRY 3	8/5/2021	1045	Five	Q	э	0	20.9	29/10:1	2.§	
	8/ X (20C!	1345	Fine	00	g	0	20.9	30/1017	2.8	
Pir A	8/5/2024	1055	<u> </u>	9	9	0	20.9	29/1011	X	
	8/5/2021	1575	Fire	0	0	0	20.9	30/1007	5	
Pit B	\$1512021	105	Fine	0	3	0	20.9	29/1011	3.6	
	81572021	1605	Fire	<u>s</u>	0	C	20.9	30/10=1	7.6	
		1								
								<u> </u>		
		1						/		

Name & Designation

Signature Ð

Field Operator:

Ting Wai Kir (Safety Officer [Reno.⊐ipe])

Date 8/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Acuity Sustainability Consulting Limited



Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Acia A	7-5-2001	0330	Fire	0	J	9	20.4	27/1016	2.5
	5 - 2007	1350	Fire	2	¢	0	20-9	23/1017	2.2
	7-5-2001	1100	Fire	Û	0	0	2.0.4	2-8/1010	5.5
Area B	7- 5-2021	0\$47	Fire	J	ð	0	209	27/ 1016	2.5
	7-5-2021	1345	Fine	c	0	0	Zo.g	28/1013	2.5
	7-5-224	1645	Five	3	D	0	20.9	28/1010	2.5
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	1	<u> </u>						1 1	
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	Name & Designation Signature	Date	
Field Operator:	Ting Wai Kin (Safety Officer [RenoPipe])	7-5-2021	
Laboratory Staff:			
Checked by:	C.F. chan (Foreman) Fot-	7-5-2021.	
ENVIRONMENTAL RESOURCES MAN	AGEMENT	· · · · · · · · · · · · · · · · · · ·	ENVIRONMENTAL PROTECTION DEPARTMEN

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time		, , , , , , , , , , , , , , , , , , ,	Monitoring w	vells / Surface G	as Emission		,, <u></u>
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
(H.F. 445	7/2/2021	0877	Fire	Ð	0	0	20.9	21/1015	2.5
	7/5/204	(357	Fine	0	0	0	20.9	28/1017	24
CHIE OTAD	7/5/2021	0900	Fine	Q	9	0	20.6	21/1015	2.5
	7/5/2021	1400	Fire	C	0	2	20-9	28/1017	2.5
P:+ C	7/2/2021	2915	F.N.	0	0	0	20.9	27/1015	8
	7/5/2021	418	Fine	0	0	2	20.9	28/1012	2
137 Pt C	7/5/2021	2945	Fire	0	0	0	20,8	21/1015	7
	7/5/221	14495	Fire	ρ	3	Û	20.2	23/1016	7
157 PH B	7/3/2021	2477	Fine	0	Û	0	20.9	21/1015	8.6
	7/5/2021	1955	Fine	0	C	0	20.9	28/1012	S, 6
157 PH A	7/5/2021	1005	Fine	0	0	0	20.9	27/1016	\$.3
	7 / 5/2021	1505	Fine	9	0	0	20.9	28/102	3.3
WPRI	715/2021	1015	Fine	0	Û	0	20.9	27/1016	2.8
	7/5/2021	1515	Fire	ů	0	0	20.9	28/1012	2-8

Name & Designation Signature ₽

Field Operator:

Ting Wai Kin (Satety Officer [RenoPipe])

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Date

7/5/2021



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPE 2	7/3/2021	1025	Fire	O	0	0	20.9	21/1016	28
	7/×/2024	ISZY	Fine	0	0	0	20.9	28/1011	2.8
WPK 4	71512021	1035	Fine	0	0	0	20.9	2.8/1015	4
	7/3/2021	1202	Fine	0	ρ	0	20.9	28/1011	4
WIF 3	7/8/2021	1045	Fine	D	0	.0	20.9	28/1015	2.8
	718/2021	1547	Fins	0	э	C	20.9	28/1011	2.8
Rt A	7/ 3/2024	1055	Fine	,)	<i>Q</i>	0	20.9	28/1015	Z
	7/5/2021	1000	Finz	0	J	0	20.9	28/1011	X
Pit B	71 ×1204	1/05	Fine	۵	0	ð	20.3	28/1015	3.6
	71 × /2021	1602	Fire	0	0	ð	29.9	28/1011	7.6
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i	; ;					1			

Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

<u>Date</u> 7/5/2021

Field Operator: Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Signature

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Monitoring w	vells / Surface G	as Emission	, //₩A** , , /= =1	
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	6 -5 -2021	0 \$ 40	Fire	ŷ	0	ð	20.9	23/1018	7.7
	6 - 5 - 2021	12,20	Fine	0	0	c	229	27/ 2018	138
	6-5-204	1700	Fine	Ĵ	0	0	2.03	25-/ 1013	2.5
Area B	6-3-2021	0848	First	Û	θ	э	22.4	23/ 1018	2.3
	6-5-204	(345	Five	6	Û	0	22.j	27/ 1018	2.5
	6-5-2=21	1645	Fine	0	0	0	204	28/ 1013	2.5
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		<u> -</u>					 	<u> </u>	
				<u> </u>		}	i		[

	Name & Designation	<u>Signature</u>	Date	
Field Operator:	Ting Wai Kin (Safety Officer [Reno]	Pipe]) 🕂	6-5-2021	
Laboratory Staff:				
Checked by:	C.F.chan (Foleman)	toj.	6-5-2021	
ENVIRONMENTAL RESOURCES MAY	AGEMENT .	1	13	ENVIRONMENTAL PROTECTION DEPARTMENT



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Monitoring w	vells / Surface C	las Emission		
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CH.FC4150	6/2/2021_	0355	Fine	D	Q	9	20.9	23/1018	7.5
	6/5/2041	(35)	Fine	,	Û	0	2.9.9	27/ joly	2.5
CHIFC 0790	1/5/204	2400	Fire	J	0	0	20.9	23/1918	2.≰
	6/15/224	1401	Fire	o	ĺ)	G	20.9	21/1018	2.5
pi+c	6/5/2021	2918	Fire	Q	0	ð	20.3	21/1018	g
	6/5/204	1418	Fine	0	0	Q	2-2.9	26/1014	8
151 Pit C	6/5/2021	244	Fiax	ρ	0	0	25.5	24/1013	7
	1/s/2024	(49)	Fini	Q	Ø	0	20.3	21/1014	7
137 P.+ B	6/Shou	2435	Fire	0	0	Ö	20.9	24/1013	8.6
	6/shin	1453	Fire	Q	0)	22.9	26/1014	8.6
17784 A	\$ 1×12021	52%	Fire	0	0	0	20.9	24/1013	\$. ţ
	6/5/2041	1505	Fire	Û	0	0	20,9	2.6/1014	8.3
WPR 1	6 / 5 /2021	1015	おく	Q.	0	0	22.3	24/1018	2.5
	6/5/2021	1212	Fire	3	0	0	20.9	26/1014	2.8

Ting Wai Kin (Safety Officer [RenoPipe])

Name & Designation

Date

Field Operator:

Ting W

6/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Signature

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Monitoring w	vells / Surface C	as Emission		
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPE 2	6/5/2021	1025	Fire	9	0	2	20.4	24/1018	2.6
	6/5/2021	1525	Five	0	0	jo	20.9	26/1014	23
WPR 4	6/5/2021	1035	Fine	D	0	Ç	20.9	28/1018	4
	6/2/204	1533	Fire	ø	e	0	20.9	25/10/4	4
WPF 3	6/5/2021	1048	Fine	0	0	0	20.9	24/1018	2.\$
	6/5/2021	1545	Fine	J	0	0	20.9	25/1014	2.8
Pit A	6/5/2021	1055	Five	Û	Q	4	29.9	27/1018	Y
	6/×/2021	1888	Fini	0	0	0	20.9	25/1014	×
PitB	6/3/2021	1105	Fin	3	3	0	20.3	25/1018	7.6
	6/5/2021	1605	Fine	<u> </u>	0	0	20.9	25/10/4	3.6
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Name & Designation

Ting Wai Kir. (Safety Officer [Reno.Pipe])

Signature

<u>Date</u> 6 / 5 / 202 1

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

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Name of site: 13/WSD/:6 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Monitoring w	vells / Surface G	as Emission	anna i far far ge	
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Asea A	5-5-2021	0230	Fire	0	0	Ç	20.9	27/10:4	7.2
	5-5-2221	1330	Fine	0	0	0	223	30/1012	<u>x.</u> x
	5-5-2n1		Fine	0	0	5	20.4	28/[01]	7.5
Area B	ユーシーンン	0\$45	File	a	Û	0	20.2	27/1014	2.8
	5-5-2024	1345	Fine	0	C	£	20.9	30/ 1012	2.5
	3-3-2021	1645	Fina	Ś	0	0	2.6. j	28/ 10:11	2.5
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	Name & Designation	Signature	Date	
Field Operator:	Ting Wai Kin (Safety Officer [RenoPi	pe]) A	7-7-2021	
Laboratory Staff:				
Checked by:	C.F.Chan (Foreman)	bf.	J-J-2021	
ÉNVIRONMENTAL RESOURCES MANA	GEMENT			ENVIRONMENTAL PROTECTION DEPARTMENT

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020
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Sample location	Date of measurement	Sampling time			Monitoring w	vells / Surface C	as Emission		· · · · · · · · · · · · · · · · · · ·
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CHI.FC4470	5/8/04	2822	Fine	0	0	Ð	20.3	27/1013	2,5
	5/8/204	1357	Fine	0	đ	C	20.9	30/1012	2.5
C.H. PC 0+40	5/8/2021	2400	Fire	0	¢	0	20.4	27/1017	Z,×
	5/5/2021	1400	Fine	0	0	0	20.9	30/1012	2.5
Pitc	515/204	0417	Fire	0	Q	0	20.9	27/1013	8
	5/ Y/204	1415	Fire	0	ç	0	20.9	30/ 1011	2
[57 7.7 C	3/3/2021	094	Fine	0	0	0	20.9	27/1017	7
	5/ 5/2021	1445	Fire	<u>)</u>	C	0	20.9	29/10/1	7
157 Vit B	5/5/2021	0457	Five	3	จ	Û	20.9	27/1015	8.6
	5/ x/2021	1455	Fire	0	ç	0	20.9	29/1011	8.6
137 PH A	3/5/,204	1005	Fire	0	ç	0	20.9	28/1013	8.3
	5/5/2021	1505	Fire	0	0	C	20.9	29/1011	8.7
WPE I	5/3/021	1015	Fire	0	Q	0	26.9	2-8/1013	2.8
	x/ x/2021	1515	Fire	Ð	0	Ó	20.9	29/1011	Z-X

Name & Designation

nation <u>Signature</u>

Date

Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

5/5/2011

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Monitoring v	Monitoring wells / Surface Gas Emission					
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)		
WRF 2	3/3/2021	1025	Fire	0	2	0	20-9	28/1017	2,1		
	>/ >/221	1528	Fire	: 0	2	0	20.9	29/ [01]	2, 8		
WIR 4	x/x/2021	1035	Fine	0	2	0	20.9	28/1613	4-		
	x/ x/204	1535	Fire	2	0	0	20.9	27/1011	40		
WPR 3	5/5/2021	1041	Fine	0	0	0	20.9	28/1013	2.4		
	3/5/2021	(545	Fine	P	0	0	20.9	29/1011	2.3		
PH A	5/5/2021	1055	Five	э	0	0	20.3	28 / :012	X		
	<u>ا</u> یتفتر الا [لا	1222	Five	G))	0	20.9	z4/[s[i	5		
Pit B	3/5/2021	1.108	Fine	Û	Q	0	20.9	28/1012	3.6		
<u>.</u>	×/×/2021	1605	Fine	0	0	0	20.9	29/10/1	3.6		
						-		/			
						1		1			
	<u></u>					1		/	[

Name & Designation

<u>Signature</u> be]; H

Ting Wal Kin (Safety Officer [RenoPipe])

<u>Date</u> 5/5/2021

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

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Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	4-5-2021	0330	Fine	0	P	Ó	204	25/1012	7.8
	4-5-2021	\ 35 ê	Fire	0	0	0	26.9	30/1010	7.8
	4-5-2021		Fire	G	C	0	20.5	33/ 1003	Ζ.λ
Area B	4-5-2021	0345	Fine	Q	0	0	20.0	w/ ion	2.Y
	4-5-2021	1348	Fire	Ğ	0	อ	20.4	30/ 1010	2.5
-	4-5-02.	1645	Fire	è	3	0	20.9	30/ 100%	2.5
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L						J <u>_,,,,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

	Name & Designation	<u>Si</u>
Field Operator:	Ting Wai Kin (Safety Officer [Ren	oPipe])

C.F. Chan (Foreman)

Signature Date e]) A 4-5-2221

Laboratory Staff:

Checked by:

TH. 4-5-2021

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020
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Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
(H.FC 4+90	4/5/204	0322	Fine	0	0	0	20.9	26/1011	2.5
	4/5/24	13+33	Fine	0	Q	0	20.9	30/1012	2.5
CHIFC 0740	4/5/2021	34Ge	Fire	0	0	0	20.9	26/10/1	2.y
	4/5/2021	1400	Fine	0	0	0	20.9	35/1010	2.7
Pit C	4/5/204	0917	Fine	0	ð	0	20.9	26/1011	8
	4/5/2021	1415	Fine	0	0	0	20.9	30/ 1010	ç S
137 Pit C	4/5/2021	0447	Fine	0	9	2	20.9	26/1011	7
	4/3/204	1447	Fine	۵	0	0	20.9	70/1004	7
137 Pit B	4/5/2021	0439	Fire	0	0	0	20.9	21/1011	8.6
	4/5/2021	1455	Fine	0	0	2	20.9	30 / 1008	8.6
13771+ A	4/3/2021	005	Fire	9	0	0	20.q	21/10/1	8.3
	4/5/2021_	1503	Fine	0	Û	0	20.9	70/1008	8.7
WPR 1	4/5/204	1015	Fire	¢	0	0	20.3	27/1011	2.8
	4/5/221	1515	Fire	0	0	C	20.9	29/103	2.8

Name & Designation

Field Operator:

<u>Date</u>

4/5/2021

Ð Ting Wai Kin (Safety Officer [RenoPipe])

Signature

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Monitoring w	vells / Suríace C	as Emission		1/P** ==
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
W12 2	4/3/2021	1025	Fire	0	0	0	20.0	28/10/1	2.8
	4/2/2021	1525	Fire	0	0	a	1 20.4	30/1008	2.8
WPR 4	4/5/2021	1033	Fine	2	0	0	20-6	28/10/1	4
	4/5/2021	1575	Fine	o	0	0	20.2	30 / 1008	4
W74 7	4/5/2021	1044	Fire	¢	0	0	25.4	28/1511	2.8
	4/5/2+21	1545	Fine	0	0	0	22.01	30/ 1903	28
Rit A	9/3/2021	1055	T: Nº	c	0	0	22.9	28/1011	X
	4/5/2021	1555	Fine	3	0	9	20.9	30/1008	~
Pit B	4/5/2021	lor	Fine	Ç	9	0	20.9	28/10/1	26
	4/ 3/2021	1605	Fire	0	0	0	20.9	30 / 100%	7.6
		<u> </u>					L	1	
								. /	
						<u> </u>	<u> </u>	/	
l		<u> </u>		<u> </u>		<u> </u>	<u> </u>		i I

Name & Designation

.

Signature Date ₽

Field Operator:

Ting Wai Kin (Safety Officer [RenoPipe])

4/5/2021

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O Penta-Ocean - Concentric Joint Venture Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Ates A	3-5-2021	02.50	Fine	0	0	0	20.6	25/1014	2.2
	3-5-2021	1339	Fine	0	ð	j	20.9	24/1014	X.×
	3-5-221	1700	Fire	g	¢	2	2-0-3	23/10/1	2.2
Ates &	3-5-2221	0342	Fire	2	2	2	22.5	23/1014	2.3
	7 - X - 102	12445	Fire	0	0	¢	20.9	23/ 101+	2.× 2.×
	3- 3-2013	1645	Fine	<u>_</u>	J		20.9	23/1011	2.5
								/	
··· · ·				-				<u> </u>	
		1						1	
							<u> </u>	ļ. <u> </u>	
					l and a second s	1	<u> </u>	<u> </u>	

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12

	<u>Name & Designation</u>	Signature	Date	
Field Operator:	Ting Wai Kir: (Safety Officer [RenoPip) A	3-5-221	
Laboratory Staff:				
Checked by:	C.F. chan (Foreman)	₩.	3-5-2021.	
		1		
ENVIRONMENTAL RESOURCES MAN	AGEMENT .		13	ENVIRONMENTAL PROTECTION DEPARTMENT
			10	



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Name & Designation

Ting Wai Kin (Safety Officer [RenoPipe])

Sampling equipment used:	Dates calibrated
PGM-250C (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time			Monitoring w	vells / Surface C	as Emission		
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
CH.FC 9750	3/5/2021	×280	Fine	0	0	0	20.9	23/1014	2.5
	3/8/2021	355	Fine	6	0	2	20.9	24/10/2	2.5
CH.FC 0490	3/5/2021	0900	Fire	C	ð	0	20.9	23/1014	2.5
	3/3/2021	1400	Fine	0	0	0	20.4	24/ 10/2	2.5
Pitc	3/5/2021	2415	Fire	0	0	0	20.4	23/1014	8
	3/ ×/201	1415	Fine	6	ŝ	0	20.3	24/1012	k
177 87 6	3/5/214	044m	Fire	0	0	9	21.9	27/10/4	-7
	3/5/2021	<u>(447)</u>	5 m	0	G	0	20.2	24/10/1	
47 Pit B	7/5/2021	0955	Fine	0	Û	C	20.9	23/1014	8.6
	3/5/2021	1455	Fire	0	0	0	20.5	24/10/1	R. 6
147 Rit A	3/5/2021	1005	Fire	0	0	0	22.9	23/104	3.5
	3/5/2021	(505	Fine	Ø	ຄ	0	20.9	24/1011	8.7
WYR	3/5/2021	1015	Fire	0	0	0	20.	23/1214	2.2
	5/5/2021	515	Fire	Q	Û	0	20.3	24/1011	2.8

<u>Signature</u> đ

Field Operator:

3/8/2021

<u>Date</u>

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13



Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28 Jul 2020

Sample location	Date of measurement	Sampling time		ne and an and a second difference	Monitoring w	vells / Surface G	as Emission		
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPR L	3/5/204	1025	Fire	0	0	0	20.9	27/10/4	2.8
<u> </u>	7/×/2021	1525	Fin	Û	0	0	21.9	23/011	2.8
WRF 4	7/5/2021	1037	Fine	Ŷ	0	э	20.9	23/1/14	4
	3/5/2061	1533	Eine	4	0	a	20.9	23/1011	
WRL 7	3/5/2021	1045	Fine	0	Q	C C	20.9	23/1014	2.8
	715/2024	545	Fint	3	0	0	20.9	23/1011	2.8
Pit A	3/5/2041	1055	Fine	0	0	0	20.9	23/1017	×
	3/2/2021	1222	Fire	ą	0	3	20.9	23/1011	X
Pit &	3/5/2021	1 05	Fine	0	0	Û	20.9	23/1013	3.6
	3/5/2021	1605	Fiv-	G	C .	0	20.9	23/10/1	5.6
								<u> </u>	
						· · · · ·		· <u>·</u> ····	
				1	+		<u> </u>	· / · · / · · · ·	

Name & Designation

Signature Ð Ting Wai Kin (Safety Officer [RenoPipe])

Field Operator:

Laboratory Staff:

Checked by:

ENVIRONMENTAL RESOURCES MANAGEMENT

13

<u>Date</u> 3/8/2021



Appendix K

Complaint Log and Regulatory Compliance Proforma



Statistical Summary of Environmental Complaints

Reporting Period	Environmental Complaint Statistics					
	Frequency	Cumulative	Complaint Nature			
01 May 2021 - 31 May 2021	0	2	N/A			

Statistical Summary of Environmental Summons

Reporting Period	Environmental Summons Statistics				
	Frequency	Cumulative	Details		
01 May 2021 - 31 May 2021	0	0	N/A		

Statistical Summary of Environmental Prosecution

Reporting Period	Environmental Prosecution Statistics					
	Frequency	Cumulative	Details			
01 May 2021 - 31 May 2021	0	0	N/A			



Appendix L

Site Inspection Proforma



	Unit 1908, Nos. 301-	bility Consulting Limited				
		O: 2333-6823 F: 2333-1316 E: general@acuityhk.com www.acuityhk.com Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O				
	WEEKLY ENVIRONMENTAL INSPECTIO					
	on Dare: 07105/2021 Inspected by: EI. Charlene La	I WSD: C.W. UM IEC: NIA				
Inspect Weath	on Lime: CP 30 11 50					
Condi		Storm				
Tempe	rature HumidityHighModera	te Low				
Wind	Calm Light Breeze Strong					
		N/A Yes No Photo/Remai				
	General Is the current Environmental Permit displayed conspicuously at all vehicle site					
0.01	entrances/exits for public's information at any time?					
0.02	Is ET Leader's log-book kept readily available for inspections?					
1.00	Construction Dust					
1.01	Are dusty materials, such as excavated materials, building debris and construction materials, and exposed earth surface properly covered to prevent dust emission?					
1.02	Are screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty	Server Server				
	construction works for dust suppression?					
1.03	Are fumes or smoke emitting plants or construction activities shielded by a screen?	no time				
		autinty				
1.04	Are wheel-washing facilities with high-pressure water jets provided at all site exits?	V D Observes				
1.05	is wheel-washing provided to all vehicles leaving the site?					
1.06	Are road section near the site exit free from dusty material?					
1.07	Are all main haul roads inside the site paved or sprayed with water to minimize dust					
1.07	emission during vehicle movement?	L L poved				
1.08	Are water spraying provided immediately prior to any loading or transfer of dusty materials?	V V Wine come				
1.09	Are covers provided to all dump trucks carrying dusty materials when entering and leaving the site?	V . No diver				
1.10	Are the working areas for uprooting of trees, shrubs, or vegetation or the removal of	IT I I Observe				
	boulders, poles, pillars sprayed with water to maintain the entire surface wet? Is exposed earth properly treated within six months after the last construction activity on					
1 11						
1.11	sile?					

07/05

Page 1 of 6



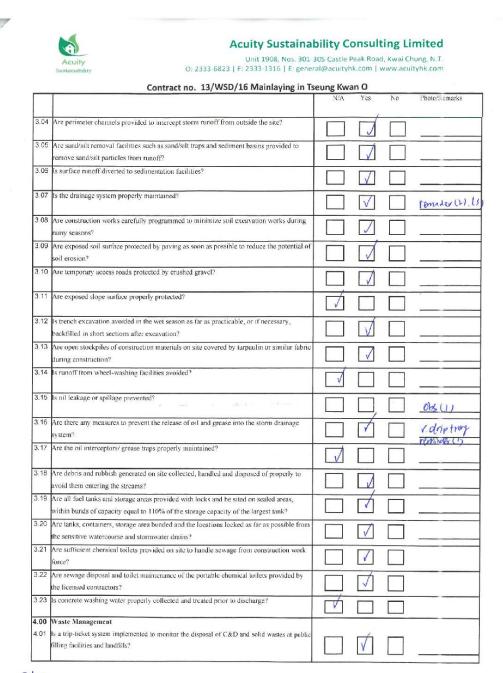
1

	Acuity Sust Acuity Unit 1908, No Sustamability 0: 2333-6823 F: 2333-1316	os. 301-305 Castle	Peak Ro	ad, Kwai C	hung, N.T.
	Contract no. 13/WSD/16 Mainlayir	g in Tseung Kv	van O		
		N/A	Yes	No	Photo/Remarks
1.13	Are vehicles travelling at speed not exceeding 15km/hr within the site?				_
	is the relation surveying at speed not exceeding 15km/m within the snee	\checkmark			
1.14	Are stock of more than 20 bags of cement or day PFA covered or sheltered on to	op and 3			
	sides?				
1.15	Are de-bagging, batching and mixing processes of bagged cement carried out in sh	eltered			
	arcas?	V			
1.16	Are hoarding of at least 2.4m high provided along the site boundary adjoining area	s 🔽			
	accessible by the public?				
1.17	Is open burning prohibited?				
2.00					, OPMEly
2.01	A e quiet plants adopted on site?		1		V noise label
2.02	Are the PMEs operating on site well-maintained to minimize the generation of exe	essive			
	niose?				1 Keenin
					monution
2.03	Are plants throttled down or turned off when not in use?				
			V		
2.04	Are the plants known to emit noise strongly in one direction oriented to face away	from). No vid to
	NSRs?				4 porton
2 05	Are moveable barriers provided to screen NSRs from plant or noisy operations?				1 on reporting
5 					def
2.06	Are silencers, mufflers and enclosures provided to plants?				
2.07	Are the hoods, cover panels and inspection hatches of PMEs closed during operation	on?			-
	, , , , , , , , , , , , , , , , , , ,		1		
2.08	Are purposely-built site hoarding construction with appropriate materials provided	along			
	the site boundary?				
2.09	Are noisy operation properly scheduled to minimize exposure and cumulative impa	icts to	T		
	nearby sensitive receivers?		V		
2.10	Are valid noise emission label(s) affixed to all hand-held breakers operating on site				
2.11	Are valid noise emission label(s) affixed to all air compressors operating on site?				
2.42			Ļ		-
2.12	Are all construction noise permit(s) applied for percussive prling work?				
2.13	Are construction noise permit(s) applied for general construction works during rest	ricted	Th		
	hours?		v		-
2.14	Are valid construction noise permit(s) displayed at all vehicular exits?		Th.		
2 0.0	Water Quality		V		
0.01	Is offluent discharge license obtained for wastewater discharge from site?		V		
3.02	Is effluent discharged according to the effluent discharge license?				1
					4 NO ellivent
3.03	Is wastewater discharge from site properly treated prior to discharge?				omerved .

07/05

Page 2 of 6





07/05

Page 3 of 6



	Acuity Sustai	01-305 Castle	Peak Roa	d, Kwai Cl	nung, N.T.
	Sustamability 0: 2333-6823 F: 2333-1316 E: g	eneral@acuity	hk.com	www.acu	ityhk.com
	Contract no. 13/WSD/16 Mainlaying i	n Tseung Kw	van O Yes		754
		N/A	Tes	No	Photo/Remarks
4.02	is a recording system implemented to record the amount of wastes generated, recycled disposed of?	and			
4.03	Is the Contractor registered us a chemical waste producer?				
4.04	Are chemical waste separated from other waste and collected by a licensed chemical v collector?	vaste			
4.05	Are trip tickets for chemical waste disposal available for inspection?				
4.06	Is chemical waste reused and recycled on site as far as practicable?				- *it
4.07	Are all containers for chemical waste properly labelled?		1		
4.08	is chemical waste storage area used solely for storage of chemical waste and properly labelly	:d?			
4.09	Are incompatible chemical wastes stored in different areas?				
4.10	Is the chemical waste storage area enclosed on at least 3 sides and adequately ventilated?		\checkmark		
4.11	is an imperineable floor and bunding, of capacity to accommodate 110% of the volume of largest container or of 20% by volume of the chemical waste stored in that area, whichever is greatest, provide?				
4 12	Are a routine cleaning and maintenance programme implemented for drainage systems, so pits, and oil interceptors?	1mb	1		
4.13	Are sufficient general refuse disposal/collection points provided on site?		V		
4.14	is general refuse disposed of property and regularly?		\checkmark		
4.15	Are appropriate measures adopted to minimize windblown litter and dust during transportatio waste?	n of	V		
	Are individual collectors for aluminum cans, plastic bottles and packaging material and of peper provided to encourage waste segregation?	Tice			
4.17	Are C&D wastes sorted on site?		V		
4.18	Are C&D waste disposed of properly?		V		
4.19	Are unused C&D materials or chemiculs recycled or reused to reduce the quantity of waste?				
4.20	Are public fill and C&D waste reuse on site as far as practicable to avoid disposal off-site?		1		
	Are the construction materials stored properly to minimize the potential for damage contamination?	or	1		
4.22	Is a dumping license obtained to deliver public fill to public filling areas?				

07/05

Page 4 of 6





Acuity Sustainability Consulting Limited

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

	Contract no. 13/WSD/16 Mainlaying in Ts	eung Kwa	an O		
		N/A	Yes	No	Photo/Remarks
5.00	Landscape and Visual				
5. 0 1	Are Is site hoarding provided?				
5.02	Are vegetation disturbance minimized or soil protected to reduce potential soil erosion?		\checkmark		
5 03	is construction light oriented away from the sensitive receivers?	\checkmark			
5.04	Is grass hydroseeding provided to slopes as soon as the completion of works?		×γ.		
5.05	Are damages to trees outside site houndary due construction works avoided?		V		
5.06	Is excavation works carried out manually instead of machinery operation within 2.5m vicinity of any proserved trees?	\checkmark			
5.07	Are the retained and transplanted tree(s) properly protected and in good conditions?		1		
5.08	Are surgery works carried out for damaged trees?	\checkmark			
6.00	Ecology				
6.01	is site runoff properly treated to prevent any silly runoff?	\checkmark			No water discharg
6.02	Are still trap installed and well-maintained?	V			
6.03	Are stockpiles properly covered to avoid generating silty runoff?				
6.04	Are construction works restricted to works area which are clearly defined?				
7.00	Overall				- Andrewski - A
7.01	Is the EM&A properly implemented in general?		1		

07105

Page 5 of 6



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	Acuity Sustainability Consulting Limited
Acuity Sustainability	Unit 1908, Nos. 301-305 Castle Peak Road, Kwai Chung, N.T. D: 2333-6823 F: 2333-1316 E: general@acuityhk.com www.acuityhk.com
(Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O
tk Remark / Follow up of Observation	n(s) and Non-compliance(s) of Last Weekly Site Inspection:
() then were were not a	levis)
(a) Trapped general na	when there found in the guing These numericals
tB cleaned regularity to	& debris o allow pethicient diverge of int Toutient Bit K
(3) kegular replayment	nis) and Non-compliance(s) of Last viewing site inspection: der(S) plaued on a drip trong Oct J. Ritk where found in the guing. These materials should be a debis to allow efficient divaluage A. at. Jacking pit K tol glo-textile should be conducted to ensure no viry allocity to the drahuge system at. J. pit K
Pite C&P inatorials flow	in directly to the total and work of a to ensure no
	o and to be adapted system at. J. pit K
I see to be see	
olser vation (s)	
(1) of lectury was	s observed at 187 Pit B.
Signatures:	
	ntractor's WSD's IEC's presentative Representative Representative
-W	the in MA
(Name: Chedens) (Nar	me: Gan NS -) (Name: C. W. UM) (Name: N/A)
(Al)	WSV (9)
07105	L
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Page 6 of 6



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inspection I inspection I Weather Condition Temperahu Wind 0.00 Gies 0.01 Fs t entition 0.02 Fs 1.00 Are nn 1.02 Are sor 1.03 Are	Contract no. 13/WSD/16 Mainlaying in T WEEKLY ENVIRONMENTAL INSPECTION Date: 14/15/2021 Inspected by: ET Contractor Solar My Time: 09/30 - 11:30 Contractor Solar My are 200 C Humidity High of Index Transitive High: Direcco Strong Transitive High: Direcco Strong transitive High: Direcco Strong Eneral the current Environmental Permit displayed conspicuously at all vehicle site trances/exits for public's information at any time? ET Leader's log-book kept readily available for inspections? ET Leader's log-book kept readily available for inspections? Entruction Dust e dusty materials, such as excavated materials, building debris and construction tarials, and exposed earth surface properly covered to prevent dust emission? e screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty nstruction works for dust suppression?	Seung Kw ON CHECH WSD IEC St ate		luazy	Photo/Remarks
Inspection 1 Weather Condition Temperature Wind 0.00 Ge 0.01 Is t cntr 0.02 Is 1 1.00 Co 1.01 Arc or 1.03 Arc 1.03 Arc	WEEKLY ENVIRONMENTAL INSPECTION Date: 1415/201 Imspected by: ET Ladd/lft/Ldd. Connector Sam Ng Imspected by: ET Ladd/lft/Ldd. Connector Sam Ng Imspected by: Dreade Prize Prize <t< th=""><th>N CHECH WSD IFC</th><th>(LIST <u>1</u>5(k/ <i>N/A</i> </th><th>Hazy</th><th>(ap matin marcal</th></t<>	N CHECH WSD IFC	(LIST <u>1</u> 5(k/ <i>N/A</i> 	Hazy	(ap matin marcal
Inspection 1 Weather Condition Temperature Wind 0.00 Ge 0.01 Is t cntr 0.02 Is 1 1.00 Co 1.01 Arc or 1.03 Arc 1.03 Arc	Date: 1415/2021 Inspected by: ET Contractor Sam Ng time 09730 - 11 - 30 Contractor Sam Ng are 20 C Hamidity High Heden are 20 C Hamidity Bitecce Strong eneral High Bitecce Strong High transcessories Bitecce Strong Strong entranscessories Intercessories Strong Strong entranscessories Intercessories Strong Strong entranscessories Intercessories Strong Strong entranscessories Intercessories Strong Strong entrans	f web IFC	TSC Ku N/A	Hazy	(ap matin marcal
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0.00 Ge	eneral the current Environmental Permit displayed conspicuously at all vehicle site trances/exits for public's information at any time? ET Leader's log-book kept readily available for inspections? ET Leader's log-book kept readily available for inspections? enstruction Dust e dusty materials, such as excavated materials, building debris and construction tetrials, and exposed earth surface properly covered to prevent dust emission? e screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty nstruction works for dust suppression?		Yes I I I I I I I I I	No	(ap matin marcal
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0.01 is t ent 0.02 is i 1.00 Co 1.01 Arc ma 1.02 Arc cor 1.03 Arc 1.04 Arc	the current Environmental Permit displayed conspicuously at all vehicle site trances/exits for public's information at any time? ET Leader's log-book kept readily available for inspections? Instruction Dust e dusty materials, such as excavated materials, building debris and construction iterials, and exposed earth surface properly covered to prevent dust emission? e screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty nstruction works for dust suppression?				(8. B. mater covered t tarpeutins
ent 0.02 is i 1.00 Co 1.01 Arc ma 1.02 Arc 1.03 Arc 1.03 Arc	trances/exits for public's information at any time? ET Leader's log-book kept readily available for inspections? instruction Dust e dusty materials, such as excavated materials, building debris and construction iterials, and exposed earth surface properly covered to prevent dust emission? e screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty nstruction works for dust suppression?				Coprised & covered & tarpusting
0.02 Is I 1.00 Co 1.01 Arc 1.02 Arc 1.03 Arc 1.04 Arc 1.05 Is v	ET Leader's log-book kept readily available for inspections? instruction Dust e dusty materials, such as excavated materials, building debris and construction iterials, and exposed earth surface properly covered to prevent dust emission? e screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty nstruction works for dust suppression?				Cap make covered & tappeutins
1.00 Co 1.01 Arc na 1.02 Arc cor 1.03 Arc 1.04 Arc	enstruction Dust e dusty materials, such as excavated materials, building debris and construction iterials, and exposed earth surface properly covered to prevent dust emission? e screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty nstruction works for dust suppression?				Co. D. mater covered & tarpeuting
1.01 Are ma 1.02 Are 1.03 Are 1.04 Are	e dusty materials, such as excavated materials, building debris and construction iterials, and exposed earth surface properly covered to prevent dust emission? e screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty nstruction works for dust suppression?				Co.p. make covered & tarpoulins
ma 1.02 Arc cor 1.03 Arc 1.04 Arc	terials, and exposed earth surface properly covered to prevent dust emission? e screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty nstruction works for dust suppression?				Cap mater covered to tarpoulins
1.02 Are con 1.03 Are 1.04 Are	e screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty nstruction works for dust suppression?		7		Cap mater covered & tarparting
con 1.03 Are 1.04 Are 1.05 Is v	nstruction works for dust suppression?				covere ul e tarpoulins
1.03 Are 1.04 Are 1.05 Is v			V		tarpeutini
1.04 Are 1.05 Is v	e fumes or smoke emitting plants or construction activities shielded by a screen?				
1.05 ls v					NO TUME!
1.05 ls v					small emit
1.05 ls v	e wheel-washing facilities with high-pressure water jets provided at all site exits?				autivities was
					-
1.06	wheel-washing provided to all vehicles leaving the site?	1		\square	
1.00 AIC	c road section near the site exit free from dusty material?				
1.07 4-	all main haul roads inside the site paved or sprayed with water to minimize dust		LY		
	ission during vehicle movement?		\checkmark		paved
1.08 Are	e water spruying provided immediately prior to any loading or transfer of dusty				de malemall
	terials?	V			Timpaun sta
	e covers provided to all dump trucks carrying dusty materials when entering and ving the site?			\Box	Datig When
	e the working areas for uprooting of trees, shrubs, or vegetation or the removal of				NEdurytin
bou	ilders, poles, pillars sprayed with water to maintain the entire surface wet?				
I.11 Is e site	exposed earth properly treated within six months after the last construction activity on				
.12 Doc			1		

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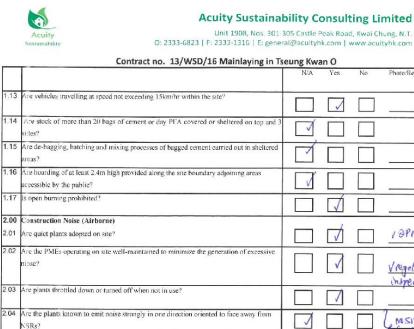
Page 1 of 6

1.16

2.04

2.05





Are moveable barriers provided to screen NSRs from plant or noisy operations?

2.06 Are silencers, mufilers and enclosures provided to plants?

V

Photo/Remarks

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beer to MP.

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Work

Vregalar inspection

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2.07 Are the hoods, cover panels and inspection hatches of PMEs closed during operation? V Are purposely-built site hoarding construction with appropriate materials provided along 2.08 1 he site boundary? 2.05 Are noisy operation properly scheduled to minimize exposure and cumulative impacts to V carby sensitive receivers? 2.10 Are valid noise emission label(s) affixed to all hand-held breakers operating on site? V Are valid noise emission label(s) affixed to all air compressors operating on site? V Are all construction noise permit(s) applied for percussive piling work? 2.12 V 2.13 Are construction noise permit(s) applied for general construction works during restricted V ours? 2.14 Are valid construction noise permit(s) displayed at all vehicular exits? 1 3.00 ater Quality 3.01 Is offluent discharge license obtained for wastewater discharge from site? V 3.02 Is effluent discharged according to the effluent discharge license? 6 no water rd. 3.03 Is wastewater discharge from site properly treated prior to discharge? V

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Page 2 of 6





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	Contract no. 13/WSD/16 Mainlaying in Ts				
		N/A	Yes	No	Photo/Remarks
3.04	Are perimeter channels provided to intercept storm runoff from outside the site?		V		
3.05	Are sand/silt removal facilities such as sand/silt traps and sediment hasins provided to remove sand/silt particles from runoff?				L'is vater
3.06	Is surface runoff diverted to sedimentation facilities?) from the site
3.07	Is the drainage system properly maintained?		\square		reminder 11
3.08	Are construction works carefully programmed to minimize soil exeavation works during			\exists	
	rainy seasons?		<u> </u>		
3.09	Are exposed soil surface protected by paving as soon as possible to reduce the potential of soil crosion?				
3.10	Are temporary access roads protected by crushed gravel?				
3.11	Are exposed slope surface properly protected?				,
		V			-
3.12	Is trench excavation avoided in the wet season as far as practicable, or if necessary, backfilled in short sections after excavation?		\checkmark		
3.13	Are open stockpiles of construction materials on site covered by tarpaulin or similar fabric during construction?		1		
3.14	Is runoff from wheel-washing facilities avoided?				
3.15	Is oil leakage or spillage prevented?				OKC 12
3.15	Are there any measures to prevent the release of oil and grease into the storm drainage system?				obsCD
3.17	Are the oil interceptors/ grease traps properly maintained?	7			
	Are debris and rubbish generated on site collected, handled and disposed of properly to avoid them entering the streams?				
3.19	Are all fuel tanks and storage areas provided with locks and he sited on sealed areas, within bunds of capacity equal to 110% of the storage capacity of the largest tank?		\checkmark		
3.20	Are tanks, containers, storage area bunded and the locations locked as far as possible from			\Box	
	the sensitive watercourse and stormwater drains? Are sufficient chemical toilets provided on site to handle sewage from construction work				
	force?		1		
	Are sewage disposal and toilet maintenance of the portable chemical toilets provided by the licensed contractors?				
3.23	Is concrete washing water properly collected and treated prior to discharge?	y			15.00
.00	Waste Management				
	is a trip-licket system implemented to monitor the disposal of C&D and solid wastes at public filling facilities and landfills?		V	\square	

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Page 3 of 6



	Acuity Unit 1908, Nos. 301- Sustainability O: 2333-6823 F: 2333-1316 E: gene	ral@acuity	Peak Road hk.com 1	d, Kwai C www.acu	ityhk.com	
	Contract no. 13/WSD/16 Mainlaying in T		an O			
		N/A	Yes	No	Photo/Remarks	7
4.02	Is a recording system implemented to record the amount of wastes generated, recycled and disposed of?					1
4.03	Is the Contractor registered as a chemical waste producer?		\checkmark			1
	Are chemical waste separated from other waste and collected by a licensed chemical waste collector?					
	Are trip tickets for chemical waste disposal available for inspection?	Ń				
	Is chemical waste reused and recycled on site as far as practicable?					1
4.07	Are all containers for chemical waste properly labelled?		\checkmark]
	Is chemical waste storage area used solely for storage of chemical waste and properly labelled?		\checkmark]
	Are incompatible chemical wastes stored in different areas?]
	Is the chemical waste storage area enclosed on at least 3 sides and adequately ventilated?					
	Is an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the suggest container or of 20% by volume of the chemical waste stored in that area, whichever is the greatest, provide?					
	Are a routine cleaning and maintenance programme implemented for drainage systems, sump pirs, and oil interceptors?				reminder (i), (2
	Are sufficient general refuse disposal/collection points provided on site?		\checkmark			
	is general refuse disposed of property and regularly?]
	Are appropriate measures adopted to minimize windblown lifter and dust during transportation of washe ⁹					
	Are individual collectors for aluminum cans, plastic bottles and packaging material and office paper provided to encourage waste segregation?					
	Are C&D wustes sorted on site?					
	Are C&D waste disposed of properly?					
	Are unused C&D materials or chemicals recycled or reused to reduce the quantity of waste?				1. 	
	Are public fill and C&D waste reuse on site as far as practicable to avoid disposal off-site?		1			
	Are the construction materials stored properly to minimize the potential for damage or contamination?				-	
	s a dumping license obtained to deliver public fill to public filling areas?		1			1

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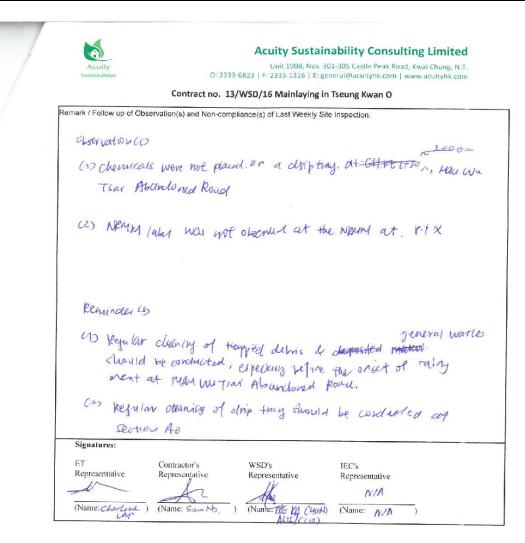
Page 4 of 6



	Unit 1908, Nos. 30 Acuity 0: 2333-6823 F: 2333-1316 E: ge	1-305 Castle		d, Kwai Cł	nung, N.T.
	Contract no. 13/WSD/16 Mainlaying in	Tseung Kw	an O		
		N/A	Yes	No	Photo/Remarks
5.00	Landscape and Visual				
5.01	Are Is site hoarding provided?				
5.02	Are vegetation disturbance minimized or soil protected to reduce potential soil erosion?		1		
5.03	Is construction light oriented away from the sensitive receivers?				
5.04	is grass hydroseeding provided to slopes as soon as the completion of works?				
5.05	Are damages to trees outside site boundary due construction works avoided?				
5.06	Is excavation works carried out manually instead of machinery operation within 2.5m vicinity my preserved trees?	of			
5.07	Are the retained and transplanted tree(s) properly protected and in good conditions?		X		
5.08	Are surgery works carried out for damaged trees?	\checkmark	AN A		
6.00	Ecology				
5.01	Is site runoff properly treated to prevent any silly runoff?				No water was discharged
6.02	Are silt trap installed and well-maintained?				
6.03	Are stockpiles properly covered to avoid generating silty runoff?				
6.04	Are construction works restricted to works area which are clearly defined?		1		

Page 5 of 6





14/5

Page 6 of 6



Acuity Unit 19	Sustainability Consulting Limited 08, Nos. 301-305 Castle Peak Road, Kwai Chung, N.T. 316 E: general@acuityhk.com www.acuityhk.com
Contract no. 13/WSD/16 Main	nlaying in Tseung Kwan O
WEEKLY ENVIRONMENTAL II	NSPECTION CHECKLIST
Inspection Date: 20/05/2424 Inspected by: ET: (Inspection Unite: 09:30-12:00 Contractor:	havlene LAT with TSt Shring Henz Sam ng IEC: N/A
Weather Condition Samay Fine Overcast Drizzle Temperature Strong C Humidity Itigh Wind Sama Jaght Hreeze Strong	Bain Storm Lizy
	N/A Yes No Photo/Remarks
	N/A Yes No Photo/Itemarks
0.00 General 0.01 Is the current Environmental Permit displayed conspicuously at all vehicle entrances/exits for public's information at any time?	site
0.02 Is ET Leader's log-book kept readily available for inspections?	
1.00 Construction Dust 1.01 Are dusty materials, such as excavated materials, building debris and const materials, and exposed earth surface properly covered to prevent dust emission	
1.02 Are screenings, enclosures, water spraying or vacuum cleaning devices pro construction works for dust suppression?	vided to dusty
1.03 Are fumes or smoke emitting plants or construction activities shielded by a	sereen? NO Parve /s Emistrat plan On Structure (
1.04 Are wheel-washing facilities with high-pressure water jets provided at all s	ite exits?
1.05 Is wheel-washing provided to all vehicles leaving the site?	
1.06 Are road section near the site exit free from dusty material?	
1.07 Are all main haul roads inside the site paved or sprayed with water to minin emission during vehicle movement?	nize dust
1.08 Are water spraying provided immediately prior to any loading or transfer o materials?	were avere
1.00 Are covers provided to all dump trucks carrying dusty materials when enter leaving the site?	ing and v bis charge in observed
1.10 Are the working areas for uprooting of trees, shrubs, or vegetation or the re boulders, poles, pillars sprayed with water to maintain the entire surface wa	moval of
 1.11 Is exposed earth properly treated within six months after the last construction 	
sile?	

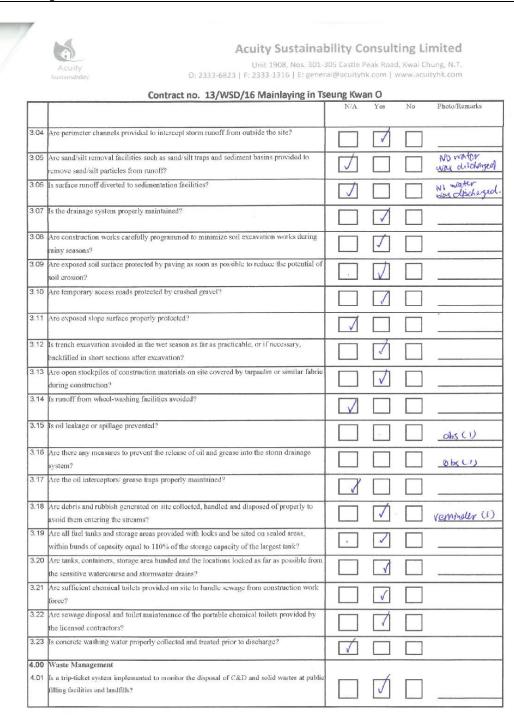
Page 1 of 6



	Acuity Sustaina Acuity Unit 1908, Nos. 301 Sustemability 0: 2333-6823 F: 2333-1316 E: gene	-305 Castle P	Peak Road	l, Kwai C	hung, N.T.
	Contract no. 13/WSD/16 Mainlaying in T	seung Kwa	and the second se		and common default says and deall common state
		N/A	Yes	No	Photo/Remarks
1.13	Are vehicles travelling at speed not exceeding 15km/hr within the site?				
1.14	Are stock of more than 20 bags of cement or day PFA covered or sheltered on top and ; sides?				
1.15	Are de-bagging, batching and mixing processes of hagged cement carried out in sheltered areas?				
1.16	Are hoarding of at least 2.4m high provided along the site boundary adjoining areas accessible by the public?				
1.17	Is open burning prohibited?		1		
2.00	Construction Noise (Airborne)				
2.01	Are quiet plants adopted on site?				Vivoise laber
2.02	Are the PMEs operating on site well-maintained to minimize the generation of excessive niose?				V Regular inspection
2.03	Are plants throttled down or turned off when not in use?				
2.04	Are the plants known to emit noise strongly in one direction oriented to face away from NSRs?				6 No inspection
2.05	Are moveable barriers provided to sereen NSRs from plant or noisy operations?				NER.
2.06	Are silencers, mufflers and enclosures provided to plants?				
2.07	Are the hoods, cover panels and inspection hatches of PMEs closed during operation?		J		
2.08	Are purposely-built site hoarding construction with appropriate materials provided along the site boundary?				
2.09	Are noisy operation properly scheduled to minimize exposure and cumulative impacts to nearby sensitive receivers?				
2.10	Are valid noise emission label(s) affixed to all hand-held breakers operating on site?				
2.11	Are valid noise emission label(s) affixed to all air compressors operating on site?				
2.12	Are all construction noise permit(s) applied for percussive piling work?		\square		
2.13	Are construction noise permit(s) applied for general construction works during restricted hours?				
2.14	Are valid construction noise permit(s) displayed at all vehicular exits?		\square		
3.00 3.01	Water Quality Is effluent discharge license obtained for wastewater discharge from site?	Jack P	7		
3.02	Is effluent discharged according to the effluent discharge license?	1			UNE water
3.03	Is wastewater discharge from site properly treated prior to discharge?				bserved.

Page 2 of 6





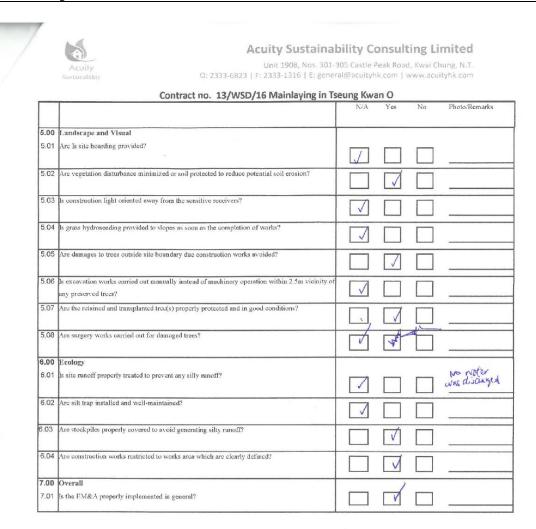
Page 3 of 6



	Acuity Sustaina Acuity Unit 1908, Nos. 301- 0: 2333-6823 F: 2333-1316 E: gene	305 Castle P	Peak Road	l, Kwai Cl	hung, N.T.
				N M W W	eyne.com
	Contract no. 13/WSD/16 Mainlaying in Te	N/A	Ycs	No	Photo/Remarks
4.02	is a recording system implemented to record the amount of wastes generated, recycled and disposed of?				
4.03	Is the Contractor registered as a chemical waste producer?				
4.04	Are chemical waste separated from other waste and collected by a licensed chemical waste collector?				
4.05	Are trip tickets for chemical waste disposal available for inspection?				
4.06	is chemical waste rensed and recycled on site as far as practicable?				
4.07	Are all containers for chemical waste properly labelled?		Ţ		
4.08	is chemical waste storage area used solely for storage of chemical waste and properly labelled?				
4.09	Are incompatible chemical wastes stored in different areas?				
4.10	is the chemical waste storage area enclosed on at least 3 sides and adequately ventilated?		1		
4.11	is an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the argest container or of 20% by volume of the chemical waste stored in that urea, whichever is the greatest, provide?				
4.12	Are a routine oleaning and maintenance programme implemented for drainage systems, sump pits, and oil interceptors?		\checkmark		Jenninder ()
4.13	Are sufficient general refuse disposal/collection points provided on site?		\checkmark		
4.14	is general refuse disposed of properly and regularly?		\checkmark		(eminder ())
4.15	Are appropriate measures adopted to minimize windblown litter and dust during transportation of waste?		\checkmark		
4.16	Are individual collectors for aluminum cans, plastic bottles and packaging material and office paper provided to encourage waste segregation?		7		
4.17	Are C&D wastes sorted on sile?				
4.18	Are C&D waste disposed of properly?		\checkmark		19
4.19	Are unused C&D materials or chemicals recycled or reased to reduce the quantity of waste?				
4.20	Are public fill and C&D waste reuse on site as far as practicable to avoid disposal off-site?		\square		
4.21	Are the construction materials stored properly to minimize the potential for damage or contamination?				
4.22	is a dumping license obtained to deliver public fill to public filling areas?				

Page 4 of 6





Page 5 of 6

Contract No. 13/WSD/16 Mainlaying in Tseung Kwan O Monthly EM&A Report No.34



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	Acuity Sustainability Consulting Limited
	Acuity Unit 1908, Nos. 301-305 Castle Peak Road, Kwai Chung, N.T. Sustainability 0: 2333-6823 F: 2333-1316 E: general@acuityhk.com www.acuityhk.com
	Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O
Rema	ark / Follow up of Observation(s) and Non-compliance(s) of Last Weekly Site Inspection:
P	Observation 16
	(1) chemicaly was not placed in a dwip tray at CHUTE 1+ 80~ 2+00.
	section AO. , fitz, Po Lan South Piaol, Abradound Road of Manour The
and	13 NRMM laber was not assemed on the NRMM at to lan south Evan
1	Pitx
	terinder(1) mass reminded at clittelities ~ 2+00. trapped
	on the Main Contractor was reminded that general wastes & depois
	in the dramage cannel should be connect office
	Alizient drawinge. at from Win That Abandoned Road.
ĺ.	
	Signatures:
	Signatures: ET Contractor's WSD's IEC's
	ET Contractor's WSD's IEC's

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Page 6 of 6

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		305 Castle Peak Road, Kwai Chung, N.T. ral@acuityhk.com www.acuityhk.com
	Contract no. 13/WSD/16 Mainlaying in Te	seung Kwan O
	WEEKLY ENVIRONMENTAL INSPECTION	
	ion Date: 26/05/2021 Inspected by: ET: Challene Co ion Time: 9/1/5 ~ 12 = 00 Contractor: Safe Ng	WSD: MEX KM WAM
Weath		
Condit Tempe	rature 3 C Ifunidity High Modest	Storm Luzy
Wind	kalm light Breeze Strong	
		N/A Yes No Photo/Romarks
0.00	General	
	Is the current Environmental Permit displayed conspicuously at all vehicle site entrances/exits for public's information at any time?	
0.02	Is ET Leader's log-book kept readily available for inspections?	
	Construction Dust	/
1.01	Are dusty materials, such as excavated materials, building debris and construction materials, and exposed earth surface properly covered to prevent dust emission?	Covered =
1.02	Are screenings, enclosures, water spraying or vacuum cleaning devices provided to dusty construction works for dust suppression?	C I Creening
1.03	Are fumes or smoke emitting plants or construction activities shielded by a screen?	No bunch smassing funtto
	Are wheel-washing facilities with high-pressure water jets provided at all site exits?	
1.05	Is wheel-washing provided to all vehicles leaving the site?	
	Are road section near the site exit free from dusty material?	
1.07	Are all main haul roads inside the site paved or sprayed with water to minimize dust emission during vehicle movement?	D V paved
1.08	Are water spraying provided immediately prior to any loading or transfer of dusty materials?	No constructioned
1.09	Are covers provided to all dump trucks carrying dusty materials when entering and leaving the site?	I naturp
1.10	Are the working areas for uprooting of trees, shrubs, or vegetation or the removal of boulders, poles, pillars sprayed with water to maintain the entire surface wet?	
1.11	is exposed earth properly treated within six months after the last construction activity on site?	

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Page 1 of 6



	Acuity Sustainal	bility Co	onsult	ting Li	mited
	Actuitys Unit 1998, Nos. 301 : Sectamatolity O: 2333-6823 F: 2333-1316 E: gener				
	Contract no. 13/WSD/16 Mainlaying in Ts	eung Kwa	in O		
		N/A	Yes	No	Photo/Remarks
1.13	Arc vehicles travelling at speed not exceeding 15km/hr within the site?	\checkmark			
1.14	Are stock of more than 20 bags of concent or <i>cay</i> PFA covered or sheltered on top and 3 sides?				
1.15	Are de-bagging, batching and mixing processes of bagged cement carried out in sheltered areas?	1			
1.16	Are hoarding of at least 2.4m high provided along the site boundary adjoining areas accessible by the public?	V			
1.17	Is open burning prohibited?				
2.00	Construction Noise (Airborne)				
	Are quiet plants adopted on site?		\checkmark		/NOISE (ab
2.02	Are the PMEs operating on site well-maintained to minimize the generation of excessive niose?		\checkmark		v zegular inspection
2.03	Are plants throttled down or turned off when not in use?		V		
2.04	Are the plants known to emit noise strongly in one direction oriented to face away from NSRs?	V			4 to morerin
2.05	Are moveable barriers provided to screen NSRs from plant or noisy operations?	1) no to to Al
2.06	Are silencers, mufflers and enclosures provided to plants?				
2.07	Are the hoods, cover panels and inspection hatches of PMEs closed during operation?		\checkmark		
2.08	Are purposely-built site hoarding construction with appropriate materials provided along the site boundary?	\checkmark			
2.09	Are noisy operation properly scheduled to minimize exposure and cumulative impacts to nearby sensitive receivers?		\checkmark		-
2.10	Are valid noise emission label(s) affixed to all hand-held breakers operating on site?				
	Are valid noise emission label(s) affixed to all air compressors operating on site?				
2.12	A:e all construction noise permit(s) applied for percussive piling work?				
2,13	Are construction noise permit(s) applied for general construction works during restricted hours?				Part of the local data
2.14	Are valid construction noise permit(s) displayed at all vehicular exits?		./		
	Water Quality Is effluent discharge license obtained for wastewater discharge from site?		\checkmark		
3.02	is affluent discharged according to the effluent discharge license?				4 No water
3.03	is wastewater discharge from site properly treated prior to discharge?	2/			Jobserver

Page 2 of 6





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Contract no. 13/WSD/16 Mainlaying in Tseung Kwan C	Contract no.	13/WSD/16	Mainlaying in	Tseung	Kwan	o
--	--------------	-----------	---------------	--------	------	---

		N/A	Yes	No	Photo/Remarks
3.04	Are perimeter channels provided to intercept storm runoff from outside the site?		1		
3.05	Are sand/silt removal facilities such as sand/silt traps and sediment basins provided to remove sand/silt particles from runoff?	V			No water
3.06	s surface runoff diverted to sedimentation facilities?	\checkmark			- disensed
3.07	Is the drainage system properly maintained?				Vrgular y
3.08	Are construction works carefully programmed to minimize soil excavation works during rainy seasons?	~	Ń		trapped delor
3.09	Are exposed soil surface protected by paving as soon as possible to reduce the potential of soil erosion?	- *	\checkmark		
3.10	Are temporary access roads protected by crushed gravel?		\checkmark		
3.11	Are exposed slope surface properly protected?	\checkmark			
3.12	Is trench excavation avoided in the wet season as far as practicable, or if necessary, backfilled in short sections after excavation?		/		
3.13	Are open stockpiles of construction materials on site covered by tarpaulin or similar fabrie during construction?		\checkmark		
3.14	Is runoII from wheel-washing facilities avoided?		10-		
3.15	ts oit leakage or spillage prevented?		1		No Cheny cels
3.16	Are there any measures to prevent the release of oil and grease into the storm drainage system?		\checkmark		remindere D
3.17	Are the oil interceptors/grease traps properly maintained?				
3.18	Are debris and rubbish generated on site collected, handled and disposed of property to avoid them entering the streams?		\checkmark		
3.19	Are all fuel tanks and storage areas provided with locks and be sited on scaled areas, within bunds of capacity equal to 110% of the storage capacity of the largest tank?		\checkmark		
3.20	Are tanks, containers, storage area bunded and the locations locked as far as possible from the sensitive watercourse and stormwater drains?		\checkmark		
3.21	Are sufficient chemical toilets provided on site to handle sewage from construction work force?		\checkmark		
3.22	Are sewage disposal and toilet maintenance of the portable chemical toilets provided by the licensed contractors?		V		
	is concrete washing water properly collected and treated prior to discharge?				
	Waste Management Is a trip-ticket system implemented to monitor the disposal of C&D and solid wastes at public filling facilities and landfills?		N		
		I			

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Page 3 of 6



	6				/ Sustaii		-				
	Actifiky Sastandahy	i	0: 2333-6823		1908, Nos. 3 1-1316 E: gi						
a.		Contract r	no. 13/WS	D/16 Ma	ainlaying ii	n Tseun	g Kwa	an O			
							N/A	Yes	No	Photo/	Remarks
4.02	Is a recording system impleme disposed of?	ented to record th	ne amount of v	wastes gener	rated, recycled	and		V		_	
4.03	Is the Contractor registered as a	chemical waste p	roducer?			[
4.04	Are chemical waste separated collector?	from other waste	and collected	by a licens	ed chemical w	/aste	V				
4.05	Are trip tickets for chemical wa	ste disposal availa	able for inspection	on?		[V				
4.06	Is chemical waste reused and re-	cycled on site as f	ar as practicable	e?		Ī	1				
4.07	Are all containers for chemical	waste properly lab	ælled?					V			
4.08	ls chemical waste storage area u	sed solely for stor	rage of chemica	l waste and p	properly labelle	ed?		V		· .	
4.09	Are incompatible chemical wast	es stored in differ	rent arcas?				1				
4.10	Is the chemical waste storage are	ea enclosed on at l	least 3 sides and	d adequately	ventilated?			V			
	ts an impermeable floor and bu largest container or of 20% by v greatest, provide?							V		<u></u>	
4.12	Are a routine cleaning and mai pits, and oil interceptors?	ntenance program	ime implemente	ed for drain	age systems, si	^{1111p}		V			
4.13	Are sufficient general refuse dis	posal/collection p	oints provided o	on site?				/			
4.14	Is general refuse disposed of pro	perly and regularl	ly?					V		Ven	vinderl
	Are appropriate measures adopte weste?	d to minimize wir	adblown litter au	nd dust durir	ng transportatio	^{n of}					
	Are individual collectors for all paper provided to encourage was		stic bottles and	packaging 1	material and of	fice	ć	\checkmark			
4.17	Are C&D wastes sorted on site?				p.	Ι		\checkmark			
4.18	Are C&D waste disposed of pro	perly?				Ε		\checkmark			
4.19	Are unused C&D materials or ch	emicals recycled	or reused to red	luce the qua	ntity of waste?	Γ	i/				
	Are public fill and C&D waste n					Γ		\checkmark			
	Are the construction materials contamination?				al for damage	or					
4.22	Is a dumping license obtained to	deliver public fill	to public filling	g areas?				/			

Page 4 of 6

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Acuity Sustainability Consulting Limited

Unit 1908, Nos. 301-305 Castle Peak Road, Kwai Chung, N.T. 0: 2333-6823 | F: 2333-1316 | F: general@acuitynk.com | www.acuityhk.com

		N/A	Yes	No	Photo/Remarks
5.00	Landscape and Visual				
5.01	Are Is site hoarding provided?				
5.02	Are vegetation disturbance minimized or soil protected to reduce potential soil erosion?		\checkmark		•
5.03	Is construction light oriented away from the sensitive receivers?				
5.04	Is grass hydroseeding provided to slopes as soon as the completion of works?	\checkmark			
5.05	Are damages to trees outside site boundary due construction works avoided?		1		
	Is excavation works catried out manually instead of machinery operation within 2.5m vicinity of any preserved trees?	\checkmark			
5.07	Are the retained and transplanted tree(s) properly protected and in good conditions?	×	1		
5.08	Are surgery works carried out for damaged trees?	1			
6.00	Ecology				
6.01	is site runoff properly treated to prevent any silly runoff?	\checkmark			rio viator disanarge
6.02	Are siit trap installed and well-maintained?	\checkmark			
6.03	Are stockpiles properly covered to avoid generating silty runoff?				
6.04	Are construction works restricted to works area which are clearly defined?		V		
7.00	Overall		1		
7.01	is the EM&A properly implemented in general?		1		

2615

Page 5 of 6



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Acoity	Unit 1908, Nos. 301-305 Castle Peak Road, Kwai Chung, N.T. C: 2333-6823 F: 2333-1316 E: general@acuityhk.com www.acuityhk.com	
	Contract no. 13/WSD/16 Mainlaying in Tseung Kwan O	
ark / Follow up of Obse	ervation(s) and Non-compliance(s) of Last Weekly Site Inspection:	
observation cs.	5e -	
Mi major ob	serventions were recorded on respective day	
OD NRMM	n Contractor Was remainded to $\frac{1}{1000}$ consider incretaining oct section AO, Pit X. to provent accidential chemical leaked I laber was not observed at the NRMM act Pit X have may remainded at Pit X.	₽€.
Signatures:		
Signatures: ET Representative	Contractor's WSD's IEC's Representative Representative Q	à
ET	100	~

2615

Page 6 of 6



Appendix M

Proactive Environmental Protection Proforma



Proactive Environmental Protection for the Next Reporting Month

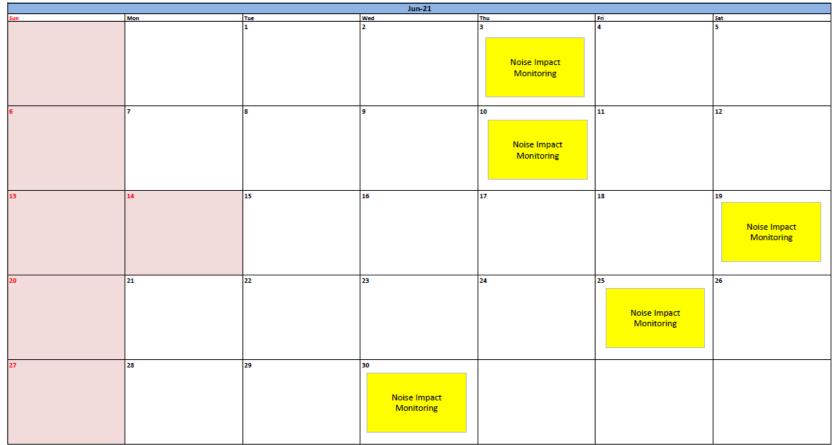
Reporting Period	Activity	Major Environmental Impact	Environmental Mitigation Measure		
1 June 2021 - 30 June 2021	 Excavation of trench Mainlaying of pipe Backfilling of the trench Work fronts for open trench Work fronts for pipe jacking 	Construction dust and noise generation; construction wastes; impact of water quality	 Dust suppression by regular wetting and water spraying Reduction of noise from equipment and machinery on- site Sorting and storage of general refuse and construction waste Treatment of water with water treatment facilities before discharge 		



Appendix N

Impact Monitoring Schedule of Next Reporting Month (Tentative)





The schedule may be changed due to unforeseen circumstances (adverse weather, etc)



Appendix O

Academic Calendar(s)



				CF	REA	ΓΙνε	SE	CON	IDARY SCHOOL CALENDAR 2020-2021
August	2	Su	Мо	Tu	We	Th	Fr	Sa	
	-	9	10	11	12	13	14	15	
		16	17	18	19	20	21	22	19/8 First School day
		23	24A	25B	26C	27D	28E	29	Toro First School day
		30	31F	250	200	210	ZUL	23	
		30	SIF	44	2B	3C	4D		
September	2		-	1A				5	
	3	6	7E	8F	9A	10B	11C		
		13	14D	15E	16F	17A	18B	19	18/09 Swimming gala
	4	20	21C	22D	23E	24F	25A	26	
	5	27	28B	29C	30				28/9 F1/MY1 3-Way Conference, 30/9 Staff Development Day 1
October								3	1/10 National Day. 2/10 The Day following Mid-Autumn Festival
		4	5D	6E	7F	8A	9B	10	, , ,
	6	11	12C	13D	14E	15F	16A	17	13/10 F6 3-Way Conference
	-	18	19	20	21	22	23	24	19-24 Term Break
	7	25	26	27B		29D	30E	31	26/10 Chung Yeung Festival Holiday.
November	8	25	26 2F	3A	4B	29D	6D	31	20/10 Chung reung resuval holiday.
vovember	8	1						(
		8	9	10E	11F	12A	13B	-14	9/11/2020 Staff Development Day 2, 10/11 F5 3-Way Conference
	9	15	16C	17D	18E	19F	20A	21	
	10	22	23B	24C	25D	26E	27F	28	
	11	29	30A						
December				1B	2C	3D	4D	5	
	12	6	7E	8F	9A	10B	11C	12	
	12	13	14D	15E	16F	17A	18B	12	15/12 F4 3-Way Conference
	+								
	+	20	21	22	23	24	25	26	25/12 Christmas Day 16/12 The First Weekday after Chrismas Day
		27	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>			21/12-2/1 Christimas & New Year Holiday
January								2	1/1 New Year's Day
	13	3	4C	5D	6E	7F	8A	9	7/1 F3 3-Way Conference, 6-19/1 F6 HKDSE & IBDP Mock Exams
	14	10	11B	12C	13D	14E	15F	16	
	15	17	18A	19B	20C	21D	22E	23	
	16	24	25F	26A	27B	28C	29D	30	
	1.0		201	LUA	210	200	200	50	
Coher .	17	31	45	2F	24	40	FC	0	
February	17		1E		3A	4B	5C	6	
		7	8D	9E	<u>10</u>	<u>11</u>	12	13	12-15 New year Holiday. 10-20/2 Chinese New Year Holiday
		<u>14</u>	15	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	
	18	21	22F	23A	24B	25C	26D	27	
		28							
March	19		1E	2F	3A	4B	5C	6	4/3 F2 3-Way Conference, 5/3 Last school day for F6 HKDSE students
		7	8D	9E	10F	11A	12B	13	
	20	14	15C	16D	17E	18F	19A	20	
	20	21	22	23	24	25	26	27	22 26/2 Creative Week
	01					29	20	21	22-26/3 Creative Week
	21	28	29B	30C	31D				
April						1	2	3	01/04-10/04 Easter Holiday. 02/04 Good Friday, 03/04 The Day following Good Friday
		4	- 5	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	04/04 Ching Ming Festival. 05/04 Easter Monday, 9-19/4 F6 HKDSE Exams-CSS Hall
	22	11	12E	13F	14A	15B	16C	17	16/4 Last school day for F6 IBDP students
		18	19D	20E	21F	22A	23B	24	
	23	25	26C	27D	28E	29F	30A		27/4 F1/MY1 3-Way Conference 30/4-19/5 F6 IBDP May Exams
May		20				- 21		1	1/5 Labour Day
	24	2	3B	4C	5D	6E	7F	8	4-17/5 F5 HKDSE Final Exams
	25	9	10A	11B	12C	13D	14E	15	
	26	16	17F	18A	19	20B	21C	22	19/5 Birthday of Buddha 21-27/5 F4 HKDSE Exams & F5 IBDP Final Exams
		23	24D	25E	26F	27A	28B	29	
	27	30	31C						
June				1D	2E	3F	4A	5	
	28	6	7B	8C	9D	10E	11F	12	
	29	13	14	15A	16B	17C	18D	19	14/06 Tuen Ng Festival
	30	20	21E	22F	23A	24B	25C	26	in the rearranger counter
	30					240	230	20	
	+	27	28D	29E	30F			_	
July							2	3	01/07 HKSAR Establishment Day, 2/7-14/8 Summer Holiday
		4	<u>5</u>	6	7	8	9	<u>10</u>	
		11	12	13	14	15	16	17	
		18	19	20	21	22	23	24	
		25	26	27	28	29	30	31	
August									
August		1	2	3	4	5	6	7	
August		8	9	10	11	12	13	14	
August		8 15	<u>9</u> 16	<u>10</u> 17	<u>11</u> 18	<u>12</u> 19	<u>13</u> 20	<u>14</u> 21	
August		8	9	10	11	12	13	14	

Sourced from: <u>https://1e833fb1-5af5-4de8-901f-</u> <u>f9aeda4354b2.filesusr.com/ugd/611a22_ea5d81f9881541de9c3c7049ba46860d.pdf</u>



AREAC	CODIDSE SCH	COD SCH_NAME	SCH_ADDRESS PWD_AREA	MON	TH DAT	TE SESS	ION TIME PERIO	EXAN	MR
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	23	A	08:30 - 13:56	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	24	A	08:30 - 12:45	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	24	A	08:30 - 14:00	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	26	A	08:30 - 13:44	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	26	A	08:30 - 12:30	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	27	A	08:30 - 13:00	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	27	A	08:30 - 14:30	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	28	A	09:15 - 13:03	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	28	A	09:15 - 12:10	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	29	A	08:30 - 13:33	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	29	A	08:30 - 12:15	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	30	A	09:15 - 11:40	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	4	30	A	09:15 - 12:25	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	5	3	A	08:30 - 12:45	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	5	3	A	08:30 - 14:14	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	5	4	A	08:30 - 12:30	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	5	5	А	08:30 - 14:00	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	5	7	А	08:30 - 14:03	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	5	10	А	08:30 - 14:00	DSE	-
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	5	11	A	08:30 - 14:15	DSE	
K	20234	Creative Secondary School	3 Pung Loi Road, Tsueng Kwan O, Sai K Tseung Kwan O District	5	15	A	08:30 - 13:58	DSE	

Sourced from Creative Secondary School