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Our Ref. : TEEM/334/18/L/047

Date : 11 May 2018

By Hand

Environmental Protection Department

Environmental Assessment Division Metro Assessment Group, Kowloon Section (2) 27/F Southorn Centre, 130 Hennessy Road Wan Chai, Hong Kong

Attn: Ms. Kwok Wing Chi, Winnie

Dear Madam.

Contract No. SS D505
Environmental Permit No. EP-454/2013
Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area
Submission of Environmental Impact Monitoring Report April 2018

We are writing, on behalf of Environmental Permit Holder, Food and Environmental Hygiene Department, to provide four hard copies and one electronic copy of Environmental Impact Monitoring Report April 2018 for your record in accordance with Condition 3.4 of EP-454/2013.

Should you have any questions, please do not hesitate to contact the undersigned at (852) 3610 8777 or our Ir. Nelson Tam at (852) 3610 8701. Thank you.

Yours faithfully,

For and on behalf of

Telemax Environmental and Energy Management Limited

Ir Eagle MO

Managing Director

EM / 1907/ \$6/18/M / WIN

Encl.

c.c. ArchSD - Mr. Sing-hin SAT, Saadullah / Mr. WAN Koon Piu, Dick (by hand)

FEHD – Ms. May NG (by hand)

PTA – Ms. Clara PANG / Mr. Jess YEUNG (by email)

AEC - Ms. Grace KWOK / Mr. HO Tin Kit (by email)

CRBC - Mr. Vincent CHUNG / Mr. FU Kwok Kwan (by email)

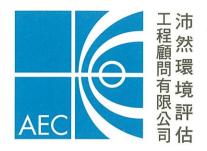




Allied Environmental Consultants Limited

Acousticians & Environmental Engineers

19/F., Kwan Chart Tower, 6 Tonnochy Road, Wan Chai, Hong Kong Tel.: (852) 2815 7028 Fax: (852) 2815 5399 Email: info@aechk.com



By Email

Our Ref: 1330/18-0011

11 May 2018

Food and Environmental Hygiene Department Planning & Development Section

Room 101, 1/F, New Wan Chai Market 258 Queen's Road East, Wan Chai, Hong Kong

Attn: Ms. Lorraine Lo

Dear Madam,

Contract No. SS D505 Environmental Permit No. EP-454/2013 Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area **Independent Environmental Checker for Construction Phase** Condition 3.4 – Submission of Monthly EM&A Report for April 2018 (Issue 1)

Further to the receipt from Environmental Team (ET) of the captioned Monthly EM&A Report on 9th May 2018 via email, pursuant to Condition 3.4 of Environmental Permit, I hereby verify the captioned report (Issue 1).

Yours faithfully, For ALLIED ENVIRONMENTAL CONSULTANTS LIMITED



Grace Kwok Independent Environmental Checker GK/cwh

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Ms. May NG, ASO(P)4/ Mr. Vincent TAM, CTSO(Ops)2 **FEHD** ArchSD

Mr. Shing-hin SAT, Saadullah, SPM335 / Mr. WAN Koon Piu,

Dick, PM342

PTA Ms. Clara PANG / Mr. Jess YEUNG

TEEM (ET Leader) Mr. Jason LAU

CRBC (Main Contractor) Mr. Vincent CHEUNG, Project Manager / Mr. KK FU, Site Agent

Email

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FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot, Yen Ming Road, West Kowloon Reclamation Area

Environmental Monitoring and Audit Report

Prepared by: Telemax Environmental and Energy Management Limited

Prepared by:

TELEMAX

Date

11 May 2018

Date

Certified by:

ENVIRONMENTAL TEAM LEADER

Date

Verified by:

Grace Kwok

INDEPENDENT ENVIRONMENTAL CHECKER

Date

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Issue	Date	Prepared by	Checked by	Approved by	Remark
1	7 th May 2018	Kiwi Man (Assistant Consultant)	Nelson/Tam (Associate) / Susan Chen (Senior Consultant)	Eagle Mo (Managing Director)	

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1.0 Executive Summary

1.1 In December 2015, Telemax Environmental and Energy Management Limited (TEEM) was appointed to conduct an Environmental Monitoring and Audit (EM&A) program for the proposed reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot, Yen Ming Road, West Kowloon Reclamation Area (FEHD). The site clearance and tree felling works were undertaken during the period from 10th December 2015 to 7th February 2016. The construction works were commenced on 29th February 2016 and all EM&A works were undertaken in accordance with the EM&A Manual and the requirements under the Environmental Permit EP-454/2013. This report is the twenty-sixth monthly EM&A report, which detailed the environmental monitoring and audit results recorded during the period from 1st April 2018 to 30th April 2018.

Reporting Change

1.2 There was no reporting change required in the reporting month.

Record of Complaints

1.3 No environmental complaint was recorded in the reporting month.

Record of Notification of Summons and Successful Prosecution

1.4 No notification of summons and successful prosecution was received in the reporting month.

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Future Key Issues

- 1.5 Key issues to be considered in the coming three months included:
 - Properly store and label oils and chemicals on site;
 - Chemical, chemical waste and waste management;
 - Sorting, recycling, storage and disposal of general refuse and construction waste;
 - Properly maintain all drainage facilities and wheel washing facilities on site;
 - Generation of dust from construction works;
 - Noise impact from operation equipment and machinery on site;
 - Generation of site surface runoffs and wastewater from activities on site; and
 - Tree protective measures for all retained trees should be well maintained.

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2.0 Project Information

Background

- 2.1 The project proponent is the reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot, Yen Ming Road, West Kowloon Reclamation Area (FEHD) and the Works Agent is the Architectural Services Department (ArchSD).
- 2.2 The proposed office-cum-vehicle depot building will be a five-story building comprising various facilities for vehicle washing and repair operation, parking of vehicles as well as offices. It will occupy a site area of about 8,278 m².
- 2.3 The FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot is categorized as a designated project under the Environmental Impact Assessment Ordinance (EIAO) and therefore a detailed Environmental Impact Assessment (EIA-216/2013) has been conducted in year 2013 and an Environmental Permit number EP-454/2013 was issued by Environmental Protection Department in November 2013.
- 2.4 The subject site is located at Yen Ming Road, West Kowloon Reclamation Area given in *Appendix H*. The subject site is bounded to the north by Nam Cheong Station, to the east by CLP Tak Kok Tsui Substation, to the south by Yuen Fat Building, and to the west by Cheung Sha Wan Wholesales Fish and Food Markets. Sir Ellis Kadoorie Secondary School (West Kowloon) and Fu Cheong Estate Fu Yun House, being the nearest educational and residential establishment, are located at around 100m and 270m from the site boundary respectively.
- 2.5 Key personnel and contact particulars are summarized in *Table 1*.

Table 1 Contact Details of Key Personnel

Role	Department / Company	Names	Contact Number
Project Proponent	Food and Environmental Hygiene Department	Ms. Lorraine Lo	3141 1227
Works Agent	Architectural Services Department	Mr. Sing-hin Sat	2867 3843
Architect's representative	P&T Architects and Engineers (Architectural)	Mr. Jess Yeung	2832 7410
Main Contractor	China Road and Bridge Corporation	Mr. Vincent Chung	2283 1688
Environmental Team Leader	Telemax Environmental and Energy Management Ltd.	Ir. Nelson Tam	3610 8701
Independent Environmental Checker	Allied Environmental Consultants Ltd.	Ms. Grace Kwok	2815 7028



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- The construction programme is referred to Appendix A and the management structure 2.6 is given in **Appendix B**.
- 2.7 The major works undertaken and/or completed during the reporting month are listed as
 - Installation of block wall;
 - Formwork erecting for beam, wall, slab and column;
 - Erection of bamboo scaffold, block wall and block wall metal frame;
 - Backfilling works;
 - Steel fixing;
 - Concreting works;
 - Plastering works;
 - Spatterdash works;
 - Planting works;
 - Mocking up for wall, floor tiles and curtain wall; and
 - General house keeping

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3.0 **Environmental Status**

Status of the Statutory Environmental Compliance

3.1 The EM&A Works follow the EP conditions under the Environmental Impact Assessment Ordinance (EIAO) and a summary of the submission under the EP for this project up to the reporting month is presented in *Table 2 & Table 3* below:

Table 2 Status of Licenses and Permits

			Valid Period		License/	
Statutory	License/	License or			Permit	Remarks
Reference	Permit	Permit No.	From	То	Holder	
EIAO	Environmental Permit	EP-454/2013	12-Nov-13	N/A	FEHD	-
WPCO	Discharge License (Site)	WT00023331-2015	22-Jan-16	31-Jan-21	CRBC	Discharge of Industrial Trade Effluent in Contract No. SS D505 was approved on 22 Jan 2016.
WDO	Chemical Waste Producer Registration	5213-269-C1232-18	15-Jan-16	N/A	CRBC	Chemical waste produced in Contract No. SS D505. The application was approved on 15 Jan 2016.
WDO	Billing Account for Disposal of Construction Waste	7024032	21-Dec-15	N/A	CRBC	Waste disposal in Contract No. SS D505. The application was approved on 21 Dec 2015.
NCO	Construction Noise Permit	GW-RE0978-17	3-Jan-18	30-Jun-18	CRBC	Use of prescribed powered mechanical equipment during nighttime. (0000 to 2400 hours on general holidays, including Sundays, 0000 to 0700 hours and 1900-2400 hours on any day not being a general holiday.). The permit was approved on 18 December 2017.

The copies of environmental licenses or permits are enclosed in **Appendix M**.

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Table 3 Summary of the Submission under the EP

EP-454/2013 Clause No.	Submission Status
1.12	Notification of commencement date of construction on 15th January 2016
2.4	Landscape and Visual Mitigation Plan submitted on 27th January 2016
3.3	Baseline monitoring report submitted on 15 th February 2016
3.4	Environmental Monitoring Report of March 2018 submitted on 17th April 2018
4.2 & 4.3	Dedicated web site set up on 11th April 2016

Mitigation Measures for Construction Works

3.2 According to the basic project information, the major construction works undertaken during the reporting month are listed in *Table 4*, showing the interrelationship between construction activities and environmental mitigation measures for the reporting month. In order to indicate the project site, an illustrative drawing is provided in *Appendix I* to demonstrate the location of works, the project area, environmental sensitive receivers and locations of the monitoring and control stations.

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Table 4 Interrelationship between Construction Activities and Mitigation Measures

Cor	struction Works	Major Environmental Impact	Mitig	gation Measures
1.	Installation of block wall			Tarpaulin cover was provided to minimize potential for damage or contamination of
2.	Formwork erecting for		C	construction materials;
	beam, wall, slab and		2. V	Watering and impervious sheeting was
	column			provided to dusty materials;
3.	Erection of bamboo scaffold, block wall			Water spraying should be provide to haul road and excavation works;
	and block wall metal		4. V	Well-maintained and quiet plants were
	frame		υ	used;
4.	Backfilling works	Construction dust, construction		Proper waste storage and sorting was
5.	Steel fixing	noise and waste management		applied;
6.	Concreting works			Trip record was maintained properly; and
7. 8.	Plastering works Spatterdash works			Noise barrier was implemented during construction activities;
9.	Planting works			Cement sealing, cover walkway pavement
10.	0			and pump addition were implemented.
10.	floor tiles and curtain		a	and pump addition were implemented.
	wall			
11.				

4.0 Summary of EM&A Requirement

4.1 According to the environmental findings detailed in the Environmental Impact Assessment (EIA) report and the EM&A Manual of the Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area Project ("the Project"), the EM&A requirements of the noise, air quality, water quality, waste management, landscape and visual and environmental audit are summarized as follows:

Noise

4.2 The construction noise level should be measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). The L_{eq(30min)} should be used as the monitoring parameter for the time period from 0700 to 1900 hours on normal weekdays. The supplementary information for data auditing and statistical results, such as L₁₀ and L₉₀, should be should be obtained and recorded for reference.

Environmental Audit

4.3 Site inspections should be conducted regularly to ensure that appropriate environmental protection and pollution control mitigation measures for noise, air quality, water quality, waste management and landscape and visual aspects are properly implemented for the



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construction works activities associated with the Project, as they are one of the most effective tools to enforce the environmental protection requirements at the works sites and works areas.

- 4.4 Regular site inspections should be carried out and led by the Architect's Representative and attended by the Contractor and ET at least once every week. The areas of inspection should not be limited to the environmental conditions, pollution control and mitigation measures within the works sites and works areas. It should also review the environmental conditions of that location that are beyond the boundary of the works sites and works areas likely to be affected directly or indirectly by the construction site activities. The ET Leader should make reference to the following information when conducting site inspection:
 - The EIA and EM&A recommendations on the environmental protection and pollution control mitigation measures;
 - On-going results of the EM&A programme;
 - The works progress and programme;
 - Proposals of individual works methodologies (which should include the proposal of the associated pollution control measures);
 - Contract specifications on environmental protection and pollution prevention control;
 - The relevant environmental protection and pollution control legislation; and
 - Previous site inspection findings that were undertaken by the ET and/or others.
- 4.5 The Contractor should keep the Architect's Representative and ET updated with all the relevant environmental related information on the construction contract to carry out the site inspections. The inspection findings and associated recommendations for improvements to the environmental protection and pollution control and outcome of the improvement should be recorded and followed up by the Contractor in an agreed timeframe.
- 4.6 The Architect's Representative, ET and Contractor should also carry out ad hoc site inspections if significant environmental problems are identified. Inspections may also be required subsequent to the receipt of environmental complaints, or as part of the investigation work, as specified in the Event and Action Plans for the EM&A

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programme.



Action and Limit Level

4.7 Accordingly to the EM&A requirement only noise impact of the construction stage requires impact monitoring. Corresponding action and limit level is set up to provide an appropriate framework for the interpretation of monitoring results. The noise impact monitoring data shall be checked against the Action and Limit Levels as listed in Table **5**.

Table 5 Action and Limit Levels for Construction Noise Monitoring

Time Period	Action Level	Limit Level, L _{eq 30mins} , dB(A)
0700-1900 hours on	When one documented complaint is	70 dB(A) for school
normal weekdays	received	65 dB(A) during examination period.
		75 dB(A) for residential premises

Event and Action Plans

4.8 In case of non-compliance with the construction noise criteria, the contractor shall undertake corresponding actions in accordance with the Event and Action Plan given in EM&A Manual and shown in *Table 6*.

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Table 6 Event and Action Plan for Construction Noise Monitoring

Event	Action				
	ET	IEC	Architect's Representative	Contractor	
Action	1. Notify the IEC and Contractor.	1. Review the analysed results	1. Confirm receipt of notification of failure	1. Submit noise mitigation proposals	
Level	2. Carry out investigation.	submitted by the ET.	in writing.	to the IEC.	
	3. Report the results of investigation to the IEC and	2. Review the proposed remedial	2. Notify the Contractor.	2. Implement noise mitigation	
	Contractor.	measures by the Contractor and	3. Require the Contractor to propose	proposals.	
	4. Discuss with the Contractor and formulate remedial	advise the Architect's	remedial measures for the analysed noise		
	measures.	Representative accordingly.	problem.		
	5. Increase monitoring frequency to check mitigation	3. Supervise the implementation of	4. Ensure remedial measures are properly		
	effectiveness.	remedial measures.	implemented.		
Limit	1. Notify the IEC, Architect's	1. Discuss amongst the Architect's	1. Confirm receipt of notification of failure	1. Take immediate action to avoid	
Level	Representative, EPD and Contractor.	Representative, ET and	in writing.	further exceedance.	
	2. Identify sources.	Contractor on the potential remedial	2. Notify the Contractor.	2. Submit proposals for remedial	
	3. Repeat measurements to confirm findings.	action.	3. Require the Contractor to propose	action to the IEC within 3 working	
	4. Increase monitoring frequency.	2. Review the Contractor's	remedial measures for the analysed noise	days of notification.	
	5. Carry out analysis of the Contractor's working	remedial action whenever necessary	problem.	3. Implement the agreed proposals.	
	procedures to determine possible mitigation to be	to assure their effectiveness and	4. Ensure remedial measures are properly	4. Resubmit proposals if problems	
	implemented.	advise the Architect's	implemented.	still not under control.	
	6. Inform the IEC, Architect's Representative and EPD the	Representative accordingly.	5. If exceedance continues, consider what	5. Stop the relevant portion of works	
	causes and action taken for the exceedances.	3. Supervise the implementation of	portion of work is responsible and instruct	as determined by the Architect's	
	7. Assess the effectiveness of the Contractor's remedial	remedial measures.	the Contractor to stop that portion of works	Representative until the exceedance	
	action and keep the IEC, EPD and Architect's		until the exceedance is abated.	is abated.	
	Representative informed of the results.				
	8. If exceedance stops, crease additional monitoring				

Note (1): ET – Environmental Team, IEC – Independent Environmental Checker; (2) Each step of action should be undertaken within 1 working day unless otherwise specified.



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5.0 Implementation Status of Environmental Mitigation

Measures

- 5.1 During reporting month, major works undertaken and/or completed during the reporting month are listed as below:
 - Installation of block wall;
 - Formwork erecting for beam, wall, slab and column;
 - Erection of bamboo scaffold, block wall and block wall metal frame;
 - Backfilling works;
 - Steel fixing;
 - Concreting works;
 - Plastering works;
 - Spatterdash works;
 - Planting works;
 - Mocking up for wall, floor tiles and curtain wall; and
 - General house keeping
- 5.2 The relevant parties have implemented mitigation measures which include, but not limited to the following:
 - Tarpaulin cover was provided to minimize potential for damage or contamination of construction materials;
 - Watering and impervious sheeting was provided to dusty materials;
 - Water spraying was provided to haul road and excavation works;
 - Well-maintained and quiet plants were used;
 - Proper waste storage and sorting was applied;
 - Trip record was maintained properly;





- Noise barrier was implemented during construction activities; and
- Cement sealing, cover walkway pavement and pump addition were implemented.
- 5.3 A total of 4 site inspections were conducted by the Environmental Team (ET) in this reporting period. Major observation by the ET, actions by the Contractor and outcome are summarized in Table 7.

<u>Table 7 Summary of Site Inspections</u>

Date	Non-compliances /	Action taken by	Outcome
	Observations / Reminders	Contractor	
4 th April 2018	Nil.	Nil.	Nil.
12 th April 2018	Nil.	Nil.	Nil.
18 th April 2018	Nil.	Nil.	Nil.
24 th April 2018	Reminder 1: Treatment to wastewater generated from wheel washing facility shall be ensured.	Wastewater shall be pre-treated prior to discharge.	Wastewater is properly treated prior to discharge as observed on 3 rd May 2018.

5.4 During site inspection in the reporting month, reminder and suggestion are made to the Contractor and corresponding environmental mitigation measures were observed. The implementation of environmental mitigation measures for construction stages stated in approved EIA Report, EM&A Manual and Environmental Permit were carried out properly as shown in Appendix C.

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6.0 Monitoring Methodology

Monitoring Parameter

- 6.1 Impact noise monitoring was conducted at the designated noise monitoring location between 0700-1900 hours using a sound level meter which complies with the International Electrotechnical Commission Publications 651:1979 (Type 1) and 804:1985 (Type 1).
- Monitoring of $L_{eq(30min)}$ were carried out at each station at 0700-1900 hours on normal weekdays at a frequency of once a week when construction are underway. The L_{eq} , L_{10} and L_{90} were recorded at the specified intervals. The meter was mounted on a tripod at a height of 1.2m above ground with the microphone positioned at G/F adjacent the NSRs facing the works area.
- 6.3 Noise measurements were not be made in the presence of fog, rain, and wind with a steady speed exceeding 5m/s or wind with gusts exceeding 10m/s. The wind speed was checked with a portable anemometer capable of measuring the wind speed in m/s. Noise measurements were made when construction activities were underway.

Calibration and Maintenance

- 6.4 The calibration of the sound level meter and their respective calibrators were carried out according to the manufacturer's requirements. The sound level meter and the calibrator were calibrated at an accredited laboratory to ensure their performance and accuracy meet manufacturer's specifications.
- 6.5 Maintenance and calibration procedures are as follows:
 - The microphone head of the sound level meter and calibrator should be cleaned with a soft cloth at quarterly intervals; and
 - The sound level meter and calibrator should be calibrated annually

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- 6.6 Immediately prior to and following each noise measurement the accuracy of the sound level meter was checked using the acoustic calibrator. Measurements shall be valid only if the calibration level, before and after the noise measurement, agree to within 1.0 dB.
- 6.7 The equipment shall be stored properly and well-maintained with regard to the manufacturer's recommendations. Noise instrumentation details are given in Table 8 and the Calibration Certificates for the sound level meter and calibrator are given in Appendix D.

Table 8 Noise Monitoring Equipment

Item	Equipment	Model Number	Serial Number	
1	Integrating Sound Level Meter	AWA5661	304042	
2	Integrating Sound Level Meter	AWA5661	301143	
3	Calibrator	ND9	507258	

Monitoring Locations

6.8 The designated locations for the construction noise monitoring are listed in Table 9 and shown in Appendix I.

Table 9 Representative Noise Sensitive Receivers Identified for Construction

NSR ID	Location	NSR Type	
NSR1	Sir Ellis Kadoorie Secondary School (West Kowloon)	Educational Premises	
NSR7	Fu Cheong Estate Fu Yun House	Residential Premises	

NSR denotes Noise Sensitive Receivers

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7.0 Monitoring Results

- 7.1 Impact noise monitoring was conducted at Sir Ellis Kadoorie Secondary School (NSR1) and Fu Cheong Estate Fu Yun House (NSR7) on 4th, 10th, 16th, 21st and 27th April 2018.
- Noise monitoring results in terms of L_{eq(30min)}, L_{10(30min)} and L_{90(30min)} measured at Sir Ellis Kadoorie Secondary School (NSR1) and Fu Cheong Estate Fu Yun House (NSR7) are summarized in *Table 10* and *Table 11* respectively and the corresponding graphical plot and field record sheet are given in **Appendix E**. The field record sheets recorded the measured noise levels according to façade measurements. L₁₀ and L₉₀ represent sound levels that are exceeded 10% and 90% of the time respectively. Normally, L₁₀ measurements can be considered as the average peak levels, whilst L₉₀ levels can be considered as the average background noise levels. No exceedance was found during the reporting period at both NSR1 &NSR7 according to the monitoring results.

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Table 10 Noise Monitoring Results at NSR1

NSR1	Sir Ellis Kadoorie Secondary School						
Date	Monitoring Time Period	Weather Condition	Wind Speed (m/s)	L _{10(30 min)}	L90(30 min)	Leq(30 min)	Limit Level
4/4/2018	07:00-19:00	Sunny	<5	66.6	60.3	64.4	70.0
10/4/2018 (Exam)	07:00-19:00	Fine	<5	66.2	60.0	64.1	65.0
16/4/2018 (Exam)	07:00-19:00	Cloudy	<5	66.0	58.4	64.0	65.0
21/4/2018	07:00-19:00	Fine	<5	66.6	60.0	64.5	70.0
27/4/2018	07:00-19:00	Sunny	<5	66.3	59.2	64.2	70.0
Average Leq(30 min)			64.3			70.0	
Average Leq(30 min) for Exam			64.0			65.0	

Remarks:

Unit in dB(A)

Non-Exam – Session that there was non-examination session at NSR1; Limit level = 70.0 dB(A)

Exam – Session that there was examination session at NSR1; Limit level = 65.0 dB(A)

Date with both examination session and noise monitoring in the reporting period:

 10^{th} April 2018 and 16^{th} April 2018

Compliance achieved in the reporting period

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<u>Table 11 Noise Monitoring Results at NSR7</u>

NSR7	Fu Cheong Estate Fu Yun House						
Date	Monitoring Time Period	Weather Condition	Wind Speed	L _{10(30 min)}	L90(30 min)	Leq(30 min)	Limit
			(m/s)				Level
4/4/2018	07:00-19:00	Sunny	<5	73.2	65.3	71.2	75.0
10/4/2018	07:00-19:00	Fine	<5	73.4	66.1	71.3	75.0
16/4/2018	07:00-19:00	Cloudy	<5	72.6	65.2	70.6	75.0
21/4/2018	07:00-19:00	Fine	<5	72.6	64.4	70.7	75.0
27/4/2018	07:00-19:00	Sunny	<5	73.0	65.6	71.0	75.0
Average Leq(30 min)			71.0			75.0	

Remarks:

Unit in dB(A)

Limit Level for NSR7 = 75.0 dB(A)

Compliance achieved in the reporting period

- 7.3 For examination session at Sir Ellis Kadoorie Secondary School (NSR1), the minimum and maximum noise levels measured in a single 30-min period were 63.1 dB(A) Leq(30min) and 65.0 dB(A) Leq(30min) respectively with an average of 64.0 dB(A) Leq(30min). For non-examination session at NSR1, the minimum and maximum noise level measured in a single 30-min period were 63.0 dB(A) Leq(30min) and 65.8 dB(A) Leq(30min) respectively with an average of 64.3 dB(A) Leq(30min). Therefore, the results were not considered as exceedance. (Leq(30min) not greater than 65.0 dB(A) and 70.0 dB(A) for examination and non-examination session respectively).
- 7.4 The minimum and maximum noise levels measured in a single 30-min period at the Fu Cheong Estate Fu Yun House (NSR7) were 68.1 dB(A) $L_{eq(30min)}$ and 72.8 dB(A) $L_{eq(30min)}$ respectively with an average of 71.0 dB(A) $L_{eq(30min)}$. Therefore, the results were not considered as exceedance. ($L_{eq(30min)}$ not greater than 75.0 dB(A)).



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7.5 Steel fixing was undertaken on-site and this was identified as the major influencing factors affecting the monitoring results.

8.0 Non-compliance, Complaints, Notifications of Summons and

Status of Prosecutions

Record on Non-compliance of Action and Limit Levels

8.1 For construction noise, no Action and Limit Level exceedance was recorded at all monitoring stations in the reporting period.

Record on Environmental Complaints Received

- 8.2 No environmental compliant was recorded in the reporting month.
- 8.3 The cumulative statistics on complaints were provided in **Appendix K**.

Record on Notifications of Summons and Successful Prosecution

8.4 No notification of summons or successful prosecution was received this month. The cumulative statistics on notifications of summons and successful prosecutions were provided in **Appendix K**.

Review of Reasons for and Implications of Non-compliance, Complaints, Summons and Prosecutions

8.5 As no notification of summon or successful prosecution was received, the associated review was not required.

Follow-up Actions Taken

8.6 As no notification of summons or successful prosecution was received, the associated follow-up action was not required.

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9.0 Forecast of Works Programme and Future Key Issues

- 9.1 The major site work scheduled to be commissioned in the coming three months include:
 - R.C. Frame works;
 - Plumbing installation works;
 - Drainage installation works;
 - Electrical installation works;
 - MVAC installation works;
 - Fire services installation works:
 - Site works of aluminum window / louvre and curtain wall;
 - Grasscrete works;
 - Internal finishing works;
 - Mechanical handling and lifting installation works;
 - Lift services works;
 - Roofing works;
 - Sanitary fitting installation works;
 - External and landscaping works;
 - Soft Landscaping; and
 - Glazing works.
- **9.2** Key issues to be considered in the coming three months include:
 - Properly store and label oils and chemicals on site;
 - Chemical, chemical waste and waste management;
 - Sorting, recycling, storage and disposal of general refuse and construction waste;



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- Properly maintain all drainage facilities and wheel washing facilities on site;
- Generation of dust from construction works;
- Noise impact from operation equipment and machinery on site;
- Generation of site surface runoffs and wastewater from activities on site; and
- Tree protective measures for all retained trees should be well maintained.
- 9.3 The environmental site inspection and environmental monitoring will be continued in the coming month. Impact monitoring for noise in accordance with the approved EM&A Manual has commenced since 4th March 2016. The tentative monitoring schedule is appended in *Appendix G*.

10.0 Solid and Liquid Waste Management Status

- 10.1 The contractor has registered as chemical waste producers for the Contract. C&D material sorting was carried out on site. Sufficient numbers of receptacles were available for general refuse collection.
- 10.2 As advised by the Contractor, 39.71 tons excavated C&D materials were disposed at public fills during the reporting period and 123.87 tons of general refuse was disposed at NENT landfill. No recyclable (e.g. metals, paper/cardboard packaging or plastics) was collected by recycling contractor in the reporting month. 0 tons of inert C&D materials were reused on site and reused in NENT for backfilling purpose respectively. 0 tons of chemical waste was collected by licensed contractor in the reporting period. Monthly Waste Flow Table is given in *Appendix L*.
- The Contractor was advised to maintain on site waste sorting and recording system 10.3 and maximize reused / recycle of C&D wastes.

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11.0 Comments, Recommendations and Conclusions

- 11.1 Environmental impact monitoring had been carried out for FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot, Yen Ming Road, West Kowloon Reclamation Area.
- 11.2 The recommended mitigation measures are summarized as below:

Chemical Waste and Waste Management

- C&D material should be sorted and removed timely;
- All plants on site should be properly maintained to prevent oil leakage;
- General refuse and construction waste shall be sorted, recycled, stored and disposed properly and record shall be kept; and
- Larger chemical waste storage tanks shall be provided.

Water Quality Impact

- All drainage facilities on site shall be properly maintained; and
- Generation of site surface runoffs and wastewater from activities on site shall be properly treated with the on-site wastewater treatment system prior to discharge.

Air Quality Impact

- All vehicle should be washed to remove any dusty;
- Haul roads should be sufficiently dampened to minimize fugitive dust generation; and
- Wheel washing facilities shall be installed since water jet is implemented as temporary measures.

Construction Noise Impact

- Noisy operations should be oriented to a direction away from sensitive receivers as far as possible; and
- Noise barrier should be properly implemented during construction work.

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Landscape and Visual Impact

- Retained tree should be properly fenced off and the working area; and
- Mulching shall be provided to the retained tree.
- 11.3 The mitigation measures had been implemented to minimize the environmental impacts due to the construction of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot, Yen Ming Road, West Kowloon Reclamation Area. The recommended mitigation measures in the EIA process and the EM&A programme were effective in protecting the environment. As such, the environmental performance during the construction phase was considered acceptable.
- 11.4 Impact noise monitoring was conducted at Sir Ellis Kadoorie Secondary School (NSR1) and the Fu Cheong Estate Fu Yun House (NSR7) on 4th, 10th, 16th, 21st and 27th April 2018.
- 11.5 For examination session at Sir Ellis Kadoorie Secondary School (NSR1), the minimum and maximum noise levels measured in a single 30-min period were 63.1 dB(A) Leq(30min) and 65.0 dB(A) Leq(30min) respectively with an average of 64.0 dB(A) Leq(30min). For non-examination session at NSR1, the minimum and maximum noise levels measured in a single 30-min period were 63.0 dB(A) Leq(30min) and 65.8 dB(A) Leq(30min) respectively with an average of 64.3 dB(A) Leq(30min). Therefore, the results were not considered as exceedance. (Leq(30min) not greater than 65.0 dB(A) and 70.0 dB(A) for examination and non-examination session respectively).
- 11.6 The minimum and maximum noise level measured in a single 30-min period at the Fu Cheong Estate Fu Yun House (NSR7) were 68.1 dB(A) $L_{eq(30min)}$ and 72.8 dB(A) $L_{eq(30min)}$ respectively with an average of 71.0 dB(A) $L_{eq(30min)}$. Therefore, the results were not considered as exceedance. ($L_{eq(30min)}$ not greater than 75.0 dB(A)).
- 11.7 Steel fixing was undertaken on-site and this was identified as the major influencing factors affecting the monitoring results.
- 11.8 In the reporting period, no environmental complaint and no notification of summons or successful prosecution was received.
- 11.9 Weekly construction phase site inspections and landscape and visual impact



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inspections were conducted during the reporting month as required. The monitoring results and statistics of non-compliance indicated that the EIA process with its recommended mitigation and EM&A programme were effective for protection of the environment and there was no significantly unacceptable environmental impact posed by the Project.

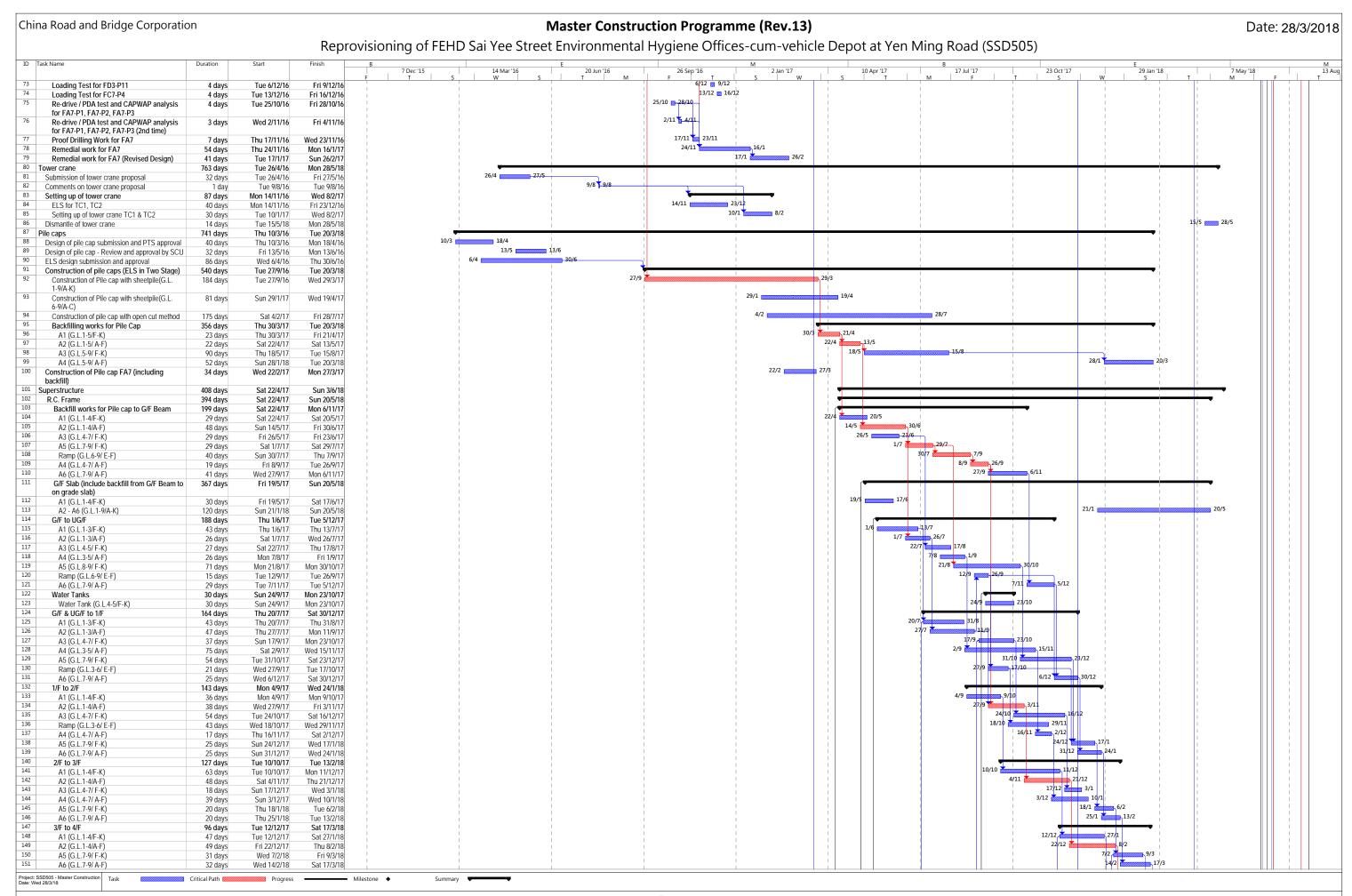
- 11.10 In the reporting month, 39.71 tons excavated C&D materials were disposed at public fills and 123.87 tons of general refuse was disposed at NENT landfill. No recyclable (e.g. metals, paper/cardboard packaging or plastics) was collected by the recycling contractor.
- 11.11 Construction activities to be undertaken in the next three months include R.C. Frame works, plumbing installation works, drainage installation works, electrical installation works, MVAC installation works, fire services installation works, site works of aluminum window / louvre and curtain wall, grasscrete works, internal finishing works, mechanical handling lifting installation works, lift services works, roofing works, sanitary fitting installation works and external and landscaping works. Potential environmental impacts include generation of various wastes including oil and chemical wastes, general refuse and construction waste, maintenance work to all drainage facilities and wheel washing facility, dust from construction works, waste water from surface runoff, drainage facilities and wheel washing facilities noise from operation equipment and machinery, tree protective measures shall be carried for tree retained.
- 11.12 The Contractor should properly implement environmental mitigation measures as per the implementation schedule in the EM&A manual to ensure no adverse environmental impacts to be arisen from the construction works. The Contractor is also reminded to maintain good housekeeping at the site.



Appendix A Master Programme



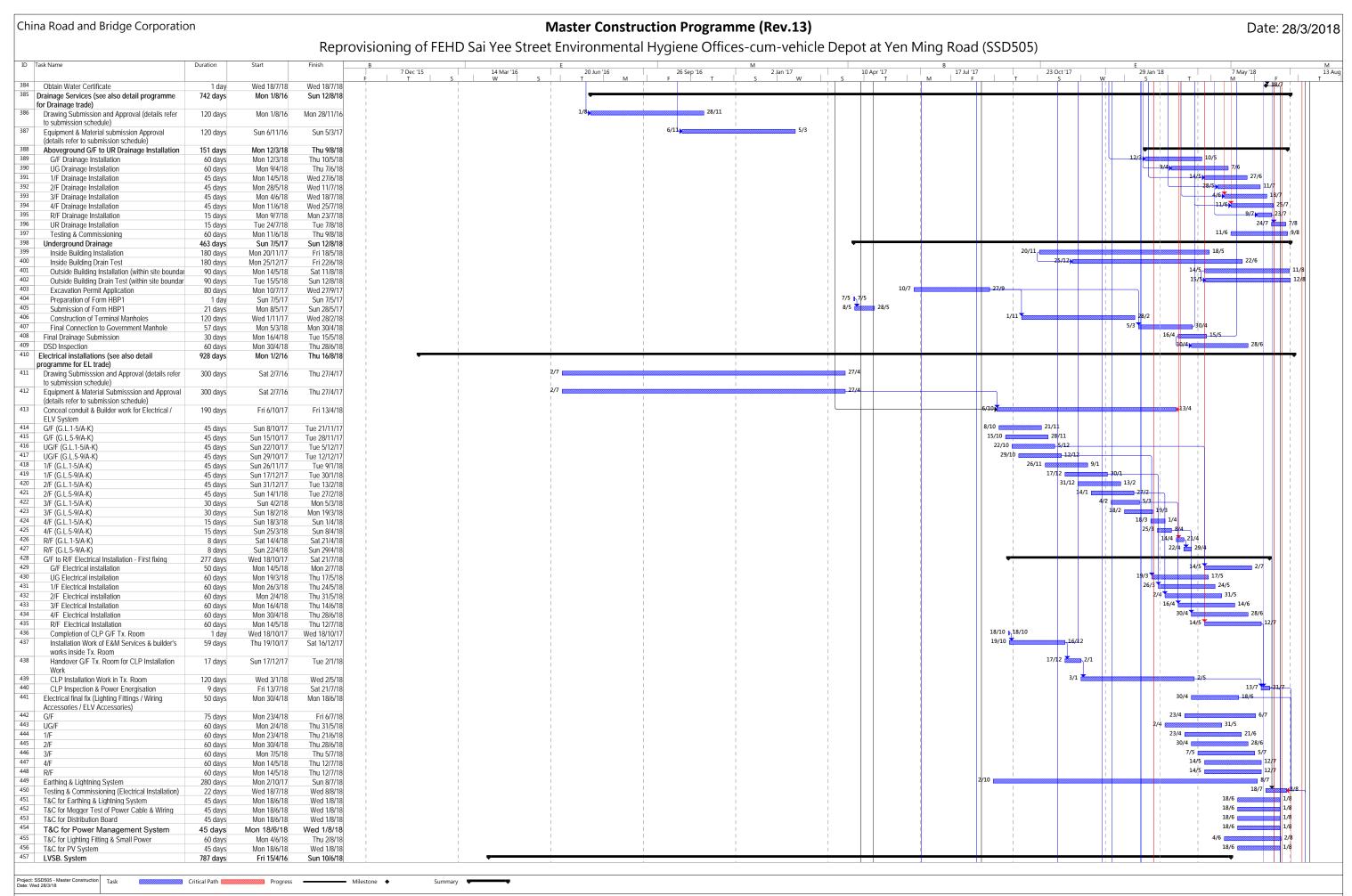
China Road and Bridge Corporation **Master Construction Programme (Rev.13)** Date: 28/3/2018 Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Ming Road (SSD505) Fri 31/8/18 997 days Wed 9/12/15 Contract period 9/12 9/12 Wed 9/12/15 Wed 9/12/15 Project commencem 1 day 31/8 | 31/8 Project completion 1 day Fri 31/8/18 Fri 31/8/18 Milestone Dates 997 days Wed 9/12/15 Fri 31/8/18 9/12 9/12 Project commencer 1 day Wed 9/12/15 Wed 9/12/15 Submission / Application of Form WWO 046 (Part 1 day Wed 22/3/17 Wed 22/3/17 Wed 11/7/18 Wed 11/7/18 1 day Last Manhole Connection Completion 1 day Mon 30/4/18 Mon 30/4/18 Water Certificate Obtained (Plumbing Installation) 1 day 1 day Wed 18/7/18 Wed 18/7/18 Handover of Transformer Room & Switch Room Tue 2/1/18 Tue 2/1/18 11 Sat 21/7/18 Power Energisatio 1 day Sat 21/7/18 Lift certificate Obtained (Fireman's Lift) 1 day 1 day 1 day Mon 23/7/18 Mon 23/7/18 Thu 12/7/18 Thu 12/7/18 Form 501 Submission Thu 2/8/18 Thu 2/8/18 2/8 FSD inspection F.S. Certificate Obtained 1 day Wed 22/8/18 Wed 22/8/18 31/8 31/8 Site Handover 1 day Fri 31/8/18 Fri 31/8/18 997 days Critical Path Summary Wed 9/12/15 Fri 31/8/18 9/12 Wed 9/12/15 Wed 9/12/15 Project commenceme 0 days 31/3 113 days Thu 10/12/15 Thu 31/3/16 Hoarding installation H-pile (305x305x180) - total 399nos Fri 1/4/16 127 days 21 6/8 19/8 As-built record submission and selection of 14 days Sat 6/8/16 Fri 19/8/16 loading test 20/8 Loading test (70% completed) 38 days Sat 20/8/16 Mon 26/9/16 Construction of Pile cap with sheetpile (80% 184 days Tue 27/9/16 Wed 29/3/17 Backfilling works for Pile Cap 45 days Sat 13/5/17 Thu 30/3/17 R.C. Frame of A2 (G.L.1-4/A-F), G/F~UR/F, 14/5 Sun 14/5/17 Fri 13/4/18 335 days 14/4 External Wall Preparation Works for Curtain Wall Sat 14/4/18 Sun 13/5/18 30 days Installation CW1, CW2 Erection of Aluminium Frames (CW1, CW2) 31 days Mon 14/5/18 Wed 13/6/18 14/6 21 days Thu 14/6/18 Wed 4/7/18 Glazing works Removal of scaffoldings Thu 5/7/18 Wed 1/8/18 28 days FSD inspection and Issuance of FS Certificate 21 days Thu 2/8/18 Wed 22/8/18 SCCU Inspection 8 days Thu 23/8/18 Thu 30/8/18 31/8 31/8 General cleaning 1 day Fri 31/8/18 Fri 31/8/18 365 days Thu 10/12/15 Thu 8/12/16 Preparation works 10/12 16/12 Mobilization Thu 10/12/15 Wed 16/12/15 7 days Condition survey and U/G utility survey 80 days Thu 10/12/15 Sat 27/2/16 10/12 Setting up site office (1) Drawing submission and 130 days Thu 10/12/15 Sun 17/4/16 37 18/4 Setting up site office (2) Material fabrication and 60 days Mon 18/4/16 Thu 16/6/16 Thu 14/7/16 Temporary electricity and water 218 days Thu 10/12/15 10/12 **13/2** Sat 13/2/16 Setting out of site area 66 days Thu 10/12/15 Thu 31/3/16 113 days Thu 10/12/15 Hoarding (1) installation Hoarding (2) painting and lighting 60 days Fri 1/4/16 Mon 30/5/16 Removal of existing trees 60 days Thu 10/12/15 Sun 7/2/16 Hoarding enhancement work 45 days Tue 25/10/16 Thu 8/12/16 Piling work 446 days Wed 9/12/15 Sun 26/2/17 Wed 9/12/15 Wed 24/2/16 **Design Submission** 78 days Preparation and submit piling design 27 days Wed 9/12/15 Mon 4/1/16 Review of piling design by SCU 30 days Tue 5/1/16 Wed 3/2/16 Coordination with MTRC and Method statement for MTRC Approval 21 days Thu 4/2/16 Wed 24/2/16 14/12 Noise permit application 45 days Mon 14/12/15 Wed 27/1/16 Mon 28/12/15 Material testing 141 days Mon 16/5/16 H-Pile Delivery (Batch 1 to 4) 15 days Mon 28/12/15 Mon 11/1/16 12/4 13/4 13/4 H-Pile Delivery (Batch 5) 1 day Tue 12/4/16 Tue 12/4/16 H-Pile Delivery (Batch 6) Wed 13/4/16 1 day Wed 13/4/16 Delivery of Splicing Steel Plate (1st Batch) Sun 21/2/16 Sun 21/2/16 21/2 21/2 1 day 9/5 7 9/5 Delivery of Splicing Steel Plate (2nd Batch) 1 day Mon 9/5/16 Mon 9/5/16 10/5 16/5 Material Testing for H-pile (Batch 1) 7 days Tue 10/5/16 Mon 16/5/16 Material Testing for H-pile (Batch 2, 3 & 4 & 15 days Thu 28/1/16 Thu 11/2/16 Batch 1 16mmthk, steel plate) 58 Material Testing for H-pile (Batch 5, 6 & Batch 13 days Fri 22/4/16 Wed 4/5/16 22/4 4/5 2, 16mm thk steel plate) Completion of monitoring check points, noise 30 days Mon 8/2/16 Tue 8/3/16 barrier and baseline noise monitoring Installation of trial pile (2 hammers) 104 days Thu 10/3/16 Tue 21/6/16 19/5 Trial pile driving (21 nos.) 71 days Thu 10/3/16 Thu 19/5/16 20/5 PDA test 1 day Fri 20/5/16 Fri 20/5/16 31/5 31/5 1 day Tue 31/5/16 Tue 31/5/16 Final set table preparation Approval of Hiley Formula Data and Final Set 1/6 21/6 21 days Wed 1/6/16 Tue 21/6/16 332 days Fri 1/4/16 Sun 26/2/17 Installation of working pile Fri 1/4/16 Pile drivina 127 days Fri 5/8/16 H-pile (305x305x180) - total 399nos Fri 1/4/16 Fri 5/8/16 127 days H-pile (305x305x223) - total 87nos Sat 21/5/16 Thu 7/7/16 48 days 39 days Wed 22/6/16 Sat 30/7/16 PDA test 60 days Wed 22/6/16 Sat 20/8/16 As-built record submission and selection of 14 days Sat 6/8/16 Fri 19/8/16 loading test Loading test (including set up)* 38 days Sat 20/8/16 Mon 26/9/10

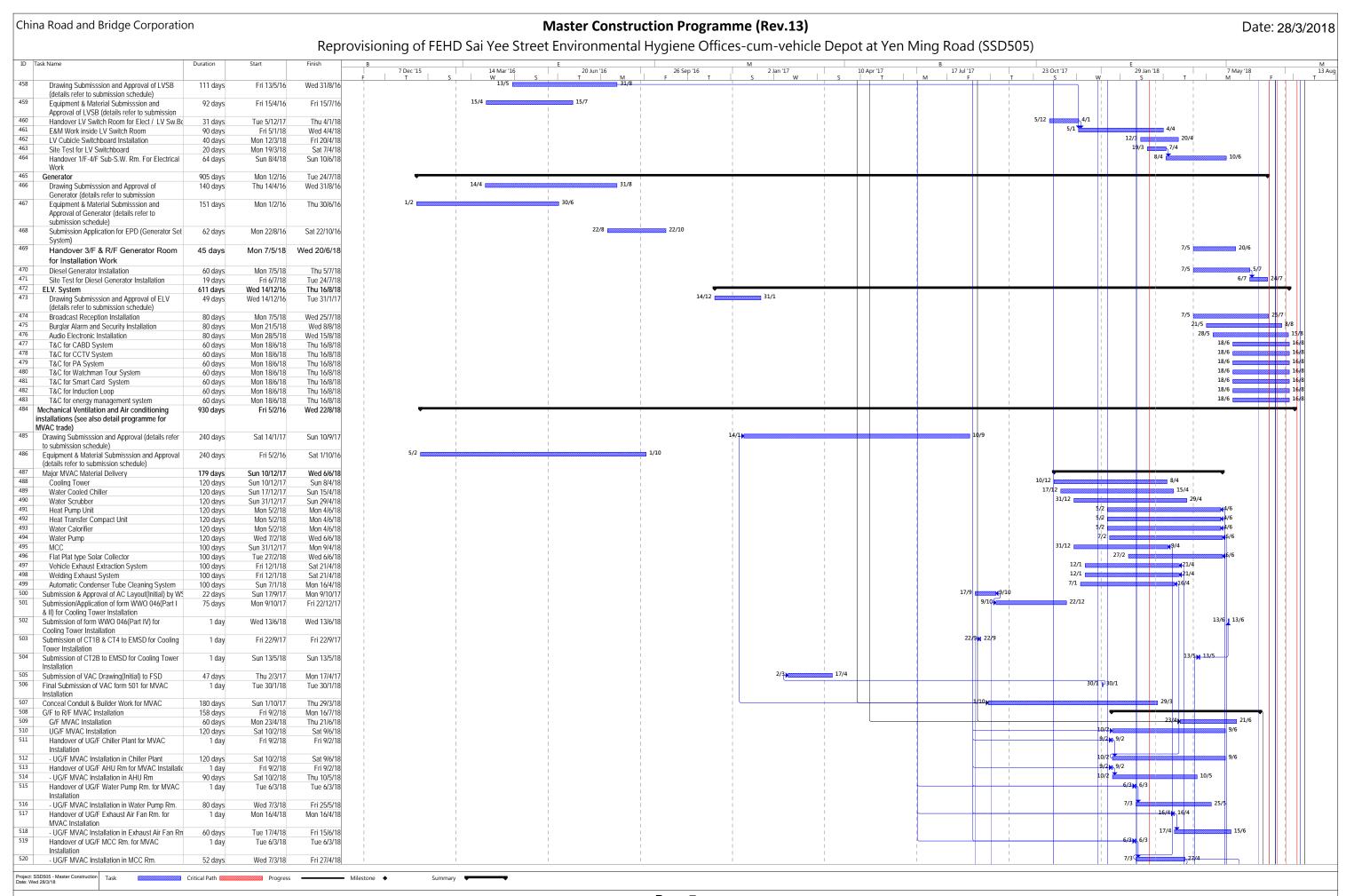


China Road and Bridge Corporation **Master Construction Programme (Rev.13)** Date: 28/3/2018 Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Ming Road (SSD505) 2 Jan '17 152 4/F to R/F 70 days Sun 28/1/18 Sat 7/4/18 153 15/3 A1 (G.L.1-4/F-K) 47 days Sun 28/1/18 Thu 15/3/18 154 23/3 A2 (G.L.1-4/A-F) 43 days Fri 9/2/18 Fri 23/3/18 155 10/3 29/3 A5 (G.L.7-9/ F-K) 20 days Sat 10/3/18 Thu 29/3/18 156 A6 (G.L.7-9/ A-F) 21 days Sun 18/3/18 Sat 7/4/18 R/F to UR/F 21 days Sat 24/3/18 Fri 13/4/18 158 Late cast portions (Temp openings for Tower 60 days Thu 5/4/18 Sun 3/6/18 Crane, Material Hoist, Water Tank, etc) 159 Material and Shopdrawing submissions for 180 days Mon 2/10/17 Fri 30/3/18 mock up items 160 Mon 15/1/18 Mon 28/5/18 Sample of finished work 134 days 161 Mon 22/1/18 Lavatory 73 days 162 Confirmation of Setting Out 7 days Mon 22/1/18 Sun 28/1/18 163 Flooring screeding 7 days Mon 29/1/18 Sun 4/2/18 164 5/2 _____14/2 10 days Mon 5/2/18 Wall and Floor Tiles Wed 14/2/18 165 BS Installation 10 days Sun 4/3/18 Tue 13/3/18 4/3 13/3 14/3 16/3 166 Wed 14/3/18 Fri 16/3/18 3 days 167 17/3 19/3 Install Sanitary Fitting 3 days Sat 17/3/18 Mon 19/3/18 168 29/3 🚃 4 General Cleaning and Inspection of Mock Up 7 days Thu 29/3/18 Wed 4/4/18 169 Mon 15/1/18 Wed 4/4/18 Locker 80 days 13/2 170 Confirmation of Shop Drawing and Colour Mon 15/1/18 30 days Tue 13/2/18 171 Mon 19/3/18 Fabrication 34 days Wed 14/2/18 20/3 🚡 24/3 Installation 5 days Tue 20/3/18 Sat 24/3/18 173 174 29/3 🚃 4/4 General Cleaning and Inspection of Mock Up 7 days Wed 4/4/18 Thu 29/3/18 Changing & Shower Room 74 days Sun 21/1/18 Wed 4/4/18 175 Confirmation of Setting Out 7 days Sun 21/1/18 Sat 27/1/18 176 Flooring screeding 7 days Sun 28/1/18 Sat 3/2/18 4/2 _____13/2 Wall and Floor Tiles 10 days Sun 4/2/18 Tue 13/2/18 178 14/2 23/2 10 days Wed 14/2/18 Fri 23/2/18 BS Installation 179 Ceiling Installation 14 days Sat 24/2/18 Fri 9/3/18 180 Sun 18/3/18 Wed 21/3/18 4 days 181 General Cleaning and Inspection of Mock Up 7 days Thu 29/3/18 Wed 4/4/18 Corridor 62 days Mon 12/2/18 Sat 14/4/18 12/2 🚃 18/2 183 Confirmation of Setting Out 7 days Mon 12/2/18 Sun 18/2/18 184 19/2 25/2 Flooring screeding Sun 25/2/18 26/2 7/3 185 Wall and Floor Tiles 10 days Mon 26/2/18 Wed 7/3/18 8/3 17/3 BS Installation 10 days Thu 8/3/18 Sat 17/3/18 Sat 7/4/18 Ceiling Installation 21 days Sun 18/3/18 8/4 14/4 188 General Cleaning and Inspection of Mock Up Sun 8/4/18 Sat 14/4/18 7 days 189 Sun 15/4/18 G/F Entrance lobby 44 days Mon 28/5/18 190 15/4 21/4 Confirmation of Setting Out 7 days Sun 15/4/18 Sat 21/4/18 191 Flooring screeding 7 days Sun 22/4/18 Sat 28/4/18 Wall and Floor Tiles 10 days Sun 29/4/18 Tue 8/5/18 9/5 18/5 19/5 21/5 193 BS Installation 10 days Wed 9/5/18 Fri 18/5/18 194 Ceiling Installation 3 days Sat 19/5/18 Mon 21/5/18 22/5 🚵 28/5 195 General Cleaning and Approval of Mock Up 7 days Tue 22/5/18 Mon 28/5/18 196 Grasscrete (G/F External parking area) 64 days Tue 15/5/18 Tue 17/7/18 Surface preparation 28 days Tue 15/5/18 Mon 11/6/18 12/6 23/6 198 199 12 days Tue 12/6/18 Sat 23/6/18 Lav sub-base and sand 12 days Sun 24/6/18 Thu 5/7/18 Lay grasscrete block 6/7 200 12 days Fri 6/7/18 Tue 17/7/18 Recycled plastic 72 days Tue 15/5/18 Wed 25/7/18 External cladding & louvre feature 56 days Tue 15/5/18 Mon 9/7/18 15/5 21/5 7 days Tue 15/5/18 Mon 21/5/18 Setting out works 204 Installation of GMS frame 28 days Tue 22/5/18 Mon 18/6/18 22/5 19/6 Fixing of recycle plastic 21 days Tue 19/6/18 Mon 9/7/18 206 Green wall feature 56 days Tue 15/5/18 Mon 9/7/18 15/5 21/5 Setting out works 7 days Tue 15/5/18 Mon 21/5/18 208 28 days Installation of GMS frame Tue 22/5/18 Mon 18/6/18 21 days Tue 19/6/18 Fixing of recycle plastic 210 Parapet wall feature 56 days Thu 31/5/18 Wed 25/7/18 Setting out works 7 days Thu 31/5/18 Wed 6/6/18 Wed 4/7/18 Installation of GMS frame 28 days Thu 7/6/18 213 Thu 5/7/18 Wed 25/7/18 Fixing of recycle plastic 21 days 214 Major Material Submission and Approval (details 379 days Thu 23/3/17 Fri 6/4/18 refer to submission schedule) ♦ 16/10 0 days Mon 16/10/17 Mon 16/10/17 Solid concrete block Thu 11/5/17 Thu 11/5/17 Liquid membrane waterproofing 0 days 217 Cementitious waterproofing coating 0 days Mon 3/7/17 Mon 3/7/1 218 ♠ 20/10 Fri 20/10/17 Fri 20/10/17 219 Wall Tiles 0 days Wed 14/6/17 Wed 14/6/17 220 Plastic laminate panel (wood grain pattern) 0 days Wed 17/5/17 Wed 17/5/17 Acoustic timber wall panel system 90 days Sun 7/1/18 Fri 6/4/18 89 days Sun 7/1/18 Thu 5/4/18 Folding partition: → 7/6 0 days Wed 7/6/17 Wed 7/6/17 Ironmongeries 224 225 Toilet cubicle partitions 0 days Thu 13/7/17 Thu 13/7/17 Ceiling System 90 days Sun 7/1/18 Fri 6/4/18 226 Thu 13/7/17 Thu 13/7/17 0 days Locker system 227 228 External recycle plastic features 0 days Tue 20/6/17 Tue 20/6/17 ▲ 20/6 Recycle plastic trellis (Type 1) Tue 20/6/17 Tue 20/6/17 20/6 0 days 229 ♦ 20/6 Recycle wood plastic composite with aluminium 0 days Tue 20/6/17 Tue 20/6/17 core section wall cladding 230 23/3 0 days Thu 23/3/17 Thu 23/3/17 Vinyl floor tile 231 Carpet tile Tue 16/1/18 Tue 16/1/18 0 days

hina Road and Bridge Corporatio	n		Master Construction Programme (Rev.13)		Date: 28/3/2
			Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Mi	ing Road (SSD505)	
Task Name	Duration	Start	B 7 Dec '15	B	7 May '18
External and internal paint Shop drawing Submission and Approval (details	0 days	Tue 16/1/18	16/1/18	→ 16/1	
Shop drawing Submission and Approval (details refer to submission schedule)	147 days	Sun 4/2/18	30/6/18		
Glazing doors	60 days	Sun 11/2/18	11/4/18	11/2	
Metal Door and access panels	60 days	Sun 11/2/18	11/4/18	11/2 11/4	
Recycled Plastic Feature	80 days	Sun 4/2/18	24/4/18	4/2 1/1/2 1/1/2 1/1/4	
Suspensed Ceiling and Fire Resisting Enclosure	60 days	Sun 11/2/18	11/4/18	11/2	
System Fall Arrest System	30 days	Sun 18/2/18	19/3/18	18/2 19/3	
Acoustic Timber Wall Panel System	60 days	Sun 11/2/18	17/4/18	11/2	
Acoustic Operable Wall System	60 days	Sun 25/2/18	25/4/18	25/2 25/4	
Timber Door	60 days	Sun 18/2/18	18/4/18	18/2	
Timber Cabinet	60 days	Sun 11/2/18	11/4/18	11/2	
Roller Shutters and Fire Shutters Metal railing system	60 days 60 days	Sun 18/2/18 Sun 11/2/18	18/4/18	11/2	
Waterproofing System	60 days	Sun 4/2/18	10-910	4/2	
Toilet and Shower Cubicle Partition Systems	60 days	Sun 11/2/18	11/4/18	11/2	
Changing Room Lockers System	60 days	Sun 25/2/18	25/4/18	25/4	
Signage	60 days	Wed 2/5/18	30/6/18	2/5	30/6
Internal Finishing Works	292 days	Wed 1/11/17	19/8/18		
Block Wall Erection G/F	211 days	Thu 7/12/17 Thu 7/12/17	15/7/18 - 4/2/18	7/12	
UG/F	60 days 90 days	Sun 14/1/18	1.4/2/18	14/1	
1/F	60 days	Sun 4/2/18	1 4/4/18	4/2 4/2	
2/F	60 days	Sun 11/3/18	19/5/18	11/3	
3/F	60 days	Mon 16/4/18	14/6/18	16/4	14/6
4/F	60 days	Mon 7/5/18	15/7/18		5/7
Window and Louver	80 days	Mon 21/5/18 Mon 26/2/18	1 8/8/18 25/6/18	26/2	25/6
Internal Waterproofing works Plastering, Tiling & Laying Floor Screed	120 days 260 days	Wed 1/11/17	23/0/18	1/11	18/7
Carpentry & Joinery/ Ironmongery and Door	70 days	Wed 30/5/18	16/716 7/8/18	30/5	7/8
Installation					
Metal Works (Roller Shutter, railing)	90 days	Sun 22/4/18	20/7/18	22/4	20/7
False Ceiling	60 days	Wed 30/5/18	28/7/18	30/5	28/7
Flooring Finishes	50 days	Fri 29/6/18	17/8/18		29/6
Painting Internal painting (Final Coat)	92 days 92 days	Sun 20/5/18 Sun 20/5/18	19/8/18 19/8/18		
G/F	28 days	Sun 20/5/18	1700 1 16/6/18	20/5	16/6
7 UG/F	28 days	Sun 3/6/18	30/6/18	3/69	30/6
8 1/F	28 days	Sat 16/6/18	13/7/18		13/7
9 2/F	28 days	Fri 29/6/18	26/7/18		29/6
0 3/F 1 4/F	21 days	Thu 12/7/18	1/8/18		18/1
2 R/F	21 days 21 days	Wed 18/7/18 Tue 24/7/18	2.7/8/18 13/8/18		24/7
3 UR/F	21 days	Mon 30/7/18	19/8/18		30/7 19
External Wall Preparation Works for Curtain Wall	30 days	Sat 14/4/18	13/5/18	14/4	
Installation CW1, CW2	-				.
External Wall Preparation Works for Curtain Wall	23 days	Sun 6/5/18	28/5/18	28/	·
Installation CW3, CW4, CW5, CW6 External Wall Plastering and Tiling Works	45 days	Sat 14/4/18	28/5/18	14/4	;
7 External painting	30 days	Tue 29/5/18	27/6/18		27/6
8 Roofing works	80 days	Tue 1/5/18	19/7/18		
Waterproofing Application	45 days	Tue 1/5/18	14/6/18		
Waterproofing Testing Roof tiling	14 days	Fri 15/6/18	28/6/18		28/6
Ttool timig	21 days	Fri 29/6/18	19/7/18		29/6 19/7
Sanitary fittings installation B G/F - 1/F	41 days 14 days	Fri 1/6/18 Fri 1/6/18	11/7/18 14/6/18	1/6	14/6
1 2/F ~ 4/F	20 days	Fri 15/6/18	14/0/18		4/7
5 R/F ~ UR/F	7 days	Thu 5/7/18	11/7/18		5/7 👗 11/7
Submission of Aluminium window/ louvre &	289 days	Sat 30/9/17	15/7/18		-
Curtain Wall Submission	193 days	Sat 30/9/17	10/4/18		
CW1~CW6 Shop Drg. & Calculation	1 day	Sat 30/9/17	30/917 30/917	30/9 1,30/9	
(re-submission)					
9 Review & Approval by P&T	16 days	Sun 1/10/17	6/10/17	1/10 16/10	
Visual Mock-up Drg. (CW3) Control Mock-up Drg. (CW3)	1 day	Thu 19/10/17	9/10/17	19/10 19/10 19/10 19/10	
телини тр — 9. (т.т.)	1 day	Thu 19/10/17	9/10/17	20/10 18/11	
Review & Approval by P&T Performance Test Drg. (CW1) and Test Proposa	30 days 1 day	Fri 20/10/17 Fri 27/10/17	8/11/17 7/10/17	27/10 27/10	
Review & Approval by P&T	30 days	Sat 28/10/17	6/11/17	28/10 26/11	
Glass Sample	1 day	Fri 17/11/17	7111/7	17/11 17/11	
Window Hardware	1 day	Fri 24/11/17	4/11/17	24/11 24/11	
Glass & Hardware Review & Approval by P&T	14 days	Sat 18/11/17	1/12/17	18/11 1/12	
PVDF Color Guide	7 days	Sun 19/11/17	5/11/17	19/11 25/11	
Review & Color Selected by P&T Visual Mock-up (Off Site)	28 days	Wed 14/3/18	10/4/18	14/3 10/4	
 Visual Mock-up (Off Site) Ordering, Die Making & Extrusion of Aluminium 	176 days 60 days	Tue 17/10/17 Tue 17/10/17	10/4/18 5/12/17	17/10	
material	ou uays	Tue 1//10/17			
2 PVDF coating	3 days	Sat 16/12/17	8/12/17	16/12 🚮 18/12	
Ordering and Fabrication of GMS bracket/frame	14 days	Sun 24/12/17	<u>16//18</u>	24/12 - 6/1	
Fabrication of Aluminium Frames	45 days	Sun 31/12/17	13/2/18	31/12 13/2	
OS Glass Production OS Frection of Temproary Steel frame	45 days	Sun 7/1/18	20/2/18	7/1 20/2 17/2	
Description of Temproary Steel frame Frection of Aluminium Frames	14 days	Sun 4/2/18	17/2/18 26/2/18	18/2 26/2 1	
FLECTION OF AUTHORITIN FLAMES	9 days	Sun 18/2/18 Fri 9/3/18	26/2/18 11/3/18	9/3 11/3	
Glazing Works	3 days		THOUSE I		

China Road and Bridge Corporation **Master Construction Programme (Rev.13)** Date: 28/3/2018 Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Ming Road (SSD505) 14/8 10/4 Inspection & Approval of Mock-up 28 days Wed 14/3/18 Tue 10/4/18 310 Control Mock-up(CW3 - on site) Sun 4/2/18 Tue 8/5/18 94 days 311 Ordering, Die Making & Extrusion of Aluminium 33 days Thu 8/3/18 312 Fri 9/3/18 Fri 16/3/18 PVDF coating 8 days 12/3 25/3 Ordering and Fabrication of GMS bracket/frame Mon 12/3/18 Sun 25/3/18 14 days 314 Fabrication of Aluminium Frames 14 days Sat 17/3/18 Fri 30/3/18 315 Wed 11/4/18 18 days Sat 28/4/18 316 Erection of Temproary Steel frame 14 days Wed 11/4/18 Tue 24/4/18 18 days Frection of Aluminium Frames Mon 16/4/18 Thu 3/5/18 318 Fri 4/5/18 Mon 7/5/18 Glazing Works 4 days 319 Inspection of Mock-up 1 day Tue 8/5/18 Tue 8/5/18 320 Performance Test Mock-up (CW1 - HK 87 days Sun 14/1/18 Tue 10/4/18 Laboratory) 321 Ordering, Die Making & Extrusion of Aluminium Sun 14/1/18 Sat 17/2/18 35 days 322 29/1 31/1 PVDF coating Mon 29/1/18 Wed 31/1/18 323 Ordering and Fabrication of GMS bracket/frame 16 days Sun 4/2/18 Mon 19/2/18 28/2 2 12/3 25/2 17/3 Fabrication of Aluminium Frames 25 days Sun 4/2/18 Wed 28/2/18 325 Glass Production Sun 11/2/18 30 days Mon 12/3/18 326 Erection of Temproary Steel frame 21 days Sun 25/2/18 327 28/3 29/3 2/4 Erection of Aluminium Frames 18 days Sun 11/3/18 Wed 28/3/18 328 Glazing Works 5 days Thu 29/3/18 Mon 2/4/18 329 3/4 📝 5/4 Pre-testing 3 days Tue 3/4/18 Thu 5/4/18 330 331 9/4 8 10/4 Official Preformance Test 2 days Mon 9/4/18 Tue 10/4/18 Permanent Works 126 days Mon 12/3/18 Sun 15/7/18 332 12/3 25/3 Ordering & Die Making 14 days Mon 12/3/18 Sun 25/3/18 Extrusion of Aluminium material 8 days Mon 26/3/18 Mon 2/4/18 334 3/4 才 5/4 PVDF coating 3 days Tue 3/4/18 Thu 5/4/18 335 336 Ordering and Fabrication of GMS bracket/frame Mon 19/3/18 Thu 12/4/18 25 days Ordering & Production of Window hardware 30 days Mon 26/3/18 Tue 24/4/18 337 Fabrication of Aluminium Frames 30 days Mon 2/4/18 338 Glass Production 46 days Mon 9/4/18 Thu 24/5/18 125/5 👗 31/5 Inspection of Heat soak test Fri 25/5/18 7 days Thu 31/5/18 340 341 Delivery & Erection of Steel frame 30 days Mon 23/4/18 Tue 22/5/18 Delivery & Hositing of Aluminium Frames 23 days Mon 30/4/18 Tue 22/5/18 342 Erection of Aluminium Frames (CW1, CW2) Mon 14/5/18 Wed 13/6/18 343 Erection of Aluminium Frames (CW3, CW4 32 days Tue 29/5/18 Fri 29/6/18 CW5, CW6) 344 30 days Fri 1/6/18 Delivery & Hositing of Glass panels 345 21 days Thu 14/6/18 Wed 4/7/18 Field watertighness test 7 days Thu 5/7/18 Wed 11/7/18 Thu 12/7/18 Protection 4 days Sun 15/7/18 External and Landscaping works 92 days Sun 13/5/18 Sun 12/8/18 Recycled Products Installation 40 days Mon 21/5/18 Fri 29/6/18 350 30 days Sun 17/6/18 Mon 16/7/18 Removal of scaffolding 28 days Thu 5/7/18 Wed 1/8/18 51 days Hard Landscaping Mon 4/6/18 Tue 24/7/18 353 45 days Wed 18/7/18 Mon 4/6/18 R.C. Planter 354 Movable plante 45 days Mon 4/6/18 Wed 18/7/18 355 45 days Mon 4/6/18 Wed 18/7/18 Benches 30 days Mon 25/6/18 Tue 24/7/18 357 Soft Landscaping 92 days Sun 13/5/18 Sun 12/8/18 358 Soft Landscaping - Material Submission/ 28 days Sun 13/5/18 Sat 9/6/18 Soft Landscaping - Filing of soil Mon 18/6/18 Sun 8/7/18 Soft Landscaping - Plant Delivery 7 days Mon 9/7/18 Sun 15/7/18 361 Soft Landscaping - Planting works (Plus 28 days Mon 16/7/18 Sun 12/8/18 362 Site enclosure and divisions 80 days Mon 14/5/18 Wed 1/8/18 Construction of fence wall 60 days Mon 14/5/18 Thu 12/7/18 13/7 Fri 13/7/18 Wed 1/8/18 Installation of metal gates 20 days 60 days Mon 4/6/18 Builder's works for external services Thu 2/8/18 366 Plumbing Services (see also detail programme 717 days Mon 1/8/16 Wed 18/7/18 for Plumbing trade) 400 days Mon 4/9/17 Drawing Submission and Approval (details refer Mon 1/8/16 to submission schedule) 368 Equipment & Material submission Approval 170 days Sun 6/11/16 Mon 24/4/17 (details refer to submission schedule) 369 Submission / Application of Form WWO 046 (Part 17/3 22/3 Fri 17/3/17 Wed 22/3/17 6 days 370 G/F to R/F Plumbing Installation 158 days Sun 4/2/18 Wed 11/7/18 G/F Plumbing Installation 60 days Sun 4/2/18 Wed 4/4/18 Mon 12/3/18 LIG Plumbing Installation 65 days Tue 15/5/18 1/F Plumbing Installation 60 days Sun 18/3/18 Wed 16/5/18 374 2/F Plumbing Installation 60 days Sun 8/4/18 Wed 6/6/18 375 3/F Plumbing Installation 60 days Sun 22/4/18 Wed 20/6/18 4/F Plumbing Installation 60 days Sun 6/5/18 Wed 4/7/18 R/F Plumbing Installation 45 days Sun 27/5/18 Tue 10/7/18 Submission of Form WWO 046 (Part IV) Wed 11/7/18 Wed 11/7/18 1 day 379 1 day 380 Handover of All Water Tank & Pump Rooms at 2/F 1 day Mon 30/4/18 Mon 30/4/18 Testing & Commissioning 30 days Mon 11/6/18 Tue 10/7/18 WSD Inspection Thu 12/7/18 Mon 16/7/18 5 days 383 Anticipated Receipt of Form WWO 046 (Part V) Tue 17/7/18 Tue 17/7/18 1 day





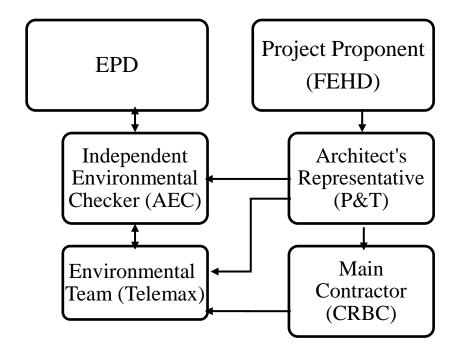
China Road and Bridge Corporation **Master Construction Programme (Rev.13)** Date: 28/3/2018 Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Ming Road (SSD505) 521 Handover of G/F Vehicle Washing Bay for Mon 16/4/18 Mon 16/4/18 1 day MVAC Installation 522 - G/F MVAC Installation in Vehicle Washing Bay 60 days Tue 17/4/18 Fri 15/6/18 523 1/F MVAC Installation 51 days Mon 16/4/18 Tue 5/6/18 2/F MVAC Installation 51 days Mon 30/4/18 Tue 19/6/18 525 Sat 7/7/18 3/F MVAC Installation Mon 28/5/18 41 days 526 Handover of 3/F PAU Rm (West Wing) for Tue 24/4/18 Tue 24/4/18 1 day MVAC Installation - 3/F MVAC Installation in PAU Rm (West Wing) 60 days Wed 25/4/18 Sat 23/6/18 528 24/4 24/4 Handover of 3/F PAU Rm (East Wing) for 1 day Tue 24/4/18 Tue 24/4/18 529 25/4 24/4 28/5 - 3/F MVAC Installation in PAU Rm (East Wing) 60 days Wed 25/4/18 Sat 23/6/18 4/F MVAC Installation 35 days Tue 24/4/18 Mon 28/5/18 16/5 Handover of 4/F Cooling Tower Plant for MVAC Wed 16/5/18 Wed 16/5/18 1 day 532 - 4/F MVAC Installation in Cooling Tower Plant 26 days Mon 11/6/18 10/5 10/5 533 Handover of PAU Rm (West Wing) for MVAC 1 day Thu 10/5/18 Thu 10/5/18 Installation 534 - 4/F MVAC Installation in PAU Rm (West Wing) Fri 11/5/18 Mon 9/7/18 11/5 60 days 4/6 535 R/F MVAC Installation 43 days Mon 4/6/18 Mon 16/7/18 536 31/5 31/5 Handover of R/F Heat Pump Plant for MVAC 1 day Thu 31/5/18 Thu 31/5/18 Installation 537 - R/F MVAC Installation in Heat Pump Plant Fri 1/6/18 Thu 21/6/18 21 days 31/5 31/5 538 Handover of Flat Roof for MVAC Installation 1 day Thu 31/5/18 Thu 31/5/18 539 - R/F MVAC Installation in Flat Roof 36 days Fri 1/6/18 Fri 6/7/18 20/7 Testing & Commissioning (MVAC) 20 days Fri 20/7/18 Wed 8/8/18 Testing & Commissioning & Handover(MVAC) 239 days Wed 27/12/17 Wed 22/8/18 12/6, 26/7 15/6, 29/7 5/6, 19/7 18/6, 12/7 542 543 Cooling Tower Function & Full Load Test Tue 12/6/18 45 days Thu 26/7/18 Water Cooled Chiller Function & Full Load Test 45 days Fri 15/6/18 Sun 29/7/18 544 Water Pump Performance Test 45 days Tue 5/6/18 Thu 19/7/18 Water Pump Alignment Test 45 days Tue 29/5/18 Thu 12/7/18 546 Water Scrubber Performance Test 45 days Mon 18/6/18 Wed 1/8/18 547 Heat Pump Unit Performance Test Sat 7/7/18 30 days Sun 5/8/18 548 Heat Transfer Compact Unit Performance Test 30 days Fri 22/6/18 Sat 21/7/18 549 Solar Hot Water System Performance Test 30 days Sat 7/7/18 Sun 5/8/18 550 Fan Coil Units Function Test 30 days Tue 12/6/18 Wed 11/7/18 Water Balancing 30 days Tue 5/6/18 Wed 4/7/18 552 553 AHU & PAU Function Test 30 days Sun 24/6/18 Mon 23/7/18 Ventilating Fans Function Test 30 days Sun 24/6/18 Mon 23/7/18 554 Vehicle Extraction System Function Test 30 days Mon 25/6/18 Tue 24/7/18 555 Welding Extraction System Function Test 30 days Mon 2/7/18 Tue 31/7/18 30 days VRV Unit Function Test Tue 10/7/18 Wed 8/8/18 557 Bio-oxygen Generator Function Test 30 days Sun 1/7/18 Mon 30/7/18 558 Ultra Violet Sterilizing Light Function Test 30 days Wed 4/7/18 559 Ductwork Leakage Test 73 days Mon 28/5/18 Wed 8/8/18 560 Air Balancing and Flow Measurement 30 days Tue 24/7/18 Wed 22/8/18 24/7 6/8 28/7 10/8 Air Duct Cleaning 14 days Tue 24/7/18 Mon 6/8/18 562 14 days Fri 10/8/18 IAQ Measuremen Sat 28/7/18 563 Motor Control Cubicles (MCC) Factory Test 7 days Wed 27/12/17 27/12 2/1 564 Motor Control Cubicles (MCC) Site Test 7 days Thu 29/3/18 Wed 4/4/18 CCMS Functional Test 30 days Sun 24/6/18 Mon 23/7/18 566 VAC Functional Test 30 days Sun 27/5/18 Mon 25/6/18 567 24/7 Tue 24/7/18 N.C. Measuring Test 30 days Wed 22/8/18 24/7 22/ 10/7 8/8 568 Room temperature Measuring Test 30 days Tue 24/7/18 Wed 22/8/18 569 Function Test for Condensate Drain Pipe 30 days Tue 10/7/18 Wed 8/8/18 PCO performanance test 30 days Mon 2/7/18 Tue 31/7/18 571 Fire services installations (see also detail 726 days Fri 5/8/16 Tue 31/7/18 programme for FS trade) 572 Drawing Submisssion and Approval (details refer 180 days Sun 1/1/17 Thu 29/6/17 to submission schedule) 573 Equipment & Material Submisssion and Approval 180 days Thu 23/3/17 Sun 25/9/16 (details refer to submission schedule) Approval of GBP(Initial) by FSD & WSD 21 days Fri 5/8/16 Thu 25/8/16 575 Submission/Application of form WWO 046(Part I 76 days Mon 26/6/17 Sun 10/9/17 & II) for F.S. Installation 576 3/3 3/3 Submission of form WWO 046(Part IV) for F.S. 1 day Sat 3/3/18 Sat 3/3/18 Installation 577 Mon 17/10/16 Thu 15/12/16 Submission of Drawing for D.G. Liscence to FSD 60 days for Approval 578 Thu 12/7/18 12/7 12/ Final Submission of Form314(Layout) & Thu 12/7/18 1 day Form501(FS related) to FSD 579 Concealed Conduit & Builder Work for ES 199 days Tue 27/3/18 Sun 10/9/17 10/9 G/F to R/F F.S. Installation - First fixing Sat 7/4/18 Sun 10/9/17 210 days Application of Direct Telephone Link Sun 10/9/17 Sun 10/9/17 1 day 582 15/3 15/3 Handover of G/F F.S. Transfer Pump Rm. for F.S. 1 day Thu 15/3/18 Thu 15/3/18 Installation 583 16/3 F.S. Installation in F.S. Transfer Pump Rm. Fri 16/3/18 70 days Thu 24/5/18 584 12/3 12/3 Handover of G/F F.S. Control Rm. for F.S. Mon 12/3/18 Mon 12/3/18 1 day F.S. control panel Installation in F.S. control Rm. 60 days Tue 13/3/18 Fri 11/5/18 21/5 42 days Mon 21/5/18 Sun 1/7/18 G/F FS Installation 587 4/6 UG/F FS Installation 50 days Mon 16/4/18 Mon 4/6/18 588 1/F FS Installation 50 days Mon 30/4/18 Mon 18/6/18 2/F FS Installation 50 days Thu 3/5/18 Thu 21/6/18 3/F FS Installation 50 days Sat 5/5/18 Sat 23/6/18

China Road and Bridge Corporation **Master Construction Programme (Rev.13)** Date: 28/3/2018 Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Ming Road (SSD505) 591 4/F FS Installation 50 days Mon 7/5/18 Mon 25/6/18 592 R/F FS Installation Mon 14/5/18 Mon 2/7/18 50 days 593 Handover of SPR. & F.S. Pump Rm. for F.S. 0 days Thu 31/5/18 Thu 31/5/18 F.S. Installation in SPR. & F.S. Pump Rm. 30 days Thu 31/5/18 Fri 29/6/18 595 596 Tue 17/7/18 F.S. Final fixing Sun 24/6/18 24 days Water Authority inspections for FS Installation 7 days Wed 18/7/18 Tue 24/7/18 597 Obtain Water Certificate Wed 25/7/18 Tue 31/7/18 7 days 7 days 14 days FS inspection for DG Stores (1st) Fri 15/6/18 Thu 21/6/18 FS inspection for DG Stores (2nd Fri 22/6/18 Thu 5/7/18 600 7 days Fri 6/7/18 Thu 12/7/18 Obtained DG. Licence 601 602 75 days Fri 18/5/18 Tue 31/7/18 Testing & Commissioning (FS) Hydraulic Test for Pipework 21 days Mon 18/6/18 Sun 8/7/18 603 21 days 21 days G/F & UG/F Mon 18/6/18 Sun 8/7/18 Mon 18/6/18 Sun 8/7/18 605 Sun 8/7/18 Mon 18/6/18 21 days 606 607 21 days Mon 18/6/18 Sun 8/7/18 21 days Mon 18/6/18 Sun 8/7/18 608 21 days Mon 18/6/18 Sun 8/7/18 609 Fri 18/5/18 Equipment Performance Test 30 days Sat 16/6/18 610 611 612 Tue 31/7/18 G/F & UG/F 30 days Mon 2/7/18 30 days Mon 25/6/18 Tue 24/7/18 30 days Mon 25/6/18 Tue 24/7/18 613 30 days Mon 25/6/18 Tue 24/7/18 614 30 days Mon 2/7/18 Tue 31/7/18 615 Mon 2/7/18 Tue 31/7/18 30 days 616 Interfacing test with AC/EE/Lift/Fire Shutter etc. Wed 18/7/18 Thu 19/7/18 2 days 617 Mechanical handling and lifting installation 533 days Mon 27/2/17 Mon 13/8/18 618 Drawing Submisssion and Approval (details refer 45 days Mon 27/2/17 Wed 12/4/17 to submission schedule) 619 Equipment & Material Submisssion and Approval 60 days Mon 6/3/17 Thu 4/5/17 (details refer to submission schedule) 620 Gondola system 138 days Sun 25/3/18 Thu 9/8/18 25/3 Cast-in bolt 27 days Sun 25/3/18 Thu 31/5/18 Fri 20/4/18 21 days 622 Guide rail installation Wed 20/6/18 623 Gondola system installation 42 days Thu 21/6/18 Wed 1/8/18 624 2/8 🌉 9/ T&C for gondola 8 days Thu 2/8/18 Thu 9/8/18 625 Scissor platform 57 days Mon 18/6/18 Mon 13/8/18 50 days Mon 18/6/18 Mon 6/8/18 627 T&C for scissor platform 7 days Tue 7/8/18 Mon 13/8/18 628 Lift (by Nominated Subcontractor) 839 days Wed 13/4/16 Mon 30/7/18 Nomination of lift subcontractor Wed 13/4/16 Wed 13/4/16 630 Drawing Submisssion and Approval (details refer 46 days Sun 2/10/16 Wed 16/11/16 to submission schedule) 631 181 days Sat 1/4/17 Thu 28/9/17 Manufacturing & Shipment 632 Equipment & Material Submisssion and Approval 60 days Sun 29/1/17 Wed 29/3/17 (details refer to submission schedule) 633 Handover of lift shafts and machine rooms to NSC 31 days Sat 31/3/18 Mon 30/4/18 1/5 634 Installation, T&C (Details subject to NSC's 70 days Tue 1/5/18 Mon 9/7/18 programme) Submission of Form 5 0 days Mon 2/7/18 Mon 2/7/18 EMSD Inspection 0 days Sun 8/7/18 Sun 8/7/18 637 56 days Mon 30/7/18 Tue 5/6/18 Obtain lift certificate 638 Lift certificate Obtained (L3, Fireman's Lift) 14 days Mon 30/7/18 639 Lift certificate Obtained (L4, Fireman's Lift) 14 days Tue 17/7/18 Mon 30/7/18 Lift certificate Obtained (L6, Fireman's Lift) 14 days Tue 10/7/18 Mon 23/7/18 Lift certificate Obtained (L5. Fireman's Lift) 14 days Tue 10/7/18 Mon 23/7/18 Lift certificate Obtained (L1, L2) 14 days Tue 10/7/18 Mon 23/7/18 643 Beam Plus - FA Submission 120 days Mon 7/8/17 Mon 4/12/17 Beam Plus - IEQ 6, 7 and WUP1 Sun 3/12/17 FSD inspection and Issuance of Certificate (After 21 days Thu 2/8/18 Wed 22/8/18 SCCU Inspection) Thu 2/8/18 Wed 8/8/18 FSD inspection (1st 647 FSD inspection (2nd) 7 days Thu 9/8/18 Wed 15/8/18 Obtained FS certificate 7 days Thu 16/8/18 Wed 22/8/18 Coordination & grant access to EMSD's contractor 30 days Wed 1/8/18 Thu 30/8/18 for installation of equipment 650 SCCU Pre-inspection 40 days Mon 9/7/18 Fri 17/8/18 23/8 👗 651 SCCU Inspection 8 days Thu 23/8/18 Thu 30/8/18 General inspection with FEHD/ArchSD/S.O. 28 days Fri 27/7/18 Thu 23/8/18 653 General cleaning Fri 31/8/18 Fri 31/8/18 1 day 654 Practical completion 0 days Fri 31/8/18 Fri 31/8/18 655 Handover of works

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Appendix B Organization Chart

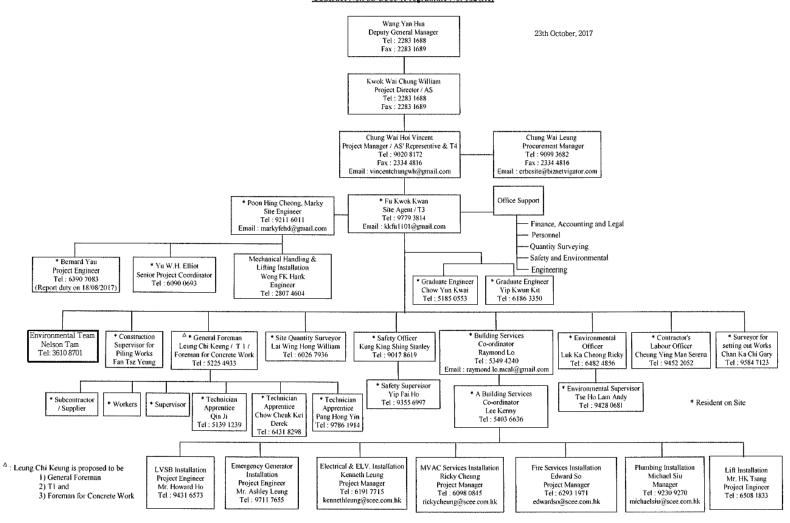








Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area Contract No.: SS D505 (Programme No. 182GK)







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Appendix C Implementation Schedule of Environmental Mitigation Measures (EMIS)

Air Quality – Schedule of Recommended Mitigation Measures

		Location Implemented Partially Implemented Not Imp		tion Status	tus	
	Environmental Protection Measures	Location	Implemented	Partially Implemented	Not Implemented	Not Applicable
Air (Quality (Construction)					
•	Use of regular watering, to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather;	All areas	✓			
•	Use of frequent watering for particularly dusty construction areas close to ASRs	All areas	✓			
•	Side enclosure and covering of any practicable owing to frequent usage, watering should be applied to aggregate fines;	All areas	✓			
•	Open temporary stockpiles should be avoided or covered. Prevent placing dusty material storage piles near ASRs;	All areas	✓			
•	Tarpaulin covering of all dust vehicle loads transported to, from and between site locations;	All areas				✓
•	Establishment and use of vehicle wheel and body washing facilities at the exit points of the site;	All areas	✓			
•	Imposition of speed controls for vehicle son unpaved site roads. 8 km/hr is the recommended limit;	All areas	✓			
•	Routing of vehicles and positioning of construction plant should be at the maximum possible distance from ASRs;	All areas	✓			
•	Every stock of more than 20 bags of cement or dry pulverized fuel ash (PFA), if applicable, should be covered entirely buy impervious sheeting or placed in an area sheltered on the top and the 3-sides; and	All areas	✓			
•	Loading, unloading, transfer, handling or storage of large amount of cement or dry PFA should be carried out in a totally enclosed system or facility, and nay vent or exhaust should be fitted with the an effective fabric filter or equivalent air pollution control system.	All areas				✓
•	3-sides enclosed washing bays and maintenance workshops, served with mechanical ventilations to maintain all the time with proper negative air pressure.	Washing bays & maintenance workshops				√
•	Deodorization system such as active carbon filters or chemical scrubber (or equivalent) will be applied at the ventilation duct prior to discharging to the atmosphere, having odor removal efficiency of 85% or above at normal operation, and under regular and proper maintenance and replacement.	Washing bays & maintenance workshops				√
•	Commissioning test requirement should be incorporated in the specification during commissioning period order to ensure the odor removal efficiency (at least 85%) of the proposed odor removal unit.	Washing bays & maintenance workshops				√
•	Monitoring test on odor removal efficiency of the odor removal unit should be carried out quarterly in the first year of operation. Development of monitoring and investigation plan, as well as work procedure, prior to operation of the unit is recommended.	Washing				√



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Noise – Schedule of Recommended Mitigation Measures

		Implementation Status Implemented Partially Implemented Not Implemented			
Environmental Protection Measures	Location	Implemented	Partially Implemented	Not Implemented	Not Applicable
 Carefully arrange the timing and sequencing of the various construction activities according to the actual site work situation; 	All areas	✓			
 Limit the quantity of PME to be operated concurrently and their proportion of usage were recommended in the Project and incorporated in the Noise Impact Assessment; 	All areas	✓			
• The proposed quantity of PMEs and their proportion of usage should be confirmed feasible by the Engineer;	All areas	✓			
 In the case during school examination, more stringent construction noise criteria should be imposed, the potentially most disruptive construction activities should be avoided, and arranged to be conducted during school holidays as far as practicable. 		√			
 The use of Sound Power Levels (SWLs) for typical PME provided in the GWTM and that for equivalent "quiet" plants: Loader, wheeled (Back-hoe)Excavator, Tracked Generator Mobile Crane 	All areas	✓			
 The use of temporary noise barriers if applicable: Movable barriers with skid footing and a small cantilevered upper portion Noise jacket/muffler Applicable PME with temporary noise barriers: excavator and mobile crane Selection of insulation material: acoustic mats 	All areas	√			
 The use of temporary noise barriers if applicable Movable barriers with skid footing and a small cantilevered upper portion Noise jacket/muffler Applicable PME with temporary noise barriers: excavator and mobile crane Selection of insulation material: acoustic mats 	All areas	✓			
 Only well-maintained plant should be operated on-site and plants should be operated on-site and plants should be serviced regularly during the construction period; 	All areas	✓			
Mobile plant, if any, should be sited as gar from NSRs as possible;	All areas	✓			
 Plant known to emit noise strongly in one direction should, wherever possible, be properly oriented so that the noise is directed away from the nearby NSRs; 	All areas	✓			
Use of site hoarding as a noise barrier to screen noise at low level NSRs;	All areas	✓			
 Machines and plant that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum; 	All areas	✓			
 Any material stockpiles and other structures should be effectively utilised, wherever practicable, to screen the noise from on-site construction activities 	All areas	√			
• The Workshop Vehicle Repair Activities should be carried out under the covered area of the Transport Workshop Section on the G/F as the building of FEHD Depot itself provides screening effect to the NSRs	Transport Workshop Section				✓
The workshop vehicle repair activities should not be carried out during night-time period	Transport Workshop Section		_		✓
 Acoustic treatment, such as acoustic louvres, silencers, enclosures could be applied to achieve noise attenuation on the use of MVAC and other Building Service Equipment so that the SWL of the equipment shall not exceed the specified "maximum allowable SWL" in various plant rooms. 	Transport				✓



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Water Quality – Schedule of Recommended Mitigation Measures

	Location Implementation Status		tion Status		
Environmental Protection Measures	Location	Implemented	Partially Implemented	Not Implemented	Not Applicable
Water Quality and Sewerage					
At the establishment of works site, perimeter cut-off drains to direct offsite water around the Site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels) both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided to divert the stormwater to silt removal facilities. The design of the temporary on-site drainage system will be undertaken by the Contractor prior to the commencement of construction;	All areas	√			
 Dikes or embankments for flood protection should be implemented around the boundaries of earthworks areas. Temporary ditches should be provided to facilitate the run-off discharge into an appropriate watercourse, through a silt / sediment trap. Silt / sediment traps should also be incorporated in the permanent drainage channels to enhance deposition rates; 	All areas	✓			
The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention time for silt / sand traps should be 5 minutes under maximum flow conditions. The sizes may vary depending upon the flow rate, but for a flow rate of 0.1m³/s, a sedimentation basin of 30m³ would be required and for a flow rate of 0.5m³/s the basin would be 150m³. The detailed design of the sand / silt traps should be undertaken by the Contractor prior to the commencement of construction;	All areas				✓
• The construction works should be programmed to minimize surface excavation works during rainy seasons (April to September), as soon as possible after the earthworks have been completed, or alternatively, within 14 days of the cessation of earthworks where practicable. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means;	All areas	✓			
The overall slope of works sites should be kept to a minimum to reduce the erosive potential of surface water flows, and all trafficked areas and access roads should be protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during the prolonged periods of inclement weather and the reduction of surface sheet flows;	All areas	✓			
• All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure their proper and efficient operation at all times particularly following rainstorms. Deposited silts and grits should be removed regularly and disposed of by spreading evenly over stable, vegetated areas;	All areas	✓			
 Measures should be taken to minimize the ingress of site drainage into excavations. If the excavation of trenches in wet season is inevitable, they should be dug and backfilled in short sections wherever practicable. The water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities; 	All areas	✓			
• All open stockpiles of construction materials (for example, aggregates, sand and fill material should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silts or debris into any drainage system;	All areas	✓			
 Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm run-off being directed into foul sewers; 	All areas	✓			
• Precautions to be taken at any time of the year when rainstorms are likely actions to be taken when a rainstorm is imminent or forecasted and during or after rainstorms, are summarized in Appendix A2 of ProPECC PN 1/94. Particular attention should be paid to the control of silty surface run-off during storm events;	All areas	✓			
• All vehicles and plant should be cleaned before leaving the Site to ensure no earth, mud, debris and the like is	All areas	✓			

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	deposited by them on roads.				
•	Oil interceptors should be provided in the drainage system downstream of any oil / fuel pollution sources. Oil interceptors should be emptied and cleaned regularly to percent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for oil interceptors to prevent flushing during heavy rain;	All areas	√		
•	Oil interceptors should be provided in the drainage system downstream of any oil / fuel pollution sources. Oil interceptors should be emptied and cleaned regularly to percent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for oil interceptors to prevent flushing during heavy rain;	All areas	✓		
•	All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank to percent spilled fuel oils from reaching the nearby WSRs.	All areas	✓		
•	Application to the EPD for a discharge licence for discharge of effluent from the construction site under the WPCO. The discharge quality must meet the requirements specified in the discharge license.	All areas	✓		
•	All the run-off and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the Technical Memorandum.	All areas	✓		
•	Minimum distance of 100m should be maintained between the discharge points of construction site effluent and the existing seawater intakes.	All areas	✓		
•	No new effluent discharges in nearby typhoon shelters should be allowed.	All areas	✓		
•	The beneficial uses of the treated effluent for other on-site activities such as dust suppression, wheel washing and general cleaning etc., would minimise water consumption and reduce the effluent discharge volume.	All aleas	✓		
•	Portable chemical toilets and sewage holding tanks are recommended for the handling of the construction sewage generated by the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.		✓		
•	Any maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided. Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.		√		
•	All sewage arising from the Project should be collected and diverted to the public sewerage system via proper connections to minimise water quality impact from the operation of the Project and ensure compliance with Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Water under the WPCO.	Office-cum-			✓
•	To prevent the potential contaminated wastewater from entering the existing public sewerage systems, run-offs from the covered areas including the vehicle washing bays and vehicle parking space will be properly treated prior to the discharge into the sewerage system. The treated effluent for discharging into the public sewerage system should comply with the effluent standards as stated in the Technical Memorandum on Standards for Effluents Discharged into Drainage and Sewerage Systems, Inland and Coastal Waters under the WPCO.	Vehicle Depot			✓
•	There is a need to apply to the EPD for a discharge licence for discharge of the operational effluent from the Project under the WPCO. The discharge quality must meet the requirements specified in the discharge licence.	The Office-cum- Vehicle Depot			✓



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Waste – Schedule of Recommended Mitigation Measures

		Ŧ		Implementa	tion Status	
İ	Environmental Protection Measures	Location	Implemented	Partially Implemented	Not Implemented	Not Applicable
Wast	e Management and Land Contamination					
•	The requirements as stipulated in the ETWB TC(W) No. 19/2005 "Environmental Management on Construction Sites" and the other relevant guidelines should be included in the Particular Specification for the Contractor as appropriate. Contractor should be required to implement the recommended waste management measures through establishing a Waste Management Plan (WMP) in accordance with the ETWB TC(W) No.19/2005 so as to provide an overall framework of waste management and reduction. The WMP should be submitted to the Project/Site Engineer prior to the construction commencement of the Project for approval and include the followings: Waste management policy; Record of generated waste; Waste reduction target; Waste reduction programme; Role and responsibility of waste management team; Benefit of waste management; Analysis of waste materials; Reuse, recycling and disposal plans; Transportation process of waste products; and Monitoring and action plan. The waste management hierarchy below should be strictly followed. This hierarchy should be adopted to evaluate the waste management options in order to maximise the extent of waste reduction and cost reduction. The records of quantities of waste generated, recycled and disposed (location) should be properly documented	All areas	√			
•	Standard formwork or pre-fabrication should be used as far as practicable so as to minimise the C&D Materials arising. The use of more durable formwork or plastic facing for construction works should also be considered. The use of wooden hoardings should be avoided and metal hoarding should be used to facilitate recycling. Purchasing of construction materials should be carefully planned in order to avoid over-ordering and wastage. The Contractor should recycle as many C&D materials as possible on-site. The public fill and C&D waste should be segregated and stored in separate containers or skips to facilitate the reuse or recycling of materials and proper disposal. Where practicable, the concrete and masonry should be crushed and used as fill materials. Steel reinforcement bar should be collected for use by scrap steel mills. Different areas of the sites should be considered for segregation and storage activities.	All areas	*			
•	A recording system for the amount of waste generated, recycled and disposed (locations) should be established. The future Contractor should also provide proper training to workers regarding the appropriate concepts of site cleanliness and waste management procedures, e.g. waste reduction, reuse and recycling all the time.	All areas	✓			
•	All waste containers shall be in a secure area on hardstanding.	All areas	✓			
•	Training of site personnel in, site cleanliness, proper waste management and chemical handling procedures.	All areas	✓			
•	Provision of sufficient waste disposal points and regular collection of waste.	All areas	✓			
•	Appropriate of sufficient waste disposal points and regular collection of waste by either covering trucks or by transporting wastes in enclosed containers.	All areas	✓			
•	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.	All areas	✓			
•	Separation of chemical wastes for special handling and appropriate treatment.	All areas	✓			
•	The site and surroundings shall be kept tidy and litter free.	All areas	✓			





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•	No waste shall be burnt on-site	All areas	✓		
•	Make provisions in contract documents to allow and promote the use of recycled aggregates where appropriate.	All areas	✓		
•	Wheel washing facilities shall be used by all trucks leaving the site to prevent transfer of mud onto public roads.	All areas	✓		
•	Sorting of demolition debris and excavated materials from demolition works to recover reusable/recyclable portions (i.e. soil, broken concrete, metal etc.).	All areas	✓		
•	Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse	All areas	√		
	or recycling of materials and their proper disposal.		•		
•	Encourage collection of aluminum cans by providing separate labeled buns to enable this waste to be segregated from other general refuse generated by the workforce.	All areas	✓		
•	Proper storage and site practices to minimize the potential for damage or contamination of construction materials.	All areas	✓		
•	Plan and stock construction materials carefully to minimize amount of waste generated and avoid unnecessary generation of waste.	All areas	✓		
•	Waste haulier must hold a valid permit for the collection of waste as stipulated in their permits, Removal of waste should be done in a timely manner.	All areas	✓		
•	Register as a Chemical Waste Producers to the EPD	All areas	✓		
•	Suitable for the substance to be held, resistant to corrosion, maintained in good conditions and securely closed;	All areas	√		
•	Having a capacity of <450L unless the specifications have been approved by the EPD;	All areas	· ✓		
•	Displaying a label in English and Chinese according to the instructions prescribed in Schedule 2 of the Regulations;	All areas	✓		
•	Clearly labelled and used solely for the storage of chemical wastes;	All areas	✓		
•	Enclosed with at least 3 sides;	All areas	✓		
•	Impermeable floor and bund with capacity to accommodate 110% of the volume of the largest container of 20% by volume of the chemical waste stored in the area, whichever is greatest;	All areas	✓		
•	Adequate ventilation;	All areas	✓		
•	Sufficiently covered to prevent rainfall entering (water collected within the bund must be tested and disposed of as chemical waste, if necessary);	All areas	✓		
•	Incompatible materials are adequately separated.	All areas	✓		
•	Adequate numbers of portable toilet should be provide for on-site workers. Portable toilets should be maintained in reasonable states, which will not deter the workers from utilizing them. Night soil should be regularly collected by licensed collectors.	All areas	✓		
•	The requirements stipulated in the Code of Practice on the Packaging. Labelling and Storage of Chemical Wastes should be followed in handling of chemical waste as in construction phase.	The Office-cum- Vehicle Depot			✓
•	A trip-ticket system should be operated in accordance with the Waste Disposal (Chemical Waste) (General) Regulation to monitor all movements of chemical wastes which would be collected by a licensed collector to a licensed facility for final treatment and disposal.	Tho			√
•	The recommendations proposed for the mitigation of impacts from chemical waste in construction phase should also be followed.	The Office-cum- Vehicle Depot			✓



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	The	-/
Provide recycling bins at designated areas for proper recycling of papers, aluminum cans and plastics bottles	Office-cum-	· · ·
Trovide recycling ones at designated areas for proper recycling or papers, areanimum cans and plastics bottles	Vehicle	
	Depot	
	The	
Separation from other waste types and collected by licensed collectors at daily basis to minimize the potential		,
impacts from odour and vermin.	Vehicle	
	Depot	
	The	√
Storage of Chemicals and Chemical Wastes	Office-cum-	, i
Diology of Chemical Halles	Vehicle	
	Depot	
	The	√
Emergency Procedures	Office-cum-	· ·
Emergency Procedures	Vehicle	
	Depot	
	The	√
Spillage/leakage of Liquid Chemical/Waste at Storage Area	Office-cum-	,
opinings/realings of Enquire Chemical Waste at Storage Free	Vehicle	
	Depot	
	The	
Spillage/Leakage at Repairing and Maintenance Areas	Office-cum-	,
-t6	Vehicle	
	Depot	
	The	✓
Record of Incidents	Office-cum-	, , , , , , , , , , , , , , , , , , ,
	Vehicle	
	Depot	
	The	✓
Procedures for Disposal of Wastes	Office-cum-	,
	Vehicle	

Depot



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		Location Implementation Status		tion Status	us	
	Environmental Protection Measures	Location	Implemented	Partially Implemented	Not Implemented	Not Applicable
Land	scape and Visual					
•	Cautiously arrangement of the operation or placement of the construction plant and machinery, and the transportation or storage of material to reduce and confined the potential adverse impacts in certain areas in the Site	All areas	✓			
•	Minimise the height of temporary structures such as hoardings and site offices, and restore the temporary construction site locally to the existing condition in order to minimise any negative impacts and associated uncomfortable views.	All areas	✓			
•	Check the site boundaries regularly to ensure the working area does not exceed and causes further damage to the surrounding area.	All areas	✓			
•	In case of nighttime construction is conducted, control of nighttime lighting on the works areas to prevent undesired light pollution to the surrounding area, such as viewers from roads, should be implemented.	All areas				✓
•	Provision of temporary landscape treatment during construction phase, such as temporary planting around the site office, applying aesthetic treatments on site hoardings and/or façade of site office	All areas	✓			
•	Provision of green roof of site office	All areas	✓			
•	Erection of fencing around the trees	All areas	✓			
•	Avoidance of placing any construction materials close to the trees	All areas	✓			
•	Apply mulching beyond root collar	All areas	✓			
•	Conduct visual checking/monitoring in regular basis	All areas	✓			
•	Proper arrangement of materials for operational activities, including vehicle repair, maintenance, operation and parking, carried out within the office-cumvehicle depot building.	All areas				✓



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Retain Tree Survey



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Appendix D Calibration Certificates









深 圳 中 航 技 术 检 测 所 SHENZHEN METROLOGY & MEASUREMENT INSTITUTE OF AVIC 中 国 航 空 工 业 深 圳 特 区 计 量 测 试 站 SHENZHEN METROLOGY & MEASUREMENT STATION OF CHINA AVIATION INDUSTRY 国际科技工业第一计量测试研究中心深圳计量检测站 SHENZHEN METROLOGY & MEASUREMENT STATION OF CIMM

校准证书

CALIBRATION CERTIFICATE

证书编号 Certificate Number

L17AA017030003

委 托 单 位 Client	上峰检测认证有限公司	
地 址 Address	香港荃湾海盛路3号TML广场10楼D6A室	
器 具 名 称 Description	声级计/Sound Level Meters	
器 具 用 途 Usage	/	
规格型号 Model/Type	AWA5661	
制造单位 Manufacturer	杭州爱华仪器有限公司	
器 具 编 号 Serial No.	304042	
结 论 Conclusion	见校准结果/Calibration	
	批准人 Brakn	邵浊沉
	(证书专用章) T 大 核 验 员 Checked by	邵浊沉
	校准员 徐 小芳 Calibrated by	徐小芳
委托日期 Received Date 校准日期	2017 校准专用 音 月 21 日 回 10 P P P P P P P P P P P P P P P P P P	
Calibration	Year Month Day	

计量校准机构备案号 (Register No.): [2013] 導量校S007号

地址:广东省深圳市福田区车公庙泰然四路劲松大厦9A、1B、105A

Add: 9A-1B-105A, Jingsong Building, Tairan 4th Road, Chegongmiao, Futian District, Shenzhen, Guangdong, China 电话 (Tel): 0755-83890620 83890591 传真 (Fax): 0755-83890704 鄭政编码 (Post Code): 518040

网址 (Web) : http://www.szcatci.com 电子邮箱 (E-mail) : market@szcatci.com

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深圳中航技术检测所中国航空工业深圳特区计量测试站 国防科技工业第一计量测试研究中心深圳计量检测站

证书编号: L17AA017030003

校准说明

Directions of Calibration

 本所(站)是国家法定计量检定机构,其管理体系按照JJF 1069-2012法定计量机构考核规范、ISO/IEC17025:2005和 CNAS相关要求运行。

The institute/station is the Service of Legal Metrological Verification. It has implemented management system in accordance with JJF 1069-2012 Rules for the Examination of the Service of Legal Metrological Verification, ISO/IEC 17025:2005 and CNAS related requirements.

2.本次校准结果仅对被测件有效,所出具的数据均可溯源到国家或国际计量基准。

The results relate only to the items specified. All data issued by the certificate are traceable to the national or international primary standards of measurement.

3.未经本所(站)许可,不得部分复印此证书内容。

The certificate shall not be partly copied without the written approval of the institute/station.

4.参照技术依据 (Reference documents for the calibration) :

参照JJG 188-2002《声级计检定规程》《V.R.of Sound Level Meters》

5.校准地点及环境条件 (Place and environmental conditions of the calibration) :

地点 (Place) 温度 (Temperature) 相对湿度 (Relative Humidity)

22.0 °C 60 % 本所振动声学室

6.本次校准所使用的主要计量标准装置信息(Major standard devices used in the calibration):

计量标准名称 Description	测量范围 Range	不确定度或最大允差 或准确度等级 Uncertainty of Measurement or Maximum Permissible Errors	证书编号 Certificate No.	有效期 Due Date

7.本次校准所使用的主要计量标准器具信息(Major standards of measurement used in the calibration):

器具名称 Description	编号/型号 Serial No./Model	不确定度或最大允差 或准确度等级 Uncertainty of Measurement or Maximum Permissible Errors	证书编号 Certificate No.	有效期 Due Date
可变阻抗衰减器	2300060/984A	U=0.22dB (k=2)	WX17000302209	2018.03.30
函数信号发生器	US34020710/33120A	频幅特性: 0.20dB, 频率: U_{rel} =1E-7(k =2)	WWS201700237	2018.04.04
测量放大器	089867/AWA5810D	± 0.2 dB ; ± 0.5 dB	SSD201700243	2018.01.09
标准传声器	2172118/4190	U=0.3 dB (k=2)	SSD201606162	2017.10.13
声校准器	2292007/4231	1级	SSD201606161	2017.10.13
猝发音信号发生 器	123249/AWA5551	MPE: 頻率: ±0.1%, 失真: ≤1%, 衰減: <i>U</i> =0.2dB(<i>k</i> =2)	D17AA00136000 8	2018.05.08

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深圳中航技术检测所中国航空工业深圳特区计量测试站。

证书编号: L17AA017030003

校准结果

Result of Calibration

1、外观及功能正常性检查/Appearance and function check: 正常/Pass。

2、声级计指示声级/Level Calibration:

校准前示值/Indication before Calibrated: 94.0dB 校准后示值/Indication After Adjusted: 94.0dB

3、频率计权/Frequency weightings:

标称频率	允许下限	A计权	允许上限
Nominal frequency	Lower Limit	A-weighting	Upper Limit
(Hz)	(dB)	(dB)	(dB)
31.5	-42.9	-39.2	-35.9
63	-28.7	-25.3	-23.7
125	-18.1	-16.6	-14.1
250	-10.5	-8.9	-6.7
500	-5.1	-3.7	-1.3
1000 (ref.)	-1.4	0.0	+1.4
2000	-1.4	+1.5	+3.8
4000	-2.5	+2.1	+4.6
标称频率	允许下限	C计权	允许上限
标称频率 Nominal frequency	允许下限 Lower Limit	C计权 C-weighting	允许上限 Upper Limit
Nominal frequency	Lower Limit	C-weighting	Upper Limit
Nominal frequency (Hz)	Lower Limit (dB)	C-weighting (dB)	Upper Limit (dB)
Nominal frequency (Hz) 31.5	Lower Limit (dB) -6.5	C-weighting (dB) -0.5	Upper Limit (dB) +0.5
Nominal frequency (Hz) 31.5 63	Lower Limit (dB) -6.5 -3.3	C-weighting (dB) -0.5 -0.3	Upper Limit (dB) +0.5 +1.7
Nominal frequency (Hz) 31.5 63 125	Lower Limit (dB) -6.5 -3.3 -2.2	C-weighting (dB) -0.5 -0.3 -0.2	Upper Limit (dB) +0.5 +1.7 +1.8
Nominal frequency (Hz) 31.5 63 125 250	Lower Limit (dB) -6.5 -3.3 -2.2 -1.9	C-weighting (dB) -0.5 -0.3 -0.2	Upper Limit (dB) +0.5 +1.7 +1.8 +1.9
Nominal frequency (Hz) 31.5 63 125 250 500	Lower Limit (dB) -6.5 -3.3 -2.2 -1.9	C-weighting (dB) -0.5 -0.3 -0.2 -0.1	Upper Limit (dB) +0.5 +1.7 +1.8 +1.9
Nominal frequency (Hz) 31.5 63 125 250 500 1000 (ref.)	Lower Limit (dB) -6.5 -3.3 -2.2 -1.9 -1.9	C-weighting (dB) -0.5 -0.3 -0.2 -0.1 -0.1	Upper Limit (dB) +0.5 +1.7 +1.8 +1.9 +1.9

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证书编号: L17AA017030003



深圳中航技术检测所中国航空工业深圳特区计量测试站。

- 4、级线性(参考频率 1kHz)/Level linearity error(Reference frequency 1kHz) :
- 4.1、级程变化误差 (参考频率: 1000Hz): A计权/A-weighting

Level Change Error (Reference frequency:1000Hz)

标称值	允许下限	误差	允许上限
Nominal Value	Lower Limit	Error	Upper Limit
(dB)	(dB)	(dB)	(dB)
30	-1.0	+0.3	+1.0
40	-1.0	+0.4	+1.0
50	-1.0	+0.3	+1.0
60	-1.0	+0.5	+1.0
70	-1.0	+0.2	+1.0
80	-1.0	+0.3	+1.0
90 (ref.)		0.0	
100	-1.0	+0.4	+1.0
110	-1.0	+0.3	+1.0
120	-1.0	+0.1	+1.0

5、本机噪声/Residual noise: A计权/A-weighting: <u>29.2</u> dB;

Δ6、单个猝发音响应 (A计权) /Tone burst response (A-weighting)

单个猝发音持续时间	猝发音响应(dB)/Tone burst response(dB)						
(ms) /Single tone burst Last time (ms)	L _{AFmax} -L _A	允许范围 /Conclusion	L _{ASmax} -L _A	允许范围 /Conclusion			
500	-0.4	+0.7~-0.9	-4.0	-3.3 ~ -4.9			
200	-0.8	-0.2 ~ -1.8	-7.0	-6.6 ~ -8.2			
50	-4.1	-3.5 ~ -6.1	-12.5	-11.8 ~ -14.4			
10	-10.3	-9.8 ~ -12.4	-20.3	-18.7 ~ -22.3			

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证书编号: L17AA017030003



深圳中航技术检测所中国航空工业深圳特区计量测试站

Δ7、重复猝发音响应 (A计权) /Response to repeated Toneburst (A-weighting)

单个猝发音持续时间 (ms) /Single tone burst Last time (ms)	相邻单个猝发音持续时间(ms)	猝发音响应(dB)/Tone burst response(dB)			
	/Adjacent single tone burst last time (ms)	L _{AEqT} -L _A	允许范围 /Conclusion		
500		2000	-7.0	-6.2 ~ -7.8	
200		800	-7.0	-6.2 ~ -7.8	
50		200	-6.9	-5.7 ~ -8.3	
10		40	-6.8	-5.7 ~ -8.3	

附注: ◇ 关于测量结果不确定度的说明/Directions of uncertainty in the calibration:

1.依据文件/According to: JJF1059.1-2012测量不确定度评定与表示

JJF1059.1-2012 Evaluation and Expression of Uncertainty in Measurement;

- 2.本次测量结果的扩展不确定度/Expanded uncertainty of measured results: U = 0.4dB ~ 1.0dB (k=2)
- ◊ 技术要求参照JJG 188-2002/MPE according to JJG 188-2002;
- △ · 参考IEC61672-1-2002标准/Reference standard:IEC61672-1-2002;
- 带 "Δ"项目表示未获得CNAS认可/"Δ" expressed unattained CNAS accept
- ◇ 建议下次送校日期/Due to date: 2018-07-20

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深 圳 中 航 技 术 检 测 所 SHENZHEN METROLOGY & MEASUREMENT INSTITUTE OF AVIC 中 国 航 空 工 业 深 圳 特 区 计 量 测 试 站 SHENZHEN METROLOGY & MEASUREMENT STATION OF CHINA AVIATION INDUSTRY 国防科技工业第一计量测试研究中心深圳计量检测站 SHENZHEN METROLOGY & MEASUREMENT STATION OF CIMM

校准证书

CALIBRATION CERTIFICATE

证书编号 Certificate Number

L17AA029920002

委托单位 Client	上峰检测认	证有限	公司					
地 Address	香港荃灣海	盛路3號	MT	L廣塲10相	數D6/	室	and the months	
器具名称 Description	声级计/Sou	ind Lev	el M	leters		MAN CONTRACTOR	13/01/37	Taylor (A)
器具用途 Usage	1	ghad At		y Park	4	100		Yell -
规格型号 Model/Type	AWA5661			nest:	1		Y - Walter	The second
制 造 单 位 Manufacturer	爱华		ne e				A THE STATE OF THE	11/2017/2018
器 具 编 号 Serial No.	301143	TO GO	n.			all of		W. T. 1991
结 论 Conclusion	见校准结果/	/Calibr	ation	1		Mary an		31 20 20 20
						准 人 proved by	召戏沉	邵浊沉
THE RESERVE	证书专用章)				2000	验 员 ecked by	召戏观	邵油沉
						准 员 brated by	RYS	罗成芳
委托日期 Received Date	2017	年 Year	10	月 Month	23	日 Day	OK X O	
校准日期 Calibration	2017	年 Year	10	月 Month	23	日 Day	の	

计量校准机构备案号 (Register No.) : [2013]粵量校S007号

地址:广东省深圳市福田区车公庙泰然四路劲松大厦9A、1B、105A

Add: 9A-1B-105A, Jingsong Building, Tairan 4th Road, Chegongmiao, Futian District, Shenzhen, Guangdong, China 电话 (Tel.): 0755-83890620 83890591 传真 (Fax.): 0755-83890704 邮政编码 (Post Code): 518040

阿址 (Web) : http://www.szcatci.com 电子邮箱 (E-mail) : market@szcatci.com

第1页共5页 Page 1 of 5

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深圳中航技术检测所中国航空工业深圳特区计量测试站

证书编号:

L17AA029920002

校准说明

Directions of Calibration

1.本所(站)是国家法定计量检定机构,其管理体系按照JJF 1069-2012法定计量机构考核规范、ISO/IEC17025:2005和 CNAS相关要求运行。

The institute/station is the Service of Legal Metrological Verification. It has implemented management system in accordance with JJF 1069-2012 Rules for the Examination of the Service of Legal Metrological Verification, ISO/IEC 17025:2005 and CNAS related requirements.

2.本次校准结果仅对被测件有效,所出具的数据均可溯源到国家或国际计量基准。

The results relate only to the items specified. All data issued by the certificate are traceable to the national or international primary standards of measurement.

3.未经本所(站)许可,不得部分复印此证书内容。

The certificate shall not be partly copied without the written approval of the institute/station.

4.参照技术依据 (Reference documents for the calibration):

參照JJG 188-2002《声级计检定规程》《V.R.of Sound Level Meters》

5.校准地点及环境条件 (Place and environmental conditions of the calibration) :

地点 (Place)

温度 (Temperature)

相对湿度 (Relative Humidity)

本所/Lab

22.0 °C

60 %

6.本次校准所使用的主要计量标准装置信息 (Major standard devices used in the calibration)

计量标准名称 Description	测量范围 Range	不确定度或最大允差 或准确度等级 Uncertainty of Measurement or Maximum Permissible Errors	证书编号 Certificate No.	有效期 Due Date
		The state of the s		

7.本次校准所使用的主要计量标准器具信息 (Major standards of measurement used in the calibration) :

器具名称 编号/型号 Description Serial No./Mode		不确定度或最大允差 或准确度等级 Uncertainty of Measurement or Maximum Permissible Errors	证书编号 Certificate No.	有效期 Due Date	
可变阻抗衰减器	2300060/984A	U=0.22dB (k=2)	WX17000302209	2018.03.30	
函数信号发生器	US34020710/33120A	频幅特性:0.20dB, 频率: <i>U_{rel}</i> =1E- 7(<i>k</i> =2)	WWS201700237	2018.04.04	
测量放大器	089867/AWA5810D	± 0.2 dB; ± 0.5 dB	SSD201700243	2018.01.09	
标准传声器	2172118/4190	U=0.3 dB (k=2)	SSD201606162	2017.11.13	
声校准器	2292007/4231	1级	SSD201606161	2017.11.13	
猝发音信号发生 器	123249/AWA5551	MPE: 频率: ±0.1%, 失真: ≤1%, 衰减: <i>U</i> =0.2dB (<i>k</i> =2)	D17AA00136000 8	2018.05.08	

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深圳中航技术检测所中国航空工业深圳特区计量测试站

证书编号: L17AA029920002

校准结果

Result of Calibration

1、外观及功能正常性检查/Appearance and function check: 正常/Pass。

2、声级计指示声级/Level Calibration:

校准前示值/Indication before Calibrated: 94.0dB 校准后示值/Indication After Adjusted: 94.0dB

3、頻率计权/Frequency weightings:

63

125

250

500

1000 (ref.)

2000

4000

标称频率	允许下限	A计权	允许上限
Nominal frequency	Lower Limit	A-weighting	Upper Limit
(Hz)	(dB)	(dB)	(dB)
31.5	-42.9	-39.5	-35.9
63	-28.7	-25.4	-23.7
125	-18.1	-16.3	-14.1
250	-10.5	-8.7	-6.7
500	-5.1	-3.5	-1.3
1000 (ref.)	-1.4	0.0	+1.4
2000	-1.4	+1.1	+3.8
4000	-2.5	+1.8	+4.6
标称频率	允许下限	C计权	允许上限
Nominal frequency	Lower Limit	C-weighting	Upper Limit
(Hz)	(dB)	(dB)	(dB)
31.5	-6.5	-3.8	+0.5

-3.3

-2.2

-1.9

-1.9

-1.4

-2.8

-4.4

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+1.7

+1.8

+1.9

+1.9

+1.4

+2.4

+2.8

-2.7

-1.5

-0.5

-0.3

0.0

+0.8

+1.9

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证书编号:L17AA029920002

4、级线性(参考频率 1kHz)/Level linearity error(Reference frequency 1kHz) :

4.1、级程变化误差 (参考频率: 1000Hz):

A计权/A-weighting

Level Change Error (Reference frequency:1000Hz)

标称值	允许下限	误差	允许上限
Nominal Value	Lower Limit	Error	Upper Limit
(dB)	(dB)	(dB)	(dB)
40	-1.0	-0.3	+1.0
50	-1.0	-0.3	+1.0
60	-1.0	-0.2	+1.0
70	-1.0	+0.2	+1.0
80	-1.0	-0.1	+1.0
90 (ref.)		0.0	
100	-1.0	0.0	+1.0

5、本机噪声/Residual noise:

A计权/A-weighting: _29,2_dB;

Δ6、单个猝发音响应 (A计权) /Tone burst response (A-weighting)

单个猝发音持续时间	猝发音响应 (dB) /Tone burst response (dB)						
(ms) /Single tone burst Last time (ms)	L _{AFmax} -L _A	允许范围 /Conclusion	L _{ASmax} ~L _A	允许范围 /Conclusion			
500	-0.3	+0.7 ~ -0.9	-3,7	-3.3 ~ -4.9			
200	-0.6	-0.2 ~ -1.8	-7.5	-6.6 ~ -8.2			
50	-3.9	-3.5 ~ -6.1	-12.5	-11.8 ~ -14.4			
10	-10.6	-9.8 ~ -12.4	-20.9	-18.7 ~ -22.3			

Δ7、重复猝发音响应 (A计权) /Response to repeated Toneburst (A-weighting)

单个猝发音持续时间 (ms)/Sinale tone

相邻单个猝发音持续时间 (ms)

猝发音响应 (dB) /Tone burst response (dB)

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证书编号: L17AA029920002

burst Last time (ms)	/Aujacent single tone parst iast time (ms)	L _{AEqT} -L _A	允许范围 /Conclusion
500	2000	-7.6	-6.2 ~ -7.8
200	800	-7.5	-6.2 ~ -7.8
50	200	-6.8	-5.7 ~ -8.3
10	40	-6.5	-5.7 ~ -8.3

附注: 。 关于测量结果不确定度的说明/Directions of uncertainty in the calibration:

1. 依据文件/According to: JJF1059.1-2012测量不确定度评定与表示

JJF1059.1-2012 Evaluation and Expression of Uncertainty in Measurement;

2.本次测量结果的扩展不确定度/Expanded uncertainty of measured results: U=0.4dB~1.0dB (k=2)

。技术要求参照JJG 188-2002/MPE according to JJG 188-2002;

Δ° 参考IEC61672-1-2002标准/Reference standard:IEC61672-1-2002;

带 "Δ"项目表示未获得CNAS认可/"Δ" expressed unattained CNAS accept

。建议下次送校日期/Due to date: 2018-10-22

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证书编号



深 圳 中 航 技 术 检 测 所 SHENZHEN METROLOGY & MEASUREMENT INSTITUTE OF AVIC 中 国 航 空 工 业 深 圳 特 区 计 量 测 试 站 SHENZHEN METROLOGY & MEASUREMENT STATION OF CHINA AVIATION INDUSTRY 国防科技工业第一计量测试研究中心深圳计量检测站 SHENZHEN METROLOGY & MEASUREMENT STATION OF CIMM

校准证书

CALIBRATION CERTIFICATE

					C		ate Number	L17AA029	9920001
委 托 单 位 Client	上峰检测认证有限公司								
地 Address	香港荃灣海	香港荃灣海盛路3號TML廣塲10樓D6A室							
器 具 名 称 Description	声校准器/S	ound c	alibra	ator					
器具用途 Usage	1		4	No.	AM SE		Maria ma	Marie 1	gyara i
规格型号 Model/Type	ND9	ND9							
制 造 单 位 Manufacturer	广州兰泰仪器有限公司								
器 具 编 号 Serial No.	507258								
结 论 Conclusion	见校准结果/Calibration								
		Marin)	N.		批 准 Approved		召为法沉	J	邵浊沉
	(证书专用章)			核 验 Checked		召班沉)	邵浊沉
					校 准 Calibrated		P.N. 3		罗成芳
委托日期 Received Date 校准日期 Calibration	2017	年 Year 年 Year	10	月 Month 月 Month	23 日 Day 23 日 Day				

计量校准机构备案号 (Register No.) : [2013] 粵量校S007号

地址:广东省深圳市福田区车公庙泰然四路劲松大厦9A、1B、105A

Add: 9A-1B-105A, Jingsong Building, Tairan 4th Road, Chegongmiao, Futian District, Shanzhen, Guangdong, China 电话 (Tel.): 0755-83890620 83890591 传真 (Fax.): 0755-83890704 邮政编码 (Post Code): 518040

网址 (Web) : http://www.szcatci.com 电子邮箱 (E-mail) : market@szcatci.com

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香港沙田火炭山尾街 18-24 號沙田商業中心 16 樓 9-10 室 Tel.: (852) 3563 7003 Fax.: (852) 3563 7018 網址: http://www.telemaxeem.com Unit 9-10, 16/F, Shatin Galleria, No. 18-24 Shan Mei Street, Fo Tan, N.T., Hong Kong

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深圳中航技术检测所中国航空工业深圳特区计量测试站

证书编号:

L17AA029920001

校准说明

Directions of Calibration

1.本所(站)是国家法定计量检定机构,其管理体系按照JF 1069-2012法定计量机构考核规范。ISO/IEC17025:2005和CNAS相关要求运行。

The institute/station is the Service of Legal Metrological Verification. It has implemented management system in accordance with JJF 1069-2012 Rules for the Examination of the Service of Legal Metrological Verification, ISO/IEC 17025:2005 and CNAS related requirements.

2.本次校准结果仅对被测件有效,所出具的数据均可溯源到国家或国际计量基准。

The results relate only to the items specified. All data issued by the certificate are traceable to the national or international primary standards of measurement.

3.未经本所(站)许可,不得部分复印此证书内容。

The certificate shall not be partly copied without the written approval of the institute/station.

4.參照技术依据 (Reference documents for the calibration):

參照JJG 176-2005《声校准器检定规程》《V.R.of Sound Calibrators》

5.校准地点及环境条件 (Place and environmental conditions of the calibration) :

地点 (Place) 温度 (Temperature)

相對温度 (Relative Humidity)

本所/Lab

22.2 ℃

60 %

6.本次校准所使用的主要计量标准装置信息 (Major standard devices used in the calibration) :

计量标准名称 Description	测量范围 Range	不确定度或最大允差 或准确度等级 Uncertainty of Measurement or Maximum Permissible Errors	证书编号 Certificate No.	有效期 Due Date
		The state of the s		and the same of the

7.本次校准所使用的主要计量标准器具信息 (Major standards of measurement used in the calibration):

器具名称 Description	编号/型号 Serial No./Model	不确定度或最大允差 或准确度等级 Uncertainty of Measurement or Maximum Permissible Errors	证书编号 Certificate No.	有效期 Due Date
测量放大器	089867/AWA5810D	± 0.2 dB; ± 0.5 dB	SSD201700243	2018.01.09
标准传声器	2172118/4190	U=0.3 dB (k=2)	SSD201606162	2017.11.13
声校准器	2292007/4231	1级	SSD201606161	2017,11.13

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深圳中航技术检测所中国航空工业深圳特区计量测试站

证书编号: L17AA029920001

校准结果

Result of Calibration

1 外观及功能正常性检查: 1

正常

Visibility and function inspection: Pass.

2 声压级校准/Sound pressure level calibration:

规定声压级/Provisions of sound pressure level (dB)

114

114

114

94

94

pressure level(dB)

声压级差的绝对值/
The absolute value of sound pressure level difference(dB)

0.4

0.3

3 频率校准/Frequency calibration:

4 失真度校准/Distortion calibration:

规定频率(Hz) 规定声压级/Provisions of sound 总失值(%) assigned frequency pressure level (dB) Distortion 1000 94 0.03

附注: < 关于测量结果不确定度的说明:

Remark Directions of uncertainty in measurement :

1.依据文件: JJF1059.1-2012 测量不确定度评定与表示;

Ref.document: JJF1059.1-2012 Evaluation and Expression of uncertainty in measurement;

2.本次测量结果的扩展不确定度:

Expanded uncertainty of the measurement:

声压级: U=0.3dB;频率: U_{rel}=0.1%;失真: U_{rel}=0.5%; (k=2)

◇ 建议下次送校日期/Due to date: 2018-10-22

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Appendix E Impact Monitoring Data of Noise

Noise Monitoring Record Sheet

Contract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum- Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area

Da	ata of Monitoring												4/4/2	2018											
Mo	onitoring Location												NSR1	(EP)											
Descri	iption of the Location											Sir	Ellis Kadoc	ne Sec Sch	ool										
Sou	und Level Method											Sound lev	el meter : A	WA5661 S	/N304042										
(Mo	del and Serial No.)											Ca	librator: NE	9 S/N5072	58										
Weather	Status												Sur	ny											
Condition	Wind Strength (m/s)	<5(E)	SEP SEP																						
Time of	Start	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30
Monitoring	Finish	7:30	8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 14:30 14:30 15:00 15:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00																						
	L10 dB(A)	65.5	65.8	65.9	66.2	66.5	65.7	66.3	67.7	67.9	66.6	66.8	66.9	66.4	67.1	67.8	67.6	66.4	66.9	67.5	66.3	65.4	65.5	66.0	65.2
	L90 dB(A)	58.2	58.5	57.9	58.3	59.0	58.8	59.1	60.2	60.4	60.0	60.8	60.9	59.7	61.7	62.0	62.2	61.4	61.6	62.5	61.9	59.9	59.1	58.4	58.2
Measured Noise	Leq dB(A)	63.1	63.3	63.7	64.0	64.2	63.9	64.5	65.1	65.3	64.5	64.7	64.8	64.3	65.2	65.5	65.1	64.4	64.8	65.0	64.7	63.8	63.2	64.1	63.7
Level (dB(A))	L10 (Average)			•	•								66	.6											
	L90 (Average)												60	.3											
	Leq (30 min)		64.4 64.4																						
Noise Li	mit Level, Leq, (dB(A))										70	dB(A) for se	chool / 65 d	B(A) durin	g examinat	ion									
Site C	onstruction Activities												Steel I	ixing											
Other Noise S	Sources During Measurement											Hur	nan Activiti	ies and Veh	icle										

	Name	Signature	Date
Recorded by	Mary Yiu	7	16/4/2018
Checked by	Calvin Lui	Colyn	16/4/2018

Noise Monitoring Record Sheet

Contract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum- Vehicle Depot at Yen Ming Road, West Kowloon Reclamation

D	ata of Monitoring												4/4/2	2018											
Mo	onitoring Location												NSR7	(EP)											
Descr	iption of the Location												Fu Yun	House											
Sound Level N	Method (Model and Serial No.)													.WA5661 S 09 S/N5072											
Weather	Status												Sur	nny											
Condition	Wind Strength (m/s)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)
Time of	Start	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30
Monitoring	Finish	7:30	8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00 15:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00																						
	L10 dB(A)	71.7	70.9	71.6	72.4	72.6	73.2	73.5	73.7	74.5	74.6	74.7	74.3	73.6	73.8	74.4	74.7	73.3	74.5	73.2	71.7	71.8	71.6	70.5	71.2
	L90 dB(A)	63.3	63.5	63.8	64.4	64.1	65.4	65.3	65.2	65.8	66.0	66.2	66.4	65.9	65.8	66.7	66.9	66.2	65.1	65.4	65.2	64.7	64.2	64.1	64.3
Measured Noise	Leg dB(A)	69.1	68.7	69.9	70.7	70.8	71.4	71.6	71.9	72.4	72.5	72.8	72.0	71.7	71.9	72.3	72.5	71.8	72.1	71.0	69.9	69.5	69.3	68.1	69.0
Level (dB(A))	L10 (Average)			•		•							73	.2							•				
	L90 (Average)												65	.3											
	Leg (30 min)		71.2																						
Noise Li	imit Level, Leq, (dB(A))		11.2 75dR/A																						
Site C	Construction Activities												Steel 1	Fixing											
Other Noise S	Sources During Measurement											Hui	nan Activit	ies and Veh	iicle										

	Name	Signature	Date
Recorded by	Mary Yiu	7	16/4/2018
Checked by	Calvin Lui	Coffee	16/4/2018





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Noise Monitoring Record Sheet

Contract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area

D	ata of Monitoring												10/4	2018											
Me	onitoring Location												NSR	(EP)											
Descr	iption of the Location											Sir	Ellis Kado	one Sec Sch	ool										
So	und Level Method											Sound lev	el meter : A	WA5661 S	/N304042										
(Mo	odel and Serial No.)											Ca	librator: NI	09 S/N5072	58										
Weather	Status												Fi	ne											
Condition	Wind Strength (m/s)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)										
Time of	Start	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30
Monitoring	Finish	7:30												16:30	17:00	17:30	18:00	18:30	19:00						
	L10 dB(A)	65.8	65.7	65.8	66.2	66.3	66.7	67.4	66.2	66.5	65.7	65.2	65.6	66.2	66.6	66.7	66.9	66.3	66.4	66.8	66.1	65.5	65.8	65.3	65.4
	L90 dB(A)	56.8	56.9	58.7	59.6	60.2	60.6	61.7	61.1	60.9	59.7	58.9	58.8	59.3	60.8	61.3	60.7	60.6	60.2	61.4	61.0	59.7	59.6	59.2	58.5
Measured Noise	Leq dB(A)	63.6	63.5	63.9	64.1	64.4	64.9	65.0	64.1	64.3	63.8	63.9	63.5	64.1	64.2	64.5	64.7	64.2	64.0	64.7	64.3	63.6	63.5	63.7	63.2
Level (dB(A))	L10 (Average)												66	.2											
	L90 (Average)												60	.0											
	Leq (30 min)												64	.1											
Noise L	imit Level, Leq, (dB(A))										70	dB(A) for s	chool/65	lB(A) durin	g examinat	on									
Site C	onstruction Activities												Steel	Fixing											
Other Noise S	Sources During Measurement											Hu	nan Activit	ies and Veh	icle										

	Name	Signature	Date
Recorded by	Mary Yiu	7	16/4/2018
Checked by	Calvin Lui	Colfin	16/4/2018

Noise Monitoring Record Sheet

Contract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum- Vehicle Depot at Yen Ming Road, West Kowloon Reclamation

D	ata of Monitoring												10/4/	2018											
Mo	onitoring Location												NSR?	(EP)											
Descri	iption of the Location												Fu Yur	House											
Sound Level N	Method (Model and Serial No.)													WA5661 S 9 S/N5072											
Weather	Status												Fi	ne											
Condition	Wind Strength (m/s)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)
Time of	Start	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30
Monitoring	Finish	7:30													18:30	19:00									
	L10 dB(A)	70.8	70.4	71.7	72.5	71.4	72.5	73.5	73.7	74.5	74.4	73.7	74.8	73.1	74.4	74.7	74.6	73.4	73.3	74.1	74.9	73.5	73.3	71.8	71.1
	L90 dB(A)	64.4	64.0	64.3	65.2	65.0	65.3	65.8	65.9	66.1	66.3	66.4	67.1	66.8	67.7	67.3	67.4	67.1	66.9	66.8	66.4	66.3	66.5	64.7	64.8
Measured Noise	Leq dB(A)	68.4	68.2	69.2	70.7	69.9	70.2	71.4	71.6	72.2	72.4	71.9	72.0	71.7	72.3	72.5	72.1	71.4	71.6	72.5	72.6	71.7	71.4	69.6	69.2
Level (dB(A))	L10 (Average)												73	.4											
	L90 (Average)												66	.1											
	Leq (30 min)	71.3																							
Noise Li	mit Level, Leq, (dB(A))	75dR(A)																							
	onstruction Activities												Steel :	ixing											
Other Noise S	Sources During Measurement											Hui	nan Activit	es and Veh	icle										

	Name	Signature	Date
Recorded by	Mary Yiu	7	16/4/2018
Checked by	Calvin Lui	Colfin	16/4/2018

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Noise Monitoring Record Sheet

Contract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area

D.	ata of Monitoring												16/4/	2018											
	nitoring Location												NSR1												
	ption of the Location													ne Sec Sch											
Sou	and Level Method											Sound lev	el meter : A	WA5661 S	N304042										
(Mo	del and Serial No.)											Ca	librator: NI	9 S/N5072	58										
Weather	Status												Clo	udy											
Condition	Wind Strength (m/s)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)
Time of	Start	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30
Monitoring	Finish	7:30	8:00	8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00 16:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00																					
	L10 dB(A)	65.1	8:00 8:30 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 13:00 13:30 14:00 14:30 15:00 15:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00 16:3 16:00 16:30 17:00 17:30 18:00 18:30 19:00 16:3 16:00 16:3 16:00 16:3 16:00 16:3 16:00 16:3 16:00 16:3 16:00 16:3 17:0 17:3 18:00 18:3 19:00 18:3 19:00 18:3 18:0 19:00 18:3 18:0 19:00 18:3 18:3 18:3 18:3 18:3 18:3 18:3 18:3																						
	L90 dB(A)	55.9	55.1	55.0	56.4	56.2	56.7	55.8	55.4	56.2	56.3	56.1	59.1	59.6	59.4	60.5	60.6	60.3	59.7	59.8	60.5	59.3	59.7	59.2	59.1
Measured Noise	Leq dB(A)	63.7	64.0	63.9	64.1	63.5	64.4	64.8	64.7	64.1	63.6	63.9	64.1	64.0	64.6	64.9	64.3	64.1	63.5	63.4	64.7	63.5	63.1	63.4	63.2
Level (dB(A))	L10 (Average)												66	.0		•									
	L90 (Average)												58	.4											
	Leq (30 min)												64	.0											
Noise Lii	mit Level, Leq, (dB(A))										70	dB(A) for s	chool / 65 d	B(A) during	g examinat	ion									
Site Co	onstruction Activities												Steel 1	ixing											
Other Noise S	ources During Measurement											Hui	nan Activiti	es and Veh	icle										

	Name	Signature	Date
Recorded by	Mary Yiu	7	16/4/2018
Checked by	Calvin Lui	Coffin	16/4/2018

Noise Monitoring Record Sheet

Contract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum- Vehicle Depot at Yen Ming Road, West Kowloon Reclamation

Da	ata of Monitoring												16/4/	2018											
Mo	nitoring Location												NSR7	(EP)											l.
Descri	ption of the Location												Fu Yun	House											
Sound Level M	ethod (Model and Serial No.)												el meter : A librator: NI												
Weather	Status												Clo		50										
Condition	Wind Strength (m/s)	<5(E)	⟨5(E)	<5(E)																					
Time of	Start	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30
Monitoring	Finish	7:30																							
	L10 dB(A)	70.5	71.4	72.5	72.4	71.6	71.7	72.2	72.6	73.2	73.4	73.7	72.1	72.4	73.2	73.7	74.5	74.4	73.6	73.2	72.2	72.4	71.7	70.8	70.6
	L90 dB(A)	63.3	63.7	64.9	64.4	64.0	63.5	65.4	65.1	66.8	66.2	66.7	65.9	65.3	65.0	65.5	65.9	65.7	66.2	66.1	65.1	65.2	64.7	64.3	63.8
Measured Noise	Leq dB(A)	68.7	69.2	70.4	70.5	69.7	69.3	70.2	70.8	71.1	71.6	71.8	70.2	70.7	71.4	71.9	72.2	72.0	71.4	71.1	70.4	70.9	69.2	68.4	68.9
Level (dB(A))	L10 (Average)												72	.6											
	L90 (Average)												65	.2											
	Leg (30 min)												70	.6											
Noise Li	mit Level, Leq, (dB(A))												75d1	3(A)											
Site C	onstruction Activities												Steel I	Fixing											
Other Noise S	ources During Measurement											Hu	nan Activit	ies and Veh	icle										

	Name	Signature	Date
Recorded by	Mary Yiu	2	16/4/2018
Checked by	Calvin Lui	Colyn	16/4/2018

香港沙田火炭山尾街 18-24 號沙田商業中心 16 樓 9-10 室 Tel.: (852) 3563 7003 Fax.: (852) 3563 7018 網址: http://www.telemaxeem.com Unit 9-10, 16/F, Shatin Galleria, No. 18-24 Shan Mei Street, Fo Tan, N.T., Hong Kong





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Noise Monitoring Record Sheet

Contract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area

Da	ata of Monitoring												21/4/	2018											
Mo	nitoring Location												NSR1	(EP)											
Descrip	ption of the Location											Sir	Ellis Kadoo	ne Sec Sch	ool										
Sou	and Level Method											Sound lev	el meter : A	WA5661 S/	N304042										
(Mos	del and Serial No.)											Ca	librator: NI	9 S/N5072	58										ļ
Weather	Status												Fi	ne .											
Condition	Wind Strength (m/s)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)
Time of	Start	7:00																							
Monitoring	Finish	7:30	30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 12:00 12:30 13:30 14:00 15:30 15:00 15:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00																						
	L10 dB(A)	65.4	65.8	66.2	66.3	66.7	67.4	67.8	66.6	66.2	67.1	66.2	66.8	66.9	67.4	66.2	66.3	67.0	67.7	67.2	66.3	66.5	65.4	65.2	65.6
	L90 dB(A)	57.2	57.3	58.1	58.2	57.9	58.5	59.0	59.1	59.3	60.4	60.3	60.4	60.7	61.3	60.2	59.9	61.8	62.0	62.2	61.6	61.1	59.5	59.4	59.2
Measured Noise	Leq dB(A)	63.1	63.9	64.0	64.2	64.5	65.0	65.5	64.7	64.3	65.2	64.6	64.7	64.4	65.1	64.3	64.2	65.5	65.8	65.3	64.4	64.0	63.9	63.5	63.7
Level (dB(A))	L10 (Average)												66	.6											
	L90 (Average)												60	.0											
	Leq (30 min)												64	.5											
Noise Lir	mit Level, Leq, (dB(A))										70	dB(A) for s	chool / 65 c	B(A) during	g examinati	on									
Site Co	onstruction Activities												Steel 1	ixing											
Other Noise S	ources During Measurement											Hui	nan Activit	es and Veh	icle										

	Name	Signature	Date
Recorded by	Mary Yiu	7	27/4/2018
Checked by	Calvin Lui	(office	27/4/2018

Noise Monitoring Record Sheet

ontract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum- Vehicle Depot at Yen Ming Road, West Kowloon Reclamation

Da	ata of Monitoring												21/4/	2018											
Mo	nitoring Location												NSR	(EP)											
Descri	ption of the Location												Fu Yun	House											
Sound Level M	lethod (Model and Serial No.)													WA5661 S/ 9 S/N5072:											
Weather	Status												Fi	ne											
Condition	Wind Strength (m/s)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)											
Time of	Start	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30
Monitoring	Finish	7:30																							
	L10 dB(A)	70.2	71.4	73.2	72.4	72.2	74.4	74.5	73.2	73.3	72.7	72.2	72.1	73.6	73.0	74.1	73.2	72.0	72.6	71.4	71.5	71.1	72.2	71.9	71.2
	L90 dB(A)	64.2	64.0	65.2	65.0	64.9	65.6	65.9	65.1	64.8	64.1	63.7	63.5	64.7	64.3	65.0	64.8	64.1	64.2	63.8	63.9	63.2	64.4	63.2	63.5
Measured Noise	Leq dB(A)	68.8	69.3	71.1	70.5	70.8	72.1	72.6	71.8	71.0	70.8	70.7	70.6	71.3	71.4	72.1	71.3	70.9	70.4	69.6	69.7	69.3	70.0	69.4	69.1
Level (dB(A))	L10 (Average)												72	.6					:		•				
	L90 (Average)												64	.4											
	Leq (30 min)												70	.7											
Noise Lin	mit Level, Leq, (dB(A))												75d	3(A)											
Site Co	onstruction Activities												Steel 1	ixing											
Other Noise S	ources During Measurement											Hui	nan Activit	es and Veh	icle										

	Name	Signature	Date
Recorded by	Mary Yiu	7	27/4/2018
Checked by	Calvin Lui	Colgri	27/4/2018







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Noise Monitoring Record Sheet

Contract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area

Da	ata of Monitoring												27/4/	2018											
	nitoring Location												NSR1												
Descri	ption of the Location											Sir	Ellis Kadoo	ne Sec Scho	ool										
Sou	and Level Method											Sound leve	l meter : A	WA5661 S/	N304042										-
	del and Serial No.)													9 S/N5072											
Weather	Status												Sun	ny											
Condition	Wind Strength (m/s)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)
Time of	Start	7:00																							
Monitoring	Finish	7:30	30 8:00 8:30 9:00 9:30 10:00 10:30 11:00 12:00 12:30 13:30 14:00 14:30 15:00 15:30 16:00 16:30 17:00 17:30 18:00 18:30 19:00																						
	L10 dB(A)	65.6																							
	L90 dB(A)	56.8	56.2	56.1	56.0	58.2	58.4	58.9	60.3	60.1	59.5	60.4	58.7	58.2	60.3	61.1	61.6	60.9	60.4	60.5	59.2	58.8	58.7	58.1	58.0
Measured Noise	Leq dB(A)	63.6	63.9	63.1	63.5	64.0	64.4	64.7	65.0	65.3	64.9	64.1	63.6	63.9	64.4	65.1	65.3	64.6	64.0	64.7	64.3	63.2	63.7	63.0	63.2
Level (dB(A))	L10 (Average)												66.	3											
	L90 (Average)												59.	2											
	Leq (30 min)												64.	2											
Noise Li	nit Level, Leq, (dB(A))										70	dB(A) for so	hool / 65 d	B(A) during	g examinati	on									
Site Co	onstruction Activities												Steel F	ixing											
Other Noise S	ources During Measurement	· ·										Hur	nan Activiti	es and Vehi	icle										

	Name	Signature	Date
Recorded by	Mary Yiu	7	27/4/2018
Checked by	Calvin Lui	(office	27/4/2018

Noise Monitoring Record Sheet

ontract No: SS D505

Contract Title: Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum- Vehicle Depot at Yen Ming Road, West Kowloon Reclamation

D													274	2010											
	ata of Monitoring													2018											
Mo	nitoring Location												NSR	(EP)											
Descri	ption of the Location												Fu Yun	House											
Sound Level M	ethod (Model and Serial No.)													WA5661 S 9 S/N5072											
Weather	Status												Sui	nny											
Condition	Wind Strength (m/s)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)	<5(E)											
Time of	Start	7:00	7:30	8:00	8:30	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30
Monitoring	Finish	7:30											17:00	17:30	18:00	18:30	19:00								
	L10 dB(A)	71.8	71.3	71.1	71.4	72.5	72.7	72.6	73.2	73.5	74.4	74.8	73.6	74.1	74.0	73.4	74.4	74.8	73.7	72.2	71.7	71.6	71.8	71.2	71.1
	L90 dB(A)	64.1	63.9	64.0	64.4	65.5	65.6	65.8	66.2	66.1	67.0	67.3	66.4	66.8	66.9	65.7	65.9	66.2	65.7	65.3	64.6	64.1	64.7	64.4	64.0
Measured Noise	Leq dB(A)	69.1	69.6	69.0	69.7	70.6	70.9	70.5	71.4	71.6	72.3	72.7	71.8	72.5	72.2	71.9	72.6	72.0	71.3	70.0	69.2	69.0	69.4	69.3	69.7
Level (dB(A))	L10 (Average)				-								73	.0											
	L90 (Average)												65	.6											
	Leq (30 min)												71	.0											
Noise Lin	mit Level, Leq, (dB(A))												75d	3(A)											
Site Co	onstruction Activities												Steel 1	Fixing											
Other Noise S	ources During Measurement											Hui	nan Activit	ies and Veh	icle										

	Name	Signature	Date
Recorded by	Mary Yiu	7	27/4/2018
Checked by	Calvin Lui	Colgie	27/4/2018

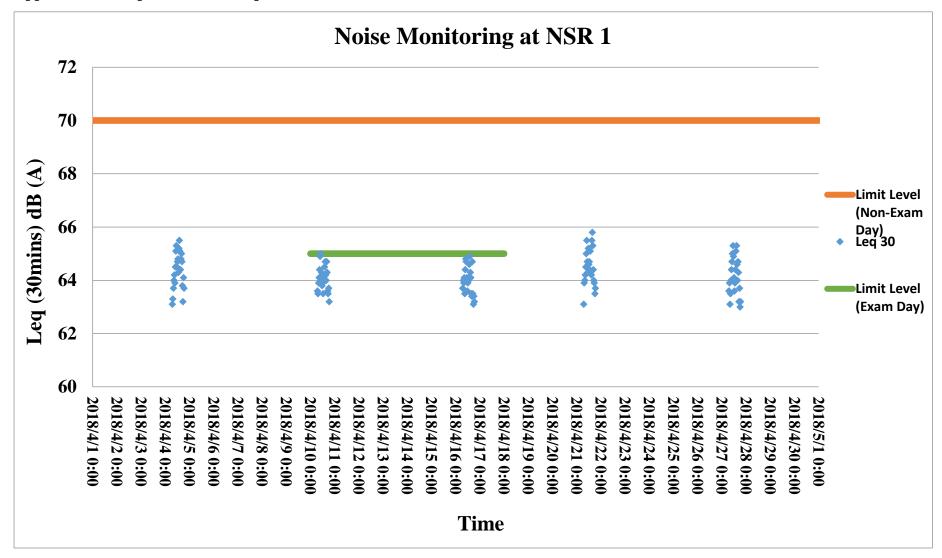
香港沙田火炭山尾街 18-24 號沙田商業中心 16 樓 9-10 室 Tel.: (852) 3563 7003 Fax.: (852) 3563 7018 網址: http://www.telemaxeem.com Unit 9-10, 16/F, Shatin Galleria, No. 18-24 Shan Mei Street, Fo Tan, N.T., Hong Kong





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Appendix F Graphical Plot of Leq (30 min)

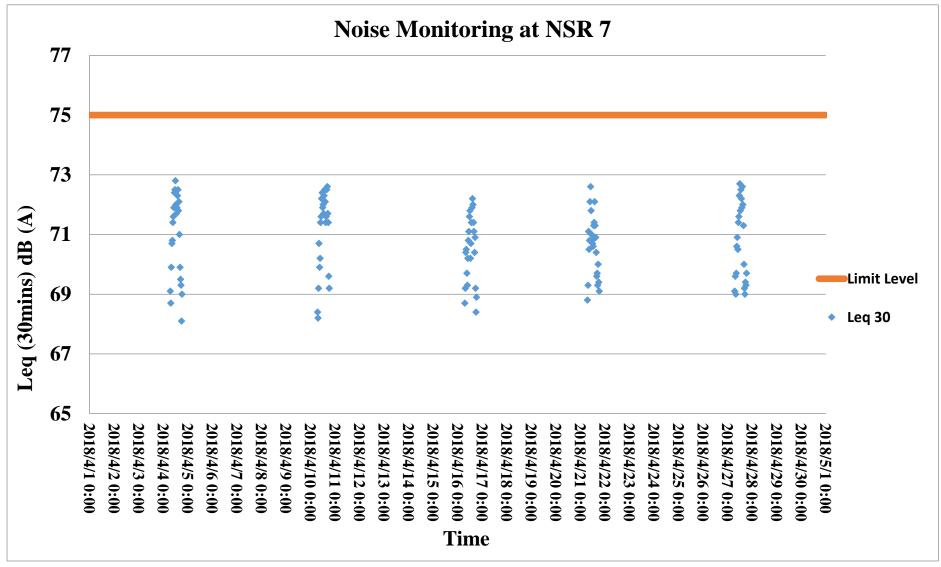








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Appendix G Monitoring Schedule

Impact Monitoring Schedule (April 2018) [i.e. Reporting Period]

						April 2018
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	7	8	9	10
11	12 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	13	14	15	16	17 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900
18	19	20	21	22	23 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	24
25	26	27	28	29 (Exam) IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	30	31

Remarks: IN – Impact Noise Monitoring

NSR 1 –Sir Ellis Kadoorie Secondary School (West Kowloon)

NSR 7 - Fu Cheong Estate Fu Yun House





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Impact Monitoring Schedule for future three months [i.e. April, May and June 2018]

Impact Monitoring Schedule (May 2018)

						May 2018
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	4	5
6	7		9 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	10	11	12
13	14	15 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	16	17	18	19
20	21 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900		23	24	25	26 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900
27	28	29	30	31		

Remarks: IN – Impact Noise Monitoring

NSR 1 –Sir Ellis Kadoorie Secondary School (West Kowloon)

NSR 7 - Fu Cheong Estate Fu Yun House

Exam – Exam period for NSR -1



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Impact Monitoring Schedule (June 2018)

						June 2018
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	2
3	4	5	6	7 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	8	9
10	11		13 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	14	15	16
17		19 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	20	21	22	23
24	25 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900		27	28	29	30 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900

Remarks: IN – Impact Noise Monitoring

NSR 1 –Sir Ellis Kadoorie Secondary School (West Kowloon)

NSR 7 - Fu Cheong Estate Fu Yun House



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Impact Monitoring Schedule (July 2018)

						July 20
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4		6 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	7
8	9	10	11	12 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	13	14
15	16		18 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	19	20	21
22	23	24 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	25	26	27	28
29	30 IN - NSR 1 & NSR 7 NSR 1: 0700 -1900 NSR 7: 0700 -1900	31				

Remarks: IN – Impact Noise Monitoring

NSR 1 –Sir Ellis Kadoorie Secondary School (West Kowloon)

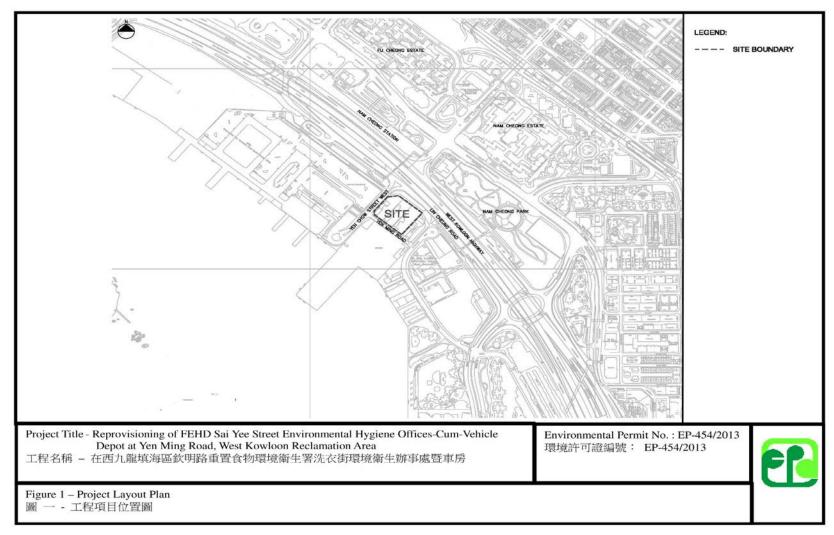
NSR 7 - Fu Cheong Estate Fu Yun House



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Appendix H Project Layout

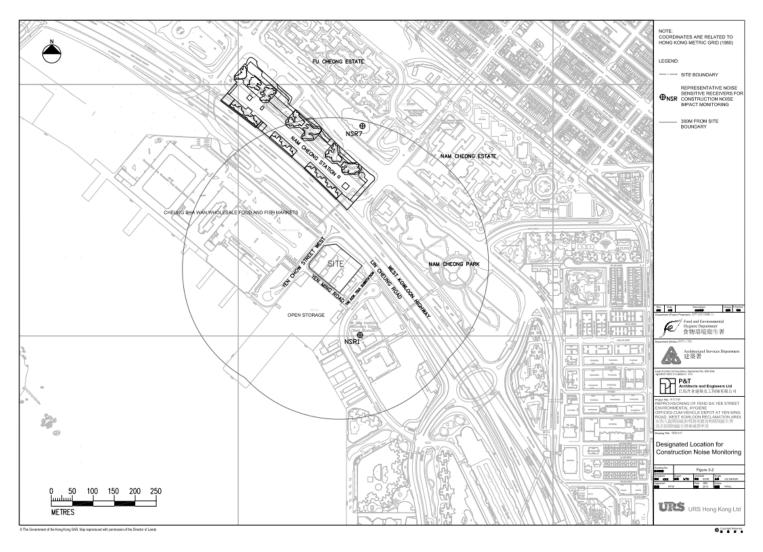








Appendix I Location of the Impact Monitoring Locations



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Appendix J Photo Records of Monitoring

Photo Records of Noise Monitoring in Daytime



NSR 1 - Sir Ellis Kadoorie Secondary School (West Kowloon)



NSR 7 - Fu Cheong Estate Fu Yun House





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Appendix K Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Cumulative statistics for complaints, notifications of summons and successful prosecutions for the Project account for period starting from the date of commencement of construction works (i.e. 29 February 2016) to the end of the reporting month and are summarized in the Table L-1 below.

Table L1 Statistics for complaints, notifications of summons and successful prosecutions

Reporting Period	Received Date			Cu	mulative Statistics	
		Complaints	Notifications of	Successful prosecutions	Туре	Status
			summons			
This reporting month	N/A	0	0	0	N/A	N/A
From 29 February 2016 to end of the reporting month		2	0	0		

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Appendix L Monthly Waste Flow Table

MA P3 ConstructionWaste Management Plan **MA 11 Construciton Waste Reduction**

FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot, Yen Ming Road, West Kowloon Reclamation Area

Record by: China Road and Bridge Corporation

Year of Record:

Monthly Waste Flow Table

DD.MM.YY	Total Quantity	Total Quantity		A	Actual Qua	ntities of Inert C	&D Materi	ials Genera	ated Month	ly		Actu	ual Quantitie	s of C&D M	aterials Ge	enerated Mo	nthly
	Generated	Generated (Excluded Excavated	Exca Disposed in	vated Mater Disposed in		Broken Concrete	Reused in		ed Materia Disposed in		Disposed in	Metals (steel bar /	Metals (aluminum	Paper / cardboard	Plastics (1) & (4)	Chemical waste	Other, e.g. general
		Material)	Public Fill	Sorting Facilities	Reused in the Contract / Other Projects)	or Construction Waste Collected by Recycled Company	the Contract	other Projects	Public Fill	Landfill	Sorting Facilities	metal strip)	can) ⁽¹⁾	packaging (1)		(wasted lubricant oil/oil container)	refuse
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
	a1	a2	b	b	b	С	d	е	f	g	h	i	j	k	I	m	n
3-Apr-18	4.45	4.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.45
4-Apr-18	6.99	6.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.99
6-Apr-18	7.93	7.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.93
7-Apr-18	7.07	0.00	7.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9-Apr-18	3.71	3.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.71
10-Apr-18	2.91	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.91
11-Apr-18	3.07	3.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.07
12-Apr-18	3.82	3.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.82
13-Apr-18	8.85	8.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.85
14-Apr-18	6.75	6.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.75
16-Apr-18	3.95	3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.95
17-Apr-18	24.86	0.00	24.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18-Apr-18	7.87	7.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.87
19-Apr-18	11.31	11.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.31
20-Apr-18	16.35	8.57	7.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.57
21-Apr-18	4.59	4.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.59
24-Apr-18	6.38	6.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.38
25-Apr-18	8.17	8.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.17
26-Apr-18	3.71	3.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.71
27-Apr-18	2.76	2.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.76
28-Apr-18	13.44	13.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.44
30-Apr-18	4.64	4.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.64
Total	163.58	123.87	39.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.87

Total C&D waste generated

Total C&D waste generated (excluded excavated materials)

Total recycled C&D waste

% of recycled C&D waste for BEAM Plus MA11

(1) metal, paper & plastic were collected by recycler

(2) The performance target of waste recycling are specified in the Contractt. (3) The waste flow table shall also include C&D materials that are specified in the Contract to be imported for use at the Site.

(4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.

(5) Broken concrete for recycling into aggregates.

(6) Excavated materials/waste will NOT be considered as part of construction waste. It should be excluded in the calculation.

(7) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.

163.58 tonnes a1=b+c+d+e+f+g+h+i+j+k+l+m+n 123.87 tonne a2=c+d+e+f+g+h+i+j+k+l+m+n

0.00 tonne a3=c+d+e+i+j+k+l 0.00 % a4=a3/a2 x 100%





25471.67 tonnes a1=b+c+d+e+f+g+h+i+j+k+l+m+n

826.41 tonne a2=c+d+e+f+g+h+i+j+k+l+m+n

a4=a3/a2 x 100%

22.16 tonne a3=c+d+e+i+j+k+l

2.68% %

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MA P3 ConstructionWaste Management Plan MA 11 Construciton Waste Reduction

Project: FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot, Yen Ming Road, West Kowloon Reclamation Area

Record by: China Road and Bridge Corporation

Year of Record: 2018

Overall Summary Waste Flow Table

DD.MM.YY	Total Quantity	Total Quantity		F	Actual Quar	ntities of Inert C	&D Materi	als Genera	ated Monthl	у		Actu	ual Quantitie	s of C&D M	aterials Ge	nerated Mo	nthly
	Generated	Generated (Excluded	Exca	vated Mater	ials		No	on-excavat	ed Material	s		Metals	Metals	Paper /	Plastics	Chemical	Other, e.g.
		Excavated Material)	Disposed in Public Fill	Disposed in Sorting Facilities	Others (e.g Reused in the Contract / Other Projects)	Broken Concrete or Construction Waste Collected by Recycled Company	Reused in the Contract	Reused in other Projects	Disposed in Public Fill	Disposed in Landfill	Disposed in Sorting Facilities	(steel bar / metal strip)	(aluminum can) ⁽¹⁾	cardboard packaging (1)	(1) & (4)	waste (wasted lubricant oil/oil container)	general refuse
	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)	(in '000kg)
	a1	a2	b	b	b	С	d	е	f	g	h	i	j	k	ı	m	n
Mar-16	36.48	4.58	31.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.58	0.00	0.00	0.00	0.00	2.00
Apr-16	9.20	9.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.20
May-16	4.60	4.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.60
Jun-16	4.20	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.20
Jul-16	3.80	3.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.80
Aug-16	109.80	0.50	109.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50
Sep-16	659.70	8.10	651.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.10
Oct-16	1280.90	1.50	1279.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50
Nov-16	1463.50	4.30	1459.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.30
Dec-16	2590.32	5.22	2585.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.72	0.00	0.00	0.00	0.00	3.50
Jan-17	765.30	17.90	747.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.90
Feb-17	5265.80	4.50	5261.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50
Mar-17	6161.20	5.00	6156.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00
Apr-17	2230.12	24.12	2206.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.92	0.00	0.00	0.00	0.00	11.20
May-17	1592.44	26.74	1565.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.94	0.00	0.00	0.00	0.00	21.80
Jun-17	949.60	39.20	910.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.20
Jul-17	1081.92	31.88	1050.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.88
Aug-17	52.82	52.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.82
Sep-17	90.88	85.47	5.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	85.47
Oct-17	202.80	55.98	146.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	55.98
Nov-17	76.74	76.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.74
Dec-17	201.74	81.31	120.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	81.31
Jan-18	286.71	74.17	212.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.17
Feb-18	96.60	72.29	24.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.29
Mar-18	254.50	132.29	122.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	132.29
Apr-18	163.58	123.87	39.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	123.87
Total	25471.67	826.41	24645.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.16	0.00	0.00	0.00	0.00	804.25

Total C&D waste generated

Total C&D waste generated (excluded excavated materials)

Total recycled C&D waste

% of recycled C&D waste for BEAM Plus MA11

(1) metal, paper & plastic were collected by recycler

(2) The performance target of waste recycling are specified in the Contractt.

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

(4) Plastics refer to plastic bottles/ containers, plastic/ foam from packaging material.

(5) Broken concrete for recycling into aggregates.

(6) Excavated materials/waste will NOT be considered as part of construction waste. It should be excluded in the calculation.

(7) Disposal of inert waste to public fill or sorting facilities will NOT be considered as recycled waste.

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Appendix M Environmental Licenses / Permits

(a) Environmental Permit

Environmental Permit No. EP-454/2013 環境許可證編號 EP-454/2013

ENVIRONMENTAL IMPACT ASSESSMENT ORDINANCE (CHAPTER 499) Section 10

環境影響評估條例 (第499章) 第10條

ENVIRONMENTAL PERMIT TO CONSTRUCT AND OPERATE A DESIGNATED PROJECT

建造及營辦指定工程項目的環境許可證

PART A (MAIN PERMIT)

A部 (許可證主要部分)

Pursuant to Section 10 of the Environmental Impact Assessment Ordinance (EIAO), the Director of Environmental Protection (the Director) grants this environmental permit to the <u>Food and Environmental Hygiene Department</u> (hereinafter referred to as the "Permit Holder") to construct and operate the designated project described in <u>Part B</u> subject to the conditions specified in <u>Part C</u>. The issue of this environmental permit is based on the documents, approvals or permissions described below:

根據《環境影響評估條例》(環評條例)第10條的規定,環境保護署署長(署長)將本環境許可證批予<u>食物</u> 環境衞生署(下稱許可證持有人)以建造及營辦<u>B部</u>所說明的指定工程項目,但須遵守<u>C部</u>所列明的條件。 本環境許可證是依據下列文件、批准或許可而簽發:-

Application No. 申請書編號	AEP-454/2013
Document in the Register 登記冊上文件	(1) Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area (Register No.: AEIAR-177/2013) - Environmental Impact Assessment Report (June 2013) [Hereinafter referred to as the "EIA Report"] - Environmental Monitoring and Audit Manual (June 2013) [Hereinafter referred to as the "EM&A Manual"] - Executive Summary (June 2013)
	在西九龍填海區欽明路重置食物環境衞生署洗衣街環境衞生辦事處暨車房 (登記冊編號: AEIAR-177/2013) - 環境影響評估報告 (2013年6月) [下稱「環評報告」] - 環境監察審核手冊 (2013年6月) [下稱「環監手冊」] - 行政摘要 (2013年6月)
	(2) The Director's letter of approval of the EIA report dated 12 November 2013 referenced (69) in EP 2/K20/A20 Pt.2
	署長於2013年11月12日發出批准環評報告的信件,檔案編號: (69) in EP 2/K20/A20 Pt.2
	(3) Application for an Environmental Permit submitted by the Permit Holder on 24 June 2013 (Application No.: AEP-454/2013)
	許可證持有人於2013年6月24日提交的環境許可證申請(申請書

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(首席環境保護主任 黃耀光代行)

		編號: AI	EP-454/201	3)
- -				
	12 November 2013 2013年11月12日			
	Date 日期		-	(Ken Y.K. Wong) Principal Environmental Protection Officer for Director of Environmental Protection 環境保護署署長

PART B (DESCRIPTION OF DESIGNATED PROJECT)

B部 (指定工程項目的說明)

Hereunder is the description of the designated project mentioned in Part A of this environmental permit (hereinafter referred to as the "Permit"):-

下列為本環境許可證(下稱"許可證")A部所提及的指定工程項目的說明:

Title of Designated Project(s) 指定工程項目的名稱	Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices- cum-vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area [This designated project is hereinafter referred to as "the Project"] 在西九龍填海區欽明路重置食物環境衛生署洗衣街環境衛生辦事處暨車 房 [這指定工程項目下稱"工程項目"]
Nature of Designated Project(s) 指定工程項目的性質	A transport depot located less than 200m from the nearest boundary of an existing or planned residential area / educational institution 運輸車廠的位置距離一個現有的或計劃中的住宅區或教育機構的最近界線少於200 米
Location of Designated Project(s) 指定工程項目的地點	The Project is located at Yen Ming Road, West Kowloon Reclamation Area. The location of this Project is shown in Figure 1 attached to this Permit. 工程項目位於西九龍填海區欽明路。工程項目的位置見載於本許可證夾附的圖1。
Scale and Scope of Designated Project(s) 指定工程項目的規模和範圍	The project is to construct and operate a five-storey building comprising various facilities for vehicle washing and repair operation, parking of vehicles as well as offices. 工程項目為建造及營辦一座五層高的大樓,提供車輛清洗和維修設施、車輛停泊處及辦公室。

PART C (PERMIT CONDITIONS)

C部 (許可證條件)

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General Conditions 1.

一般條件

- 1.1 The Permit Holder and any person working on the Project shall comply with all conditions set out in this Permit. Any non-compliance by any person may constitute a contravention of the Environmental Impact Assessment Ordinance (EIAO) (Cap. 499) and may become the subject of appropriate action being taken under the EIAO.
- 1.2 The Permit Holder shall ensure full compliance with all legislation from time to time in force including, without limitation to, the Air Pollution Control Ordinance (Cap. 311), Waste Disposal Ordinance (Cap. 354), Water Pollution Control Ordinance (Cap. 358) and Noise Control Ordinance (Cap. 400). This Permit does not of itself constitute any ground of defence against any proceedings instituted under any legislation or imply any approval under any legislation.
- 1.3 The Permit Holder shall make copies of this Permit together with all documents referred to in this Permit and the documents referred to in Part A of the Permit readily available at all times for inspection by the Director or his authorised officers at all sites/offices covered by this Permit. Any reference to the Permit shall include all documents referred to in the Permit and also the relevant documents in the Register.
- 1.4 The Permit Holder shall give a copy of this Permit to the person(s) in charge of the site(s) and ensure that such person(s) fully understands all conditions and all requirements incorporated in the Permit. The site(s) refers to site(s) of construction of the Project and shall mean the same hereafter.
- 1.5 The Permit Holder shall display conspicuously a copy of this Permit on the Project site(s) at all vehicular site entrances/exits or at a convenient location for public's information at all times. The Permit Holder shall ensure that the most updated information about the Permit, including any amended Permit, is displayed at such locations. If the Permit Holder surrenders a part or the whole of the Permit, the notice he sends to the Director shall also be displayed at the same locations as the original Permit. The suspended, varied or cancelled Permit shall be removed from display at the Project site(s).
- 1.6 The Permit Holder shall construct and operate the Project in accordance with the project description in Part B of this Permit.
- 1.7 The Permit Holder shall ensure that the Project is designed, constructed and operated in accordance with the information and recommendations described in the approved EIA Report (Register No.: AEIAR-177/2013), the application document for environmental permit (Application No.: AEP-454/2013), other relevant documents in the Register, the information and mitigation measures described in this Permit, mitigation measures to be recommended in submissions that shall be deposited with or approved by the Director as a result of permit conditions contained in this Permit, and mitigation measures to be recommended under on-going surveillance and monitoring activities during all stages of the Project. Where recommendations referred to in the documents of the Register are not expressly referred to in this Permit, such recommendations are nevertheless to be implemented unless expressly excluded or impliedly amended in this Permit.
- 1.8 All deposited submissions, as required under this Permit, shall be rectified and resubmitted in accordance with the comments, if any, made by the Director within one month of the receipt of the Director's comments or otherwise as specified by the Director.
- 1.9 All submissions approved by the Director, all submissions deposited without comments by the Director, or all submissions rectified in accordance with comments by the Director under this Permit shall be construed as part of the permit conditions described in Part C of this Permit. Any variation of the submissions shall be approved by the Director in writing or as prescribed in the relevant permit conditions. Any non-compliance with the submissions may constitute a contravention of the Environmental Impact Assessment Ordinance (Cap. 499). All submissions or any variation of the submissions shall be certified by the Environmental Team (ET) Leader and verified by the Independent

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Environmental Checker (IEC) referred to in Conditions 2.1 and 2.2 below, before submitting to the Director under this Permit.

- 1.10 The Permit Holder shall release all finalized submissions as required under this Permit, to the public by depositing copies in the Environmental Impact Assessment Ordinance Register Office, or in any other places, or any internet websites as specified by the Director, or by any other means as specified by the Director for public inspection. For this purpose, the Permit Holder shall provide sufficient copies of the
- All submissions to the Director required under this Permit shall be delivered either in person or by 1.11 registered mail to the Environmental Impact Assessment Ordinance Register Office (currently at 27/F, Southorn Centre, 130 Hennessy Road, Wanchai, Hong Kong). Electronic copies of all finalized submissions required under this Permit shall be prepared in Hyper Text Markup Language (HTML) (version 4.0 or later) and in Portable Document Format (PDF version 1.3 or later), unless otherwise agreed by the Director and shall be submitted at the same time as the hard copies.
- 1.12 The Permit Holder shall notify the Director in writing the commencement date of construction of the Project no later than one month prior to the commencement of construction of the Project. The Permit Holder shall notify the Director in writing immediately if there is any change of the commencement date of the construction.
- 1.13 For the purpose of this Permit, "commencement of construction works" does not include works related to site clearance and preparation, or other works as agreed by the Director.
- The Permit Holder shall notify the Director in writing the commencement date of operation of the Project no later than one month prior to the commencement of operation of the Project. The Permit Holder shall notify the Director in writing immediately if there is any change of the commencement date of the operation.

2. Specific Conditions

Submissions and/or Measures before Commencement of Construction of the Project

Employment of Environmental Monitoring and Audit (EM&A) Personnel

- 2.1 An Environmental Team (ET) shall be established by the Permit Holder no later than one month before commencement of construction of the Project. The ET shall not be in any way an associated body of the Contractor or the Independent Environmental Checker (IEC) for the Project. The ET shall be headed by an ET Leader. The ET Leader shall be a person who has at least 7 years of experience in environmental monitoring and auditing (EM&A) or environmental management. The ET and the ET Leader shall be responsible for the implementation of the EM&A programme in accordance with the EM&A requirements as contained in the EM&A Manual of the Project. The ET Leader shall keep a contemporaneous log-book of each and every instance or circumstance or change of circumstances, which may affect the compliance with the recommendations of the EIA Report and this Permit. The ET Leader shall notify the IEC within one working day of the occurrence of any such instance or circumstance or change of circumstances. The ET Leader's log-book shall be kept readily available for inspection by all persons assisting in supervision of the implementation of the recommendations of the EIA Report and this Permit or by the Director or his authorized officers. Failure to maintain records in the log-book, failure to discharge the duties of the ET Leader as defined in the EM&A Manual of the Project or failure to comply with this Condition would entitle the Director to require the Permit Holder by notice in writing to replace the ET Leader. Failure by the Permit Holder to make replacement, or further failure to keep contemporaneous records in the log-book despite the employment of a new ET Leader may render the Permit liable to suspension, cancellation or variation.
- 2.2 An IEC shall be employed by the Permit Holder no later than one month before commencement of construction of the Project. The IEC shall not be in any way an associated body of the Contractor or the ET for the Project. The IEC shall be a person who has at least 7 years of experience in EM&A or

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environmental management. The IEC shall be responsible for duties defined in the EM&A Manual and shall audit the overall EM&A performance, including the implementation of all environmental mitigation measures, submissions required in the EM&A Manual, and any other submissions required under this Permit. In addition, the IEC shall be responsible for verifying the environmental acceptability of permanent and temporary works, relevant design plans and submissions under this Permit. The IEC shall verify the log-book(s) mentioned in Condition 2.1 of this Permit. The IEC shall notify the Director by fax, within one working day of receipt of notification from the ET Leader of each and every occurrence, change of circumstances or non-compliance with the EIA Report (Register No.: AEIAR-177/2013) and this Permit, which might affect the monitoring or control of adverse environmental impacts from the Project. In the case where the IEC fails to so notify the Director of the same, fails to discharge the duties of the IEC as defined in the EM&A Manual or fails to comply with this Condition, the Director may require the Permit Holder by notice in writing to replace the IEC. Failure to replace the IEC as directed or further failure to so notify the Director despite employment of a new IEC may render the Permit liable to suspension, cancellation or variation. Notification by the Permit Holder is the same as notification by the IEC for the purpose of this Condition.

Management Organization of Main Construction Company

2.3 The Permit Holder shall, no later than two weeks before the commencement of construction of the Project, inform the Director in writing the management organization of the main construction companies and/or any form of joint venture associated with the construction of the Project. The submitted information shall include at least an organization chart, names of responsible persons and their contact details.

Submission of Landscape and Visual Mitigation Plan of the Project

- 2.4 The Permit Holder shall, at least one month before the commencement of construction of the corresponding component(s) of the Project, submit four hard copies and one electronic copy of a Landscape and Visual Mitigation Plan(s) to the Director for approval. The Plan(s) shall include at least the following information:-
 - (a) one (1) existing tree to be retained in-situ at the location marked in <u>Figure 2</u>;
 - (b) a tree compensation proposal showing the locations, size, number and species of trees to be planted, including the compensation of at least 27 trees of heavy standard size (100mm DBH), in accordance with the recommended tree species in Table 1 and Table 2; and
 - (c) an updated landscape design for ground floor planting, vertical greening, roof gardens and hard landscape features.

The Landscape and Visual Mitigation Plan(s) shall be certified by the ET leader and verified by the IEC as conforming to the information and recommendations of landscape and visual mitigation measures contained in the EIA Report (Register No.: AEIAR-177/2013).

Submissions and/or Measures before and During Operation of the Project

Measures and Submission for Mitigating Landscape and Visual Impact before Operation of the Project

- 2.5 The landscape and visual mitigation measures shall be fully and properly implemented in accordance with the recommendations of the Landscape and Visual Mitigation Plan(s) approved under condition 2.4 above.
- 2.6 The Permit Holder shall, at least one month before the commencement of the operation of the Project, deposit with the Director four hard copies and one electronic copy of the As-Built Drawing(s) of the Project, which shall be certified by the ET Leader and verified by the IEC as conforming to the recommendations of the Landscape and Visual Mitigation Plan(s) approved under condition 2.4 above. The landscape and visual mitigation measures shall be properly maintained during operation of the

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Project.

Measures for Mitigating Odour Impact during Operation of the Project

- 2.7 All refuse collection vehicles shall be emptied of refuse prior to entering the Project.
- 2.8 To mitigate operational odour impact arising from the vehicle washing bays and the maintenance workshops of the Project:
 - the washing bays and maintenance workshops shall be enclosed in 3 sides and served with (a) mechanical ventilations to maintain with proper negative air pressure at all times during the washing bays and maintenance workshops operation; and
 - (b) a deodorisation system, with an odour removal efficiency of at least 85%, shall be installed, operated and properly maintained at the ventilation system prior to discharging any vented air outside the Project.

Measures for Mitigating Noise Impact during Operation of the Project

- 2.9 To mitigate operational noise impact from the repair activities from the vehicles, the following measures shall be implemented:
 - (a) all vehicle repair activities shall be limited to 0700 to 1900 hours only; and
 - all vehicle repair activities shall be carried out within the covered area of the transport workshop (b) section on ground floor of the Project as shown in Figure 2.
- 2.10 To minimise off-site traffic noise impact arising from the operation of the Project, all vehicles coming in or out of the Project shall use the in-bound and out-bound traffic routing as shown in Figure 3.

3. Environmental Monitoring and Audit Requirements

- 3.1 The EM&A programme shall be implemented in accordance with the procedures and requirements as set out in the EM&A Manual. Any change to the EM&A requirements or programme shall be justified by the ET Leader and verified by the IEC as conforming to the relevant requirements set out in the EM&A Manual and shall seek the prior approval from the Director before implementation.
- Samples, measurements and necessary remedial actions shall be taken in accordance with the 3.2 requirements of the EM&A Manual by:
 - conducting baseline environmental monitoring; (a)
 - (b) conducting impact monitoring;
 - (c) carrying out remedial actions described in Event/Action Plans of the EM&A Manual in accordance with the time frames set out in Event/Action Plans, or as agreed by the Director, in case where specified criteria in the EM&A Manual are exceeded; and
 - logging and keeping records of details of all parameters within 3 working days of the collection of data or completion of remedial action(s), for the purpose of preparing and submitting the monthly EM&A Reports and to make available for inspection on site.
- 3.3 Four hard copies and one electronic copy of the Baseline Monitoring Report shall be submitted to the Director at least 2 weeks before the commencement of construction of the Project. The submissions shall be certified by the ET Leader and verified by the IEC as complied with the requirements as set out in the EM&A Manual before submission to the Director. Additional copies of the submission shall be

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provided upon request by the Director.

- 3.4 Four hard copies and one electronic copy of monthly EM&A Report shall be submitted to the Director within 10 working days after the end of each reporting month throughout the entire construction period. The monthly EM&A Reports shall include a summary of all non-compliance. The submissions shall be certified by the ET Leader and verified by the IEC as complying with the requirements as set out in the EM&A Manual before submission to the Director. Additional copies of submission shall be provided upon request by the Director.
- 3.5 All EM&A data submitted under this Permit shall be true, valid and correct.

4. Electronic Reporting of EM&A Information

- 4.1 To facilitate public inspection of EM&A Reports via the EIAO Internet Website and at the EIAO Register Office, electronic copies of these Reports shall be prepared in Hyper Text Markup Language (HTML) (version 4.0 or later) and in Portable Document Format (PDF version 1.3 or later), unless otherwise agreed by the Director and shall be submitted at the same time as the hardcopies as described in Condition 3.3 and 3.4 of this Permit. For the HTML version, a content page capable of providing hyperlink to each section and sub-section of these Reports shall be included in the beginning of the document. Hyperlinks to all figures, drawings and tables in these Reports shall be provided in the main text from where the respective references are made. All graphics in these Reports shall be in interlaced GIF format unless otherwise agreed by the Director. The content of the electronic copies of these Reports must be the same as the hardcopies.
- 4.2 The Permit Holder shall, within six weeks after the commencement of construction of the Project, set up a dedicated web site and notify the Director in writing the Internet address where the environmental monitoring and project data is to be placed. All environmental monitoring data described in Condition 4.1 above shall be made available to the public via a dedicated web site to be set up by the Permit Holder in the shortest practicable time and in no event later than two weeks after the relevant environmental monitoring data are collected or become available, unless otherwise agreed with the Director. The Permit Holder shall maintain the dedicated website for public access of the environmental monitoring data and reports throughout the construction period of the Project, or otherwise as agreed by the Director.
- 4.3 The Internet website as described in Condition 4.2 above shall enable user-friendly public access to the monitoring and project data including the Project Profile, the approved EIA Report, the Environmental Permit(s) and all finalised submissions required under this Permit. The Internet website shall have features capable of:
 - (a) providing access to all environmental monitoring data collected since the commencement of works;
 - (b) providing access to all finalized submissions as required under this Permit;
 - (c) searching by date;
 - (d) searching by types of monitoring data; and
 - (e) hyperlinks to relevant monitoring data after searching;

or otherwise as agreed by the Director.

Table 1: Recommended Tree Species for Tree Compensation on Ground Floor*

Tree Species suitable for Ground Floor Planting						
Ailanthus fordii (Ailanthus)	Melaleuca quinquenervia (Paper-bark tree)					

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Bauhinia purpurea (Hong Kong orchid tree)

Cassia surattensis (Sunshine Tree)

Grevillea robusta (Silky Oak)

Plumeria rubra (Red Frangipani)

Terminalia mantaly (Madagascar Almond)

Table 2: Recommended Tree Species for Tree Compensation on Roof Garden*

1	Tree/Large Shrub Species suitable for Green	Roof Planting				
	Cassia surattensis (Sunshine Tree)	Osmanthus fragrans (Sweet Osmanthus)				
	Lagerstroemia indica (Crape-myrtle)	Plumeria rubra (Red Frangipani)				

^{*}Based on Tree Assessment Schedule in EIA Report Appendix 8-5

Notes:

註:

 This Permit consists of three parts, namely, <u>Part A</u> (Main Permit), <u>Part B</u> (Description of Designated Project) and <u>Part C</u> (Permit Conditions). Any person relying on this permit should obtain independent legal advice on the legal implications under the EIAO, and the following notes are for general information only.

本許可證共有3部,即<u>A部(許可證主要部分);B部(指定工程項目的說明)及C部(許可證條件)。</u> 任何援引本許可證的人士須就環評條例的法律含意徵詢獨立法律意見,下述註解只供一般參考 用。

- 2. If there is a breach of any conditions of this Permit, the Director or his authorized officer may, with the consent of the Secretary for the Environment, order the cessation of associated work until the remedial action is taken in respect of the resultant environmental damage, and in that case the Permit Holder shall not carry out any associated works without the permission of the Director or his authorized officer. 如違反本許可證的任何條件,署長或獲授權人員徵得環境局局長的同意後可勒令停止相關工程,直至許可證持有人為所造成的環境損害採取補救行動為止。在此情況下,許可證持有人未經署長或獲授權人員同意,不得進行任何相關工程。
- 3. The Permit Holder may apply under Section 13 of the EIAO to the Director for a variation of the conditions of this Permit. The Permit Holder shall replace the original permit displayed on the Project site by the amended permit. 許可證持有人可根據環評條例第13條的規定向署長申請更改本許可證的條件。許可證持有人須把經修改的許可證替換在工程項目工地內展示的原有許可證。
- 4. A person who assumes the responsibility for the whole or a part of the designated project(s) may, before he assumes responsibility of the designated project(s), apply under Section 12 of the EIAO to the Director for a further environmental permit. 承擔工程項目整項或部分工程的責任的人,在承擔責任之前,可根據環評條例第12條的規定向署
 - 事增工程項目整項或部分工程的頁柱的人, 任事擔頁往之則, 可根據壞評條例第12條的規定回者 長申請新的環境許可證。
- 5. Under Section 14 of the EIAO, the Director may with the consent of the Secretary for the Environment, suspend, vary or cancel this Permit. The suspended, varied or cancelled Permit shall be removed from display at the Project site.
 根據環評條例第14條的規定,署長可在環境局局長的同意下暫時吊銷、更改或取消本許可證。遭暫時吊銷、更改或取消的許可證必須從工程項目工地除下,不再展示。
- If this Permit is cancelled or surrendered during construction or operation of the Project, another
 environmental permit must be obtained under the EIAO before the Project could be continued. It is an
 offence under Section 26(1) of the EIAO to construct or operate a designated project listed in Part 1 of

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Schedule 2 of the EIAO without a valid environmental permit.

如果本許可證在工程項目建造或營辦期間取消或交回,則在繼續進行工程項目之前,必須先根據 環評條例規定取得另一份環境許可證。根據環評條例第26(1)條的規定,任何人在沒有有效環境許 可證的情況下建造或營辦環評條例附表2第1部所列明的指定工程項目,即屬犯罪。

- Any person who constructs or operates the Project contrary to the conditions in the Permit, and is convicted of an offence under the EIAO, is liable: 如任何人在違反本許可證的條件下建造或營辦工程項目,根據環評條例,即屬犯罪-
 - (i) on a first conviction on indictment to a fine of \$2 million and to imprisonment for 6 months;
 一經循公訴程序首次定罪,可感罰款200萬元及監禁6個月;
 - on a second or subsequent conviction on indictment to a fine of \$5 million and to imprisonment for 2 years;
 - 一經循公訴程序第二次或其後每次定罪,可處罰款500萬元及監禁2年;
 - (iii) on a first summary conviction to a fine at level 6 and to imprisonment for 6 months;一經循簡易程序首次定罪,可處第6級罰款及監禁6個月;
 - (iv) on a second or subsequent summary conviction to a fine of \$1 million and to imprisonment for 1 year; and
 - 一經循簡易程序第二次或其後每次定罪,可處罰款100萬元及監禁1年;及
 - in any case where the offence is of a continuing nature, the court or magistrate may impose a
 fine of \$10,000 for each day on which he is satisfied the offence continued.

 在任何情況下如該罪行屬連續性質,法院或裁判官可就其信納該罪行連續的每一天另處罰款10,000元。
- 8. The Permit Holder may appeal against any condition of this Permit under Section 17 of the EIAO within 30 days of receipt of this Permit.
 許可證持有人可在接獲本許可證後30天內,根據環評條例第17條就本許可證的任何條件提出上訴。
- 9. The Notes are for general reference only and that the Permit Holder should refer to the EIAO for details and seek independent legal advice.

 上述註解只供一般參考用,欲知有關詳情,許可證持有人須參閱環評條例及徵詢獨立法律意見。

Environmental Permit No. EP-454/2013

環境許可證編號EP-454/2013

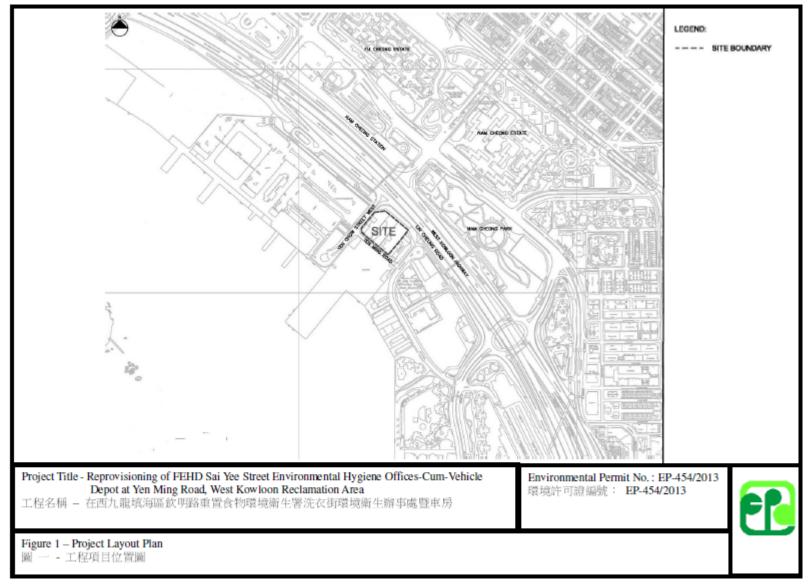
Figure 1 | Figure 2 | Figure 3

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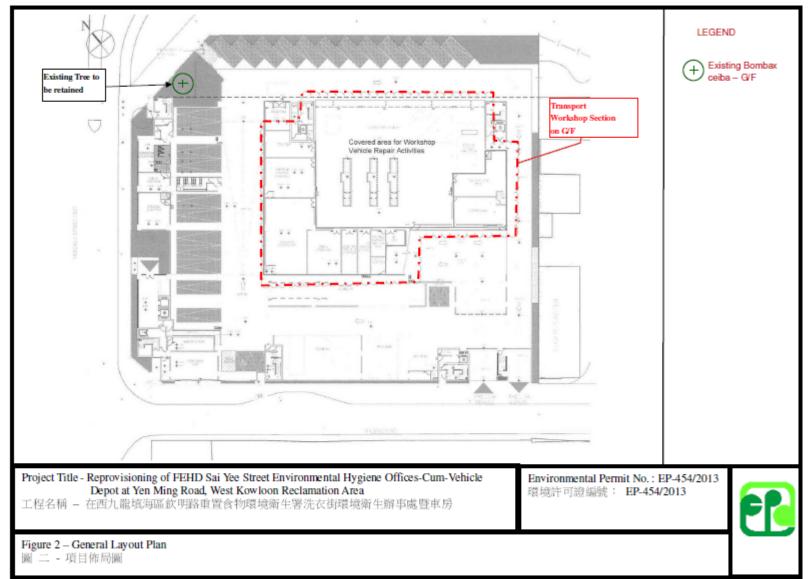
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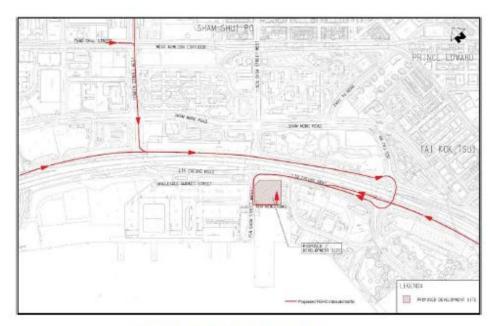
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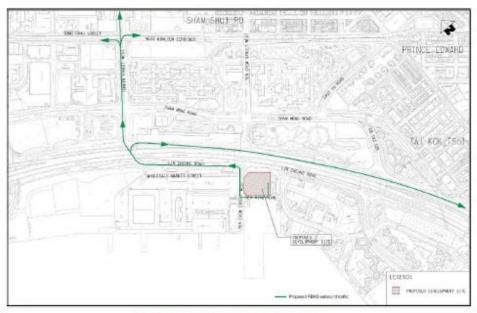


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IN-BOUND TRAFFIC ROUTING



OUT-BOUND TRAFFIC ROUTING

Project Title - Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-Cum-Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area

工程名稱 - 在西九龍填海區欽明路重置食物環境衛生署洗衣街環境衛生辦事處暨車房

Figure 3 – In-bound and Out-bound Routing of the FEHD Traffic 圖 三 - 食物環境衛生署的車隊出入路線

Environmental Permit No.: EP-454/2013 環境許可證編號: EP-454/2013



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本署檔號 Our Ref:

來函檔號 EP482/269A/0017/I/164099

Your Ref. Tel. No.:

電子郵件 E-Mail:

Homepage: http://www.epd.gov.hk/

Environmental Protection Department Environmental Compliance Division Regional Office (East)

> 5th Floor, Nan Fung Commercial Centre, 19 Lam Lok Street, Kowloon Bay, Kowloon, Hong Kong.

PECEIVE 1 - 2 FEB 2218

BY:----

環境保護署 環保法規管理科 區域辦事處(東) 香港九龍九龍灣縣樂街 十九號南豐商業中心五樓

CE KKFU/Telemix

BY REGISTERED POST

China Road and Bridge Corporation Flat 07-11, 23A/F., K. Wah Centre, 191 Java Road, North Point, Hong Kong (Attn.: Chung Wai Hoi)

Dear Sir / Madam,

Water Pollution Control Ordinance (WPCO)

Junk Bay / Port Shelter / Mirs Bay / Eastern Buffer / Victoria Harbour (Phase I / II)

Water Control Zone

Application for a licence to discharge from

Construction Site of Reprovisioning of Food and Environmental Hygiene Department
Sai Yee Street Environmental Hygiene Offices-Cum-Vehicle Depot at Yen Ming Road,
West Kowloon Reclamation Area

In response to your above application dated <u>11 December 2015</u>, I enclose herewith a licence granted under the WPCO.

The granting of the licence <u>does not</u> imply that your discharge has complied with the licence's requirements. You should therefore read the terms and conditions of the licence carefully, particularly regarding the place, quality and rate of discharge as well as the sampling, treatment, disposal and site management requirements and ensure that they are fulfilled.

If there is any uncertainty about the terms and conditions of the licence, please contact Ms Y L TSANG at Tel. 2117 7546. If that is not resolvable, you may lodge an appeal in the prescribed manner and form with the Water Pollution Control Appeal Board within 21 days after receipt of the licence.

Thank you for your effort in protecting the environment.

Yours faithfully,

(CHAN Kin Ki)
Environmental Protection Officer
Regional Office (East)

Environmental Compliance Division for Director of Environmental Protection

REC <u>Encl.</u>DAPER

The Original WPCO Licence

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掛號函件

先生/女士:

水污染管制條例 將軍澳 / 牛尾海 / 大鵬灣 / 東部緩衝區 / 維多利亞港 (第一 / 二期) 水質管制區

<u>申領牌照於西九龍填海區欽明路重置食物環境衛生署洗衣街環境衛生辦事處暨車房</u> <u>之建築地盤排放污水</u>

有關你於 <u>2015年12月11日</u> 就上址申領污水排放牌照,本署現在附上按上述條例簽發的牌照,請你查收。

發出這牌照並非代表你的排放已符合牌照上的要求,你必須細閱牌照的條文和 條款,確保排放點、污水成份和流量、與及抽取樣本、處理設施、棄置及設施管理方 面能符合牌照要求。

若你就牌照的條文及條款有任何疑問,請致電 <u>2117 7546</u> 與 <u>曾玉玲</u>小姐聯絡。如未能解決,你亦可在領到牌照後二十一日內,以指定的方式和表格,向水污染管制上訴委員會提出上訴。

多謝你致力保護環境。

環境保護署署長 環保法規管理科 區域辦事處(東) (環境保護主任 陳健基 代行)

年 月 日

隨函附件:水污染管制牌照正本

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Licence No.: WT00023331-2015

This Licence is Valid to :31 January 2021 本牌照有效期至: 二〇二一年-月三十-8

ENVIRONMENTAL PROTECTION DEPARTMENT 環境保護署

WATER POLLUTION CONTROL ORDINANCE (CAP. 358) 水污染管制條例(第358章)

LICENCE PURSUANT TO SECTION 15/20/23A* 按第15 / 20 / 23A*條簽發的牌照

The Director of Environmental Protection ("the Authority") grants this licence under the Water Pollution Control Ordinance ("the Ordinance") on the terms and conditions stated below.

環境保護署署長(「監督」)按下列的條款及條件,根據水污染管制條例(「本條例」)批給此牌照。

22 January 2016

Date (CHAN Kin Ki)
日期 For the Authority
監督 (陳健基代行)

PARTA 甲部 : GENERAL TERMS 一般條款

Name of Licensee ("the Licensee")	China Road and Bridge Corporation					
持牌人名稱 (「持牌人」)	中國路橋工程有限責任公司					
Discharge Premises ("the premises") 排放處所(「處所」)	Construction Site of Reprovisioning of Food and Environmental Hygiene Department Sai Yee Street Environmental Hygiene Offices-Cum-Vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area (See Annex) 西九龍填海區欽明路重置食物環境衛生署洗衣街環境衛生辦事處暨車房之建築地盤(參考附件)					
Water Control Zone	Victoria Harbour (Phase II)					
水質管制區	維多利亞港(第二期)					
Discharge Category	Discharge of Industrial/ Commercial / Institutional* Trade Effluent					
排 放 種 類	工業 /商業 /機構 *污水排放					
Nature of Discharge and Wastewater Treatment Facilities 排放性質及廢水處理設施	Effluent arising from construction site 由建築工程所產生的廢水 Sedimentation Tank 沉澱池					
Discharge Point(s)	Discharge into communal storm water drain					
排 放 點	排放入公用雨水渠					
Sampling Point(s) 取 樣 點	Sampling point at discharge outlet of the treatment facilities 取樣點位於處理設施之出水口					

*Delete as appropriate 将不適用者酬去

Reference No. 参考编號 EP482/269A/0017/I/164099

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SPECIFIC CONDITIONS 特別條件 PARTB 乙部

B1. Limitations on Discharge 排放限制

The quantity and composition of any discharge from the premises shall not exceed the limits stated in the table below^(Note a). All figures are upper limits unless otherwise indicated. All units are expressed as concentration in milligramme per litre unless otherwise stated.

任何源自處所之排放的量和成份不得超過下表所列的限度。除另予表明外,所有數字均為上限。除另予說明 外,所有單位均以毫克/升的濃度表示。

外,所有单位对从电池方面	
Determinand 測量物	Limit 限度
Flow Rate (m³/day)	20
流量 (立方米 / 日)	30
Suspended Solids 懸浮固體	80
Chemical Oxygen Demand 化學需氧量	
pH (pH units) 酸鹼值(pH 單位)	6-9#
SEX 4500 PEP (L	

[#]Range 上下限

B2. Self-monitoring and Reporting 自行監測及報告

elt-l	monitoring and Reporting
/	the season self monitoring as and when required by the Authority.
V	The Licensee shall perform self-monitoring as and when required by the Authority.
Land	持牌人須在監督要求時進行自行監測。

持牌人須仕監督女不時返り日刊 The Licensee shall sample the discharge a analyses in accordance with the sample	t the S	ampli and	ng Po meas	int(s) and urement	d, at his ov frequency	on expense specified	for 6	out each
determinand named below:-				ザーム分で	4口,稻亩,	5 容予以分标	Fr o	

持牌人須在取樣點為排放抽取樣本,並依照下列指定的測量物、取樣形式及頻率,自資予以分析。

Determinand 測量物

Unit 單位

Sample Type 取樣形式

Frequency 頻率

Results of these monitoring shall be summarized in a report on a monthly/bi-monthly/quarterly* basis and shall be submitted to the Authority.

所有監測結果須以摘要形式,每一個月/兩個月/三個月*作出紀錄,並呈交審閱。

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PART C 丙部 : STANDARD CONDITIONS 標準條件

C1. The Discharge 排放

- The discharge shall not contain polychlorinated biphenyls (PCB), polyaromatic hydrocarbon (PAH), fumigant, pesticide or toxicant, chlorinated hydrocarbons, flammable or toxic solvents, calcium carbide; any substance likely to damage the sewer or to interfere with any of the treatment processes, or to be harmful to the health and safety of any personnel engaged in the operation or maintenance of a sewerage system; waste liable to form scum or deposits in any part of the drainage or sewerage system, or the waters of Hong Kong; waste liable to form discolouration in any parts of the waters of Hong Kong; sludge, floatable substances or solids larger than 10 mm; and sludge or solid refuse of any kind. 排放不得含有多氯聯苯、聚芳烴、薰蒸劑、殺蟲劑或毒劑、氯化烴、可燃的或有毒的溶劑、碳化鈣;會損毀污水渠結構或干擾任何處理程序的物質,或有損操作及維修排污系統人員健康及安全的任何物質;足以在排水或排污系統,或香港水域任何範圍內形成浮渣或沉積物的廢物;足以在香港水域任何範圍內形成變色的廢物;污泥、漂浮物質或體積超越10毫米的固體;及任何種類的污泥或固體垃圾。
- C1.2 No discharge shall bypass the wastewater treatment facilities, the Sampling Point(s) or the Discharge Point(s) unless it is unavoidable to prevent loss of life, personal injury or severe property damage or no feasible alternative exists.

 除非避免人命傷亡或嚴重財物損失或無其他可行代替辦法,排放不得繞流不經其廢水處理設施,取樣點或排放點。
- C1.3 Dilution of the discharge to achieve compliance with the limits contained in this licence is prohibited. 不得將排放稀釋,以求達到本牌照內所訂的限度。

C2. Flow Measurement 量度流量

The Licensee shall determine the flow rate of the discharge by installing, operating and maintaining a continuous flow measuring device with an accuracy certified by its manufacturer to be within plus or minus 3 percent of the actual flow, and calibrating the flow measuring device regularly according to manufacturer's recommendations. If no such device is installed, the Licensee shall determine the flow rate through using calculation methods agreed by the Authority, by making reference to the amount of water used in the premises being served by mains supply and other sources, less process consumption and any other losses.

持牌人必須設置、操作及保養一個連續性流量計作為測定排放的流量率之方法,其準確程度須經製造商證實為不 超逾或低於真正流量的3%,並應根據製造商建議的方法,定期校準流量計。如沒有設置該設備,持牌人須依照 監督同意的計算方法,根據處所由自來水及其他水源供應的總用水量減去工序耗水量及其他耗水量來測定流量 率。

C3. Treatment 處理

- C3.1 The Licensee shall provide necessary wastewater treatment facilities, and shall engage personnel with adequate qualification and experience to properly operate and maintain all wastewater treatment facilities at all times. Standby equipment shall be provided to guard against failure of major treatment equipment.
 - 持牌人須提供必需的廢水處理設施,並須僱用有足夠資格及經驗的人士,時常妥善操作及保養所有廢水處 理設施。主要處理設施須配有後備裝置,以應付故障發生。
- C3.2 In the event of loss of efficiency of operation, or failure of all or part of the wastewater treatment facility, the Licensee shall take all reasonable steps to the extent necessary to maintain compliance with this licence. Such steps shall remain until operation of the wastewater treatment facility is restored or an alternative method of treatment is provided.
 - 倘若部份或整個廢水處理設施操作失靈或發生故障,持牌人須採取所有必要的合理措施,以求達到符合本 牌照的規定。此等措施須維持至廢水處理設施恢復如常操作或有其他代替的處理方法可供採用為止。
- C3.3 If the wastewater treatment facilities are not properly operated and maintained to the satisfaction of the Authority, the Licensee shall take immediate and effective remedial actions as required by the Authority.
 - 倘若廢水處理設施的操作及保養未能令監督滿意,持牌人須按監督之規定,採取即時及有效的補救行動。

C4. Disposal 棄置

Sludges, screenings, solids, oil and grease, filter backwash, or other pollutants removed in the course of treatment shall be disposed of in a proper manner (Note b & c).

處理過程中所產生的污泥、隔濾物、固體、油脂、過濾器回洗或其他污染物,必須妥善地棄置(附底) 8.

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C5. Monitoring 監測

- C5.1 The Licensee shall provide and maintain suitable facility such as an inspection chamber, manhole or sampling valve at each Sampling Point to enable duly authorized officer(s) of the Authority to take samples of the discharge at any time from the premises.
 - 持牌人須在每一個取樣點提供及保養適當的設施,例如檢查槽,沙井或取樣閥,以確保獲監督授權的人員 隨時可在處所內抽取排放樣本。
- C5.2 For self-monitoring, "grab samples" shall be taken during the period when the determinand to be analyzed for is likely to be present in its maximum concentration. "Composite samples" shall include samples taken over daily duration of the discharge.
 - 在自行監測中,「隨意取集樣本」須在測量物的濃度很可能是最高的那段時間內抽取。「綜合樣本」須包 含在每日排放期間不同時候所抽取的樣本。
- C5.3 For self-monitoring, all samples shall be analyzed in accordance with the most updated analytical methods used by the Government Chemist (Note d).
 - 在自行監測中,所有樣本均須按照政府化驗師所採用的最新分析方法予以分析「MEG)。

C6. Records and Reporting 紀錄及報告

C6.1 The Licensee shall keep the following records in the premises for inspection by duly authorized officer(s) of the Authority:

持牌人須在處所內保存下列紀錄,以備獲監督授權的人員隨時查閱:

- (i) records of flow rate, nature and composition of the discharge; 排放流量率、性質及成份的紀錄;
- (ii) updated records of all monitoring information, including all laboratory analytical results relating to samples taken, all original chart recordings for continuous flow and pH monitoring; and 所有最新監測資料的紀錄,包括所有關於已取樣本的檢驗分析結果、所有連續性流量及酸鹼值監測 記錄圖表的正本;及
- (iii) records of all desludging and degreasing operation, and records of corresponding disposal

所有清除污泥和清理隔油池廢物工序的紀錄,及其棄置工序的紀錄。

Copies of all such records shall be submitted to the Authority upon request. 在監督要求時,須向監督呈交所有該等紀錄的副本。

C6.2 The Licensee shall notify and explain to the Authority within 24 hours upon the occurrence of an accidental discharge or any emergency bypass or an overflow of untreated effluent or an operation upset which places the discharge in a temporary state of non-compliance with this licence. The Licensee shall within 7 days following the incident, submit to the Authority a detailed report in writing on the cause and duration of the non-compliance and steps taken or to be taken to reduce, eliminate, or prevent recurrence of such non-compliance. Reporting in accordance with this Condition does not relieve the Licensee of any obligations imposed by this licence.

倘若有未經處理的污水意外排放、緊急繞流或溢滿的事件或操作失靈,引至排放出現短暫不符合牌照規定 的情況,持牌人須在事發後 24 小時內立即知會監督並予以解釋。持牌人須在事故發生後 7 天內,以書面 報告,詳述事件的起因、違反牌照條件的時間及為減少、消除或防止類似事件再次發生所採取或將會採取 的措施,送交監督審閱。然而,按照本條件的規定提交報告並不表示持牌人可獲免除承擔本牌照內所載的 任何責任。

C7. Operation Manual 操作手册

The Licensee shall prepare an operation manual which shall include, as a minimum, operating procedures, inspection programme and repair and maintenance programme for the wastewater treatment facilities. The operation manual shall be kept at the aforesaid wastewater treatment facilities and a copy of the manual shall be submitted to the Authority upon request.

持牌人須擬備廢水處理設施的操作手冊。手冊內容須最低限度包括操作程序、檢查、維修及保養工作計劃表。該 手冊須保存在上述廢水處理設施內。持牌人須在監督要求時,呈交手冊副本乙份。

C8. Notification of Change 更改通知

The Licensee shall notify the Authority in writing within 14 days of any changes or proposed changes in the processes of manufacture or the nature of the raw materials used or of any other circumstances which may alter the nature and composition of the discharge or may result in the permanent cessation of the discharge

倘若持牌人更改或擬更改其生產程序、或所用原料的性質、或有其他足以改變其排放的性質及成份或可導致永久 性終止排放的事情,必須在14日內以書面通知監督。

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Notes 附註

- (a) For the purposes of determining compliance with the limits stated in Specific Condition B1, samples shall be taken by the duly authorized officer(s) of the Authority at the Sampling Point(s) or any other points from which the samples so taken are regarded by the Authority as being representative of the quality of the discharge. When any single sample analyzed for a determinand is proved not complying with corresponding limit set out in the table, the discharge is deemed to have failed to comply with Specific Condition B1.
 - 品確定排放是否符合特別條件第 B1 項內所列的限度,獲監督授權的人員須在取樣點或在監督認為可以抽取到具代表性的樣本的任何其他位置抽取樣本。只要在任何一個經分析的樣本中,證實任何一個測量物不符合表中所列的相應限度時,排放即被視為不符合特別條件第 B1 項。
- (b) An example of proper disposal method for sludge is sending dewatered sludge to landfill for disposal. 妥善棄置污泥方法中的一個例子是將脫水後的污泥運往堆填區棄置。
- Proper disposal of grease trap waste includes but is not limited to employing any reputable firm or collector who will use the right equipment and dispose of the collected grease trap waste at West Kowloon Transfer Station. The updated list of grease trap waste collectors who are using the disposal service at West Kowloon Transfer Station is maintained in the EPD website and Green Restaurant website.
 - 妥善的隔油池廢物棄置方法包括卻不限於聘用任何信譽良好的公司/收集商使用適當的設備在西九龍廢物轉運站棄置所收集的隔油池廢物。環保署網站及環保食肆網均載有目前使用西九龍廢物轉運站棄置隔油池廢物的收集商最新名單。
- (d) The Licensee may make reference to Annex 1 of the <Technical Memorandum on Effluent Standards> for analytical methods used by the Government Chemist. 持牌人可參照「流出物標準技術備忘錄」附件 1 有關政府化驗師所採用的分析方法。
- (e) The Licensee shall keep this licence in the premises and make it available at all times for inspection by duly authorized officer(s) of the Authority.

 持牌人須在處所內保存此牌照、以備獲監督授權的人員隨時查閱。
- (i) The Licensee shall allow duly authorized officer(s) of the Authority to enter the premises for the purposes of inspection, sampling, records examination or any other duties authorized by Section 37 and Section 38 of the Ordinance. 持牌人須准許獲監督授權的人員進入處所內進行檢查、抽取樣本、審查紀錄或執行其他根據本條例第 37 及第 38 條所授權的職務。
 - (ii) Where the premises has security measures in force which would require proper identification and clearance before entry, the Licensee shall make necessary arrangements such that upon presentation of evidence of identity and of authorization, duly authorized officer(s) will be permitted to enter, without delay, for the purposes of performing duties. 倘若由於處所的保安理由而需先行鑑定來人的身份,持牌人必須作出必要的安排,以便獲授權人員在出示身份證明及授權文件後,即可內進執行其職務而不致受延誤。
- (g) (i) For a licence granted under Section 15 of the Ordinance, the Licensee may, not less than 2 months before expiry of the licence, apply under Section 19 of the Ordinance for a new licence. The Authority may grant the licence or otherwise. 持有根據本條例第 15 條所批給牌照的人士,可於牌照屆滿前不少於 2 個月內,根據本條例第 19 條的規定,申請一面新牌照。監督可批給或拒絕批給牌照。
 - (ii) For a licence granted under Section 20 or 23A of the Ordinance, the Licensee may, not more than 4 months and not less than 2 months before expiry of the licence, apply under Section 23 or 23A respectively of the Ordinance for renewal of licence. The Authority may renew the licence or otherwise. 持有根據本條例第 20 條或第 23 A 條所批給牌照的人士,可於牌照屆滿前不多於 4 個月及不少於 2 個月內,根據本條例的第 23 或 23 A 條的規定,申請牌照續期。監督可將牌照續期或拒絕將牌照續期。
- (h) Under Section 24 of the Ordinance, the Authority may by notice in writing, impose new or amended terms and conditions on this licence or cancel this licence. Under Section 25, 26 and 27 of the Ordinance, a Licensee whose licence has been so varied or cancelled may be entitled to compensation.

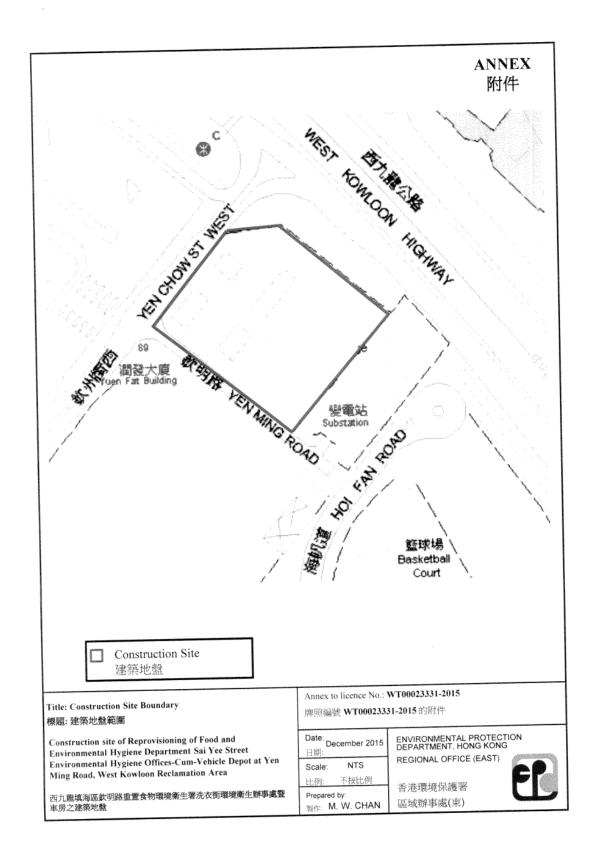
 根據本條例第 24 條的規定,監督可以書面通知,向本牌照施加新訂或經修訂的條款及條件,或取消本牌照。根據本條例第 25、26 及 27 條的規定,被更改或取消牌照的持牌人可能會獲得補償。
- (i) Under Section 28 of the Ordinance, the Licensee may apply to the Authority for a variation of this licence. 根據本條例第 28 條的規定,持牌人可向監督申請更改本牌照。
- (j) Under Section 49 of the Ordinance, this licence shall not be construed as a dispensation from the requirements of any other Ordinance except where that other Ordinance so provides. 根據本條例第 49 條的規定,本牌照並不得解釋為豁免符合任何其他條例的規定,除非該其他條例如此訂定。
- (k) The licensee should ensure good practice is carried out in dealing with discharges from the construction site. The licensee should make reference to the EPD's Practice Note for Professional Persons, No. PN 1/94, "Construction Site Drainage". 持牌人須確保妥善處理地盤之去水排放。持牌人可参考環保署印發之 Practice Note for Professional Persons, 編號 PN 1/94, "Construction Site Drainage".

EPD156

- 5 -

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環境保護署

環保法規管理科

香港九龍九龍漫臨樂街

十九號南豐商菜中心五樓

(c) Chemical Waste Producer Registeration

中期情號 Our Ref: 來函館號 Your Ref: 電 話 Tel. No.: 國文傳寫 Fax No.: 2756 8588 電子即作 E-Mail:

明 地 Homepage: http://www.epd.gov.hk/

By Registered Post

Environmental Protection Department Environmental Compliance Division Regional Office (East)

5th Floor, Nan Fung Commercial Centre, 19 Lam Lok Street, Kowloon Bay, Kowloon, Hong Kong.

receive) K

NORTH POINT, HONG KONG

BY:----

CHINA ROAD AND BRIDGE CORPORATION FLAT 07-11, 23A/F., K.WAH CENTRE, 191 JAVA ROAD,

Dear Sir/Madam,

Waste Disposal Ordinance (Cap. 354)
Waste Disposal (Chemical Waste) (General) Regulation
Registration as a Chemical Waste Producer
Completion of Registration

I am pleased to inform you that your registration with this department as a chemical waste producer has been completed.

The assigned Waste Producer Number (WPN) and the particulars of your establishment are printed in the enclosed form (EPD 130). If you consider there are any discrepancies about the particulars, please notify me immediately, quoting the assigned WPN.

The "EPD 130" is an important document, please archive appropriately. This registration is not transferable and will be valid only in respect of the applicant and the premises registered. In future when there is change in the registration particulars, you should inform this department as soon as possible so that our record can be amended accordingly. Under section 7 of the above regulation, failure to notify this department of relevant changes is an offence and liable to a maximum fine of HK\$10,000.

For enquiries, please contact us at Tel 2117 7546.

Yours faithfully,

(CHAN Kin Ki)
Environmental Protection Officer
for Director of Environmental Protection

Encl.



Tel.: (852) 3563 7003 Fax: (852) 3563 7018 www.telemaxeem.com



Environmental Protection Department 環境保護署

Waste Disposal Ordinance (Chapter 354)

香港法例第354章廢物處置條例

Waste Disposal (Chemical Waste)(General) Regulation

		廢物處置(化學廢物)(一般)規例	
		Registration of Waste Producer	
_		廢物產生者登記證	
To: 酸	Chemical Waste Producer	Full Name (English) 全 名 (英 文) CHINA ROAD AND BRIDGE CORPORATION	
	化學廢物產 生者	(Chinese) 中國路橋工程有限責任公司 (中 文) 身份證號碼:(如有者) Business Reg. Cert. No. (if any)	_
		商業登記證號碼: (如有者) 16058447-000-08-15-A	_
		Address for Correspondence	_
		Tel. No. Fax No.	-
		電 話: <u>2283 1688</u> 圖文傳真: <u>2283 1689</u>	
1	Producer ur WPN <u> 5 2</u> isted below:	ce to your application dated <u>11 / 12 / 2015</u> for registration as a Wast der the Waste Disposal (Chemical Waste) (General) Regulation, the Waste Producer Number, <u> 1 3 - 2 6 9 - C 1 2 3 2 6 9 - C 1 2 3 2 6 9 - C 1 8 is assigned to you in respect of the location or premises 年 12 月 11 日 根據廢物處置(化學廢物)(一般)規例而來信,申請登記為廢物產生者,茲特配</u>	,
	n //: _2015 予廢物產生者		
	Location or Premises	Name of Establishment CHINA ROAD AND BRIDGE CORPORATION 機構名稱: 中國路橋工程有限責任公司	
	where the waste is produced	Business Reg. Cert. No. (if any) 商業登記證號碼: (如有者) 16058447-000-08-15-A Nature of Business	-
	產生廢物 的地點或 處所	業務性質: CONSTRUCTION SITE Major chemical waste types 主要化學廢物種類: SURPLUS PAINT, SPENT LUBRICATION OIL	-
		Address 地 並: REPROVISIONING OF FOOD AND ENVIRONMENTAL HYGIENE DEPARTMENT SAI YEE STREET ENVIRONMENTAL HYGIENE OFFICES-CUM-VEHICLE DEPOT AT YEN MING ROAD, WEST KOWLOON RECLAMATION AREA	-
L		(CHAN Kin Ki) for Director of Environmental Protectio 環境保護署署長 (陳健基 代行)	
		Date 日期 15 1 2016 The registered waste producer who fails to inform the Director of Environmental Protection of any	-0

WARNING: Any registered waste producer who fails to inform the Director of Environmental Protection of any change in his registration particulars commits an offence and is liable on conviction to a fine of \$10,000.

答告:任何已登記的廢物產生者,若其登記資料有任何改變而不知會環境保護署署長,即屬達法,被定罪者最高罰款 港幣10,000元。

EPD 130

(Nov 2012)

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(d) Billing Account for Disposal of Construction Waste

本署檔號 OUR REF.: RT01354 來函檔號 YOUR REF.:

電話 TEL. NO.: 2872 1769 图文傳真 FAX NO,: 2591 0361

HOMEPAGE: http://www.epd.gov.hk

Environmental Protection Department Environmental Infrastructure Division

> 88 Victoria Road, Kennedy Town, Hong Kong

環境保護署 環境基建科

域多利線 88 號

Monday, 21 December, 2015

CHINA ROAD AND BRIDGE CORPORATION FLAT 07-11, 23A/F, K. WAH CENTRE, 191 JAVA ROAD, NORTH POINT,

HONG KONG

Attn.: VINCENT CHUNG

Dear Sir/Madam,

SPIMIT.

Waste Disposal (Charges for Disposal of Construction Waste) Regulation Approval of Application for Billing Account (Construction work contract with value of \$1 million or above) Application No.: RT01354

I am pleased to inform you that your application for billing account for disposal of construction waste under the following construction work contract has been approved under Section 6 and 9 of the Waste Disposal (Charges for Disposal of Construction Waste) Regulation:

Contract No.: SS D505

Contract Name: REPROVISIONING OF FEHD SAI YEE STREET ENVIRONMENTAL HYGIENE OFFICES-CUM-VEHICLE DEPOT AT YEN MING ROAD, WEST KOWLOON RECLAMATION AREA (PROGRAMME NO. 182GK)

Construction Waste Generated Site: YEN MING ROAD, WEST KOWLOON RECLAMATION

The account number is 7024032. Please quote this account number for enquiries in relation to the billing account.

You are bound by the "Basic Conditions" and "Conditions of Use" accompanied with this account for disposal of construction waste at the prescribed facilities. You shall ensure that (a) the billing account established solely for the contract as stated above is used for paying any prescribed charge payable in respect of construction waste generated from construction work undertaken under the above contract; and (b) that billing account is not used for paying any prescribed charge payable in respect of any other construction waste not generated from construction work undertaken under the contract as stated above.

Regarding your application for issuance of chits, a demand note for the deposit required will be sent to you accordingly. Request for additional chits can be made using "Form 4". Please note that one chit is required for each load of construction waste to be disposed of at prescribed facility.

Should you have any queries, please contact us at 2872 1769.

Yours faithfully,

(C F Wong)

Principal Environmental Protection Office for Director of Environmental Protection













Our Ref: :

SSD505/SL/PTA/0441

Date:

22 December 2017

P&T Architects and Engineers Ltd.

33/F, 633 Kings Road, North Point, Hong Kong

Attn: Ms Clara Pang

Dear Madam,

Construction Noise Permit for CRBC (GW-RE0978-17)

(Contract No. SSD505)

Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Ming Road

- Enclosed please find the captioned Construction Noise Permit for CRBC (renewed on 18/12/2017) for your reference.
- 2. Should you have any queries, please feel free to contact me at 97793814.

Yours faithfully, For and on behalf of China Road and Bridge Corporation

SEFT

K K Fu (Site Agent)

c.c

(X)	ArchSD (SPM) - Mr Tse Lok Man	w/o Encl., E-mail
(X)	ArchSD (PM) - Mr Dick Wan	w/o Encl., E-mail + Hard copy
(X)	ArchSD (COW) - Mr W Y Choi	w/o Encl., E-mail
(X)	ArchSD (ER-BSI) - Mr M W Ho	w/o Encl., E-mail
(X)	ArchSD (TA) - Mr Charles Tang	w/o Encl., E-mail
(X)	PTS Group e-mail	With Encl, E-mail
(X)	PTME Group e-mail	With Encl, E-mail + Hard copy
()	AECOM (CDM/SRM)	w/o Encl., E-mail

(X)	AECOM (BEAM) - Group e-mail	With Encl., E-mail
(X)	AEC - Mr T K Ho	With Encl., E-mail
(X)	L&S Group e-mail	w/o Encl., E-mail
(X)	PTS – R.E. Mr. Alvin Lam	With Encl., E-mail
(X)	COW - Mr Marco Leung	With Encl., E-mail
(X)	BSI – Mr K C Pang	With Encl., E-mail
(X)	CRBC - Head Office	With Encl., E-mail
(X)	CRBC - Site Office	With Encl., E-mail







音港北角海草道 1 9 1 號嘉華園際中心 1 8 字權 1 8 0 5 至 1 0 室 Units 1005-10, 18年, K Wah Centre, 191 Java Road, North Point, Hong Kong, 電話 Tot: 862-2283 1 689 電子經第 E-mail: crbchk@crbc.com.hk
網達 Wabsite: www.crbc.com

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Tel.: (852) 3563 7003 Fax: (852) 3563 7018 www.telemaxeem.com



OUR REF: (4) in EP631/K03/RE423977-17

來函檔案 YOUR REF: 電 話

TEL NO: 2150 8017

圖文傳真

FAX NO: 2402 8275

網址

HOMEPAGE: http://www.epd.gov.hk

Environmental Protection Department Environmental Compliance Division Regional Office (East)

8/F., Cheung Sha Wan Government Offices 303 Cheung Sha Wan Road



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

Registered Post

18 December 2017

To:

China Road and Bridge Corporation Flat 07-11, 23A/F., K.Wah Centre, 191 Java Road, North Point, Hong Kong.

Dear Sirs,

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

I write to inform you that, under section 8(6) of the Noise Control Ordinance, the Authority has decided to issue a construction noise permit in respect of your application, which was received by the Authority on 04 December 2017, for the use of powered mechanical equipment for carrying out construction work at <u>Construction site at junction of Yen Chow Street West and Yen Ming Road, West Kowloon Reclamation Area, Mong Kok, Kowloon.</u>

The construction noise permit No. GW-RE0978-17 is enclosed.

You are advised to read the conditions of the permit carefully and to ensure compliance with these conditions. Any breaching of the conditions may lead to cancellation of the permit, subsequent prosecution action and the Authority's refusal to issue further permit for the above construction site.

Yours faithfully,

(YIP Ka Fan)

for Authority

Tel.: (852) 3563 7003 Fax: (852) 3563 7018 www.telemaxeem.com



(4) in EP631/K03/RE423977-17

2150 8017 2402 8275

掛號函件

致

香港 北角 渣華道 191 號

嘉華國際中心 23A 樓 07-11 室 中國路橋工程有限責任公司

執事先生:

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

本監督在二零一七年十二月四日接獲你擬於<u>九龍旺角西九龍填海區欽州街西與欽</u>明路交界的建築地盤,使用機動設備進行建築工程而提出的「建築噪音許可證」申請,現根據《噪音管制條例》第8(6)條的規定通知你,上述的申請已被批准。

隨函附上「第 GW-RE0978-17 號建築噪音許可證」。

請細閱許可證各項條件,確保遵守。如有違反,本監督可撤銷許可證、提出檢控及 拒絕再就上述地盤簽發任何「建築噪音許可證」。

些 枢

(葉嘉勲



代行)

二零一七年十二月十八日

Tel.: (852) 3563 7003 Fax: (852) 3563 7018 www.telemaxeem.com



[reg.5(a)]

FORM 3 NOISE CONTROL ORDINANCE (Chapter 400) SECTION 8(9)

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

ONS	TRUCTION NOISE PERMIT N	O. GW-RE0978-17		-	
o: Cl	hina Road and Bridge Corporation				
owered rescribe	astruction noise permit is issued in acc mechanical equipment for the purpo ed construction work, subject to the cor itions may result in the permit being car	se of carrying out construction we additions set out below. The carrying	ork other than percu g out of construction	ssive piling and/or	the carrying out
		CONDITIONS			
Con	nstruction site where the powered mecha	anical equipment and/or prescribed	construction work ma	av be employed :	
	l address : Construction site at junction				n Area, Mong
Kok	k, Kowloon			Lot No.:	
cons	site boundary, that is, the boundary of struction work may be carried out is del	lineated on the attached plan which			
* P/	ART/WHOLE of the site falls * WITHI	N/OUTSIDE a designated area.			
Pow	vered Mechanical Equipment				
a.	Items of powered mechanical equipme	ent which may be used inside the sit	e boundary:		
	Identification code of item of powered mechanical equipment (if applicable)	1	tion of item of chanical equipment		No. of units
		Refer to attached sheet			
				•	
	V-1: die - 6th	is Court to the court of the co	-f1 f1		
b. \	Validity of the construction noise perm		nicai equipment:		
	Date and time of commencement: Days and hours: 0000-2400 hours of	03 January 2018	atat	1900 hours	
	being a general holiday . [but note co		***		
	mechanical equipment is allowed]	miniati 3.4.1. oston loi no operat	ang nodis mann war	en me use of the a	JOYC HISICAL DOWNER
	This part of the permit expires on :	30 June 2018	at	2300 hours	
	One photograph, endorsed by the Au permit is required to be kept on the co- Other conditions imposed on the use of	nstruction site and made available f	or inspection by the		s construction no
	Refer to attached sheet			-	

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4. Prescribed Construction Work

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

Identification code of type of prescribed construction work	Description of type of prescribed construction work
	Nil

	toise bernin for	the carrying out of the prescrib	ad construction was	arle:
Date and time of commencer	102.5	03 January 2018		1900 hours
	-		v), 0000-0700 hou	rs and 1900-2400 hours on any day
being a general holiday.			***************************************	
This part of the permit expire	es on :	30 June 2018	at	2300 hours
	ork-described i	in this permit. The layout plan		e locations permitted for the carrying I to be kept on the construction site
Other conditions imposed on	the carrying or	ut of the prescribed construction	work:	
	a conv thereof	must be displayed on the const	nuction site at all w	abigular sita antrangas/avita for publ
s appeturation maior normals on	a copy thereof		***************************************	
s construction noise permit or formation.			**************************	
formation.				
		er 20 <u>17</u>		
s construction noise permit or				

* Delete as necessary

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表格 3 噪音管制條例 (第400章) 第8(9)條 [第5(a)條]

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

致	: 中國	國路橋工程有限責任公司								
左攀	弋打相		條例》第8條的規定而發出的。現准予使用機 進行訂明建築工程,但須受以下條件規限。若 且會受到檢控。							
			條件							
1.	可有	使用機動設備及/或進行訂明]建築工程的建築地盤:							
	詳	細地址:九龍旺角西九龍填海區	區欽州街西與欽明路交界的建築地盤。							
		盤範圍(即可使用機動設備及 則是本建築噪音許可證的一部	進行訂明建築工程的地方範圍)已描劃於夾附的 II分。	的圖則上,而該						
2.	該力	地盤部分/全部*位於指定範围	圍之內/ 外*。							
3.	機動	動設備								
	a .	在地盤範圍內可使用的各項	機動設備:							
		各項機動設備的識辨代碼 (如適用的話)	各項機動設備的說明	數目						
			參見附頁。							
		La romania de pri								
	b.	可使用機動設備的建築噪音	許可證有效期:							
		生效日期及時間:	二零一八年一月三日 下午七時							
	日期及時間: 公眾假日(包括星期日)的凌晨零時至晚上十二時,公眾假日以									
		日凌晨零時至上午七時及下午七時至晚上十二時【但須注意條件3.d.1.有田上列機動設備的時間】。								
				. 角. 颇. 马. 以. 以						
		用上列機動設備的時間】								
	с.	用上列機動設備的時間】 此部分許可證屆滿日期及時	間: 二零一八年六月三十日 晚上十一	時						
		用上列機動設備的時間】 此部分許可證屆滿日期及時 建築地盤須備有本建築噪音	間: 二零一八年六月三十日 晚上十一 日期 時間 許可證所述每件機動設備的照片各一幀,供監督	時						
		用上列機動設備的時間】 此部分許可證屆滿日期及時 建築地盤須備有本建築噪音 等照片須經監督認可。	間: 二零一八年六月三十日 晚上十一 日期 時間 許可證所述每件機動設備的照片各一幀,供監督	時						

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4. 訂明建築工程

訂明建築工程的識辨代碼	<i>司明建築工程</i>	的類別的說明
	無	
4		
可進行訂明建築工程的建築。	噪音許可證有效期:	
生效日期及時間:	二零一八年一月三日	下午七時
	括星期日)的凌晨零時至晚上十二時	
日凌晨零時至上午七時及下		
Street allign of marketing the second of the		
化 部 分 許 可 證 居 湛 口 粗 及 吱 [間: 二零一八年六月三十日	晚上十一時
此即为引引超越病自朔及引	日期	時間
+ \$\tau = 1 \text{ \ \text{ \t		公式四种效工和粉料
	的地盤圖則,以顯示本許可證准予 進	行訂明建築工程的地黑
該地盤圖則須存放於建築地盤	內地盤圖則,以顯示本許可證准予進 提供監督隨時查看。	行訂明建築工程的地黑
該地盤圖則須存放於建築地 規限進行訂明建築工程的其他 ————————————————————————————————————	的地盤圖則,以顯示本許可證准予進 提供監督隨時查看。 也條件:	
該地盤圖則須存放於建築地 規限進行訂明建築工程的其他 ——————————— 建築噪音許可證或其副本必須	內地盤圖則,以顯示本許可證准予進 提供監督隨時查看。	
該地盤圖則須存放於建築地 規限進行訂明建築工程的其他 ————————————————————————————————————	的地盤圖則,以顯示本許可證准予進 提供監督隨時查看。 也條件:	
該地盤圖則須存放於建築地 規限進行訂明建築工程的其他 ——————————— 建築噪音許可證或其副本必須	的地盤圖則,以顯示本許可證准予進 提供監督隨時查看。 也條件:	
該地盤圖則須存放於建築地 規限進行訂明建築工程的其他 ————————————— 建築噪音許可證或其副本必須	的地盤圖則,以顯示本許可證准予進 提供監督隨時查看。 也條件:	
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* 删去不適用者

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Page 1 of 2

Sheet attached to Construction Noise Permit No. <u>GW-RE0978-17</u>

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

Identification c powered m equipment (if	echanical	Description of item of powered mechanical equipment	No. of units	
Group A	CNP 044	Concrete lorry mixer	One	
	CNP 049	Crane, tower (electric)	One	
		Generator, with Quality Powered Mechanical Equipment Label showing a Sound Power Level of ≤ 99 dB(A)	One	
CNP 283		Water pump, submersible (electric)	Twenty	
Group B		Poker, vibratory, hand-held (electric)	Two	
	CNP 283	Water pump, submersible (electric)	Twenty	
Group C	CNP 283	Water pump, submersible (electric)	Twenty	

Signed:

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共二頁, 頁一

建築噪音許可證 編號 <u>GW-RE0978-17</u>的附頁

3.a. 在地盤範圍內可使用的各項機動設備:

	備的識辨代碼 用的話)	各項機動設備的說明				
A組	CNP 044	混凝土攪拌車	壹			
	CNP 049	起重機, 塔型 (電動)	壹			
ym I		發電機,備有優質機動設備標籤顯示聲功率級≤99 分貝(A)	壹			
	CNP 283	潛水泵 (電動)	貳拾			
B組		混凝土震動機,手提 (電動)	貢			
X.07	CNP 283	潛水泵 (電動)	貳拾			
C組	CNP 283	潛水泵 (電動)	貳拾			

嘉莊

簽署:

監督

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Page 2 of 2

Sheet attached to Construction Noise Permit No. GW-RE0978-17

- 3.d. Other conditions imposed on the use of the powered mechanical equipment:
 - The powered mechanical equipment listed in condition 3.a. shall only be operated during the hours shown below:

Group A to Group B	General holiday (including Sunday)	0700 – 2300 hours
Group A to Group B	Any day not being a general holiday	1900 – 2300 hours
Group C	Any day	2300 – 0700 hours on next day

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

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共二頁,頁二

建築噪音許可證 編號 <u>GW-RE0978-17</u>的附頁

- 3.d. 規限使用機動設備的其他條件:
 - 1. 祇可於以下時間內使用列在條件3.a.內的機動設備:

4 41 5 D 41	公眾假日(包括星期日)	上午七時至晚上十一時
A組至B組	公眾假日以外的任何一日	下午七時至晚上十一時
C組	任何一日	晚上十一時至翌日上午七時

2. 在任何時間內,祇可使用列在條件3.a.內的其中一組機動設備。

嘉莊

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監督 (葉嘉勲 代行)

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Photograph attached to Construction Noise Permit No. <u>GW-RE0978-17</u> 建築噪音許可證編號GW-RE0978-17的照片



CNP 044 Concrete lorry mixer 混凝土攪拌車



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Photograph attached to Construction Noise Permit No. <u>GW-RE0978-17</u> 建築噪音許可證編號GW-RE0978-17的照片





Generator, with Quality Powered Mechanical Equipment Label showing the Sound Power Level of \leq 99 dB(A)

發電機,備有優質機動設備標籤顯示聲功率級≤99分貝(A)

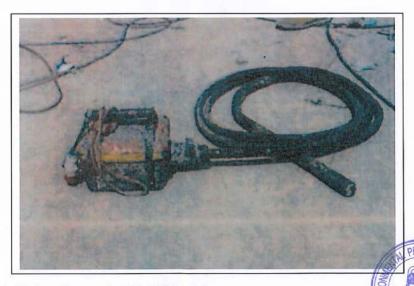
Tel.: (852) 3563 7003 Fax: (852) 3563 7018 www.telemaxeem.com



Photograph attached to Construction Noise Permit No. <u>GW-RE0978-17</u> 建築噪音許可證編號GW-RE0978-17的照片



CNP 283 Water pump, submersible (electric) 潛水泵 (電動)



Poker, vibratory, hand-held (electric) 混凝土震動機,手提 (電動)

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Appendix N NSR 1 School Calendar 2017-18

Sir Ellis Kadoorie Secondary School (West Kowloon) School Calendar 2017-2018

Month	Week	Sun	Mon	Tue	Wed	Thu	Fri	Sat		Holidays, Special Days & Examinations
2017							_1_	2	1	First Day of School Year
September	1	18	£43	5	6	7	8	9	4	Festival of Eid
(20 school days)	2	X	- 11	12	13	14	43	16	15	Sports Day (Heats)
	3	X	18	19	20	21	22	23	19	Sports Day (Finals)
	4	24	25	26	27	28	29	30		
	5	Y	1	3	4	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	6	7	2	The Day following National Day
October	6	×	9	10	11	12	13	14	5	The Day following the Mid-Autumn Festival
(18 school days)	7	X	16	-17-	18-	- 19	- 2003	21	20, 21	Festival of Diwali, Festival of Bhai Tika
	8	20	(23)	24	[25]	26	27	28	23, 24-31	1st Staff Development Day, 1st Term Test
	9	29	30	311				•	28	Chung Yeung Festival
					1	2	3	4		
November	10	/	6	7	8	9	70	11	10	Parents' Night & AGM of PTA
(22 school day)	11	X	13	14	15*	16	1	18	15, 17	Friday Timetable, P6 Information Day & Fun Fair
	12	74	20	21	22	23*	724	25	23, 24	Friday Timetable, School Picnic
	13	26	27	28	29	30	7675	-	,	,,
							1	0		
December	14	/	4	5	6	7		9	6, 8	Speech Day Final Rehearsal, Speech Day
(15 school days)	15	-	11	12	13	14	15	16	11-15	ESTP Challenge Camp for S2 & S3
(15 sensor days)	16	4	18	19*	20	2	22	23	19, 21	Friday Timetable, Talent Show & Class Party
	10	41	10	19*	27	28	29	30	22/12-1/1	Christmas and New Year Holidays (11 days)
			<i>-</i> 20	-20	21	28	29	30	22/12-1/1	Christmas and New Teal Hondays (11 days)
2018	17	_		0	3		-			The Pinet Day of January
	_	_	(8)	(0)	(n)	4	(3)	6	1 8-22	The First Day of January
January	18	7	7	9		<u> </u>	<u> </u>	13		Half-yearly Exam, Mock Exam for S6
(21 school days)	19	14	(I)	(J6)	17	(18)	(19)	20	23	Post-Exam Activities
	20	21	(22)	/23\	24*	(25)	26	27	24, 25	Thursday Timetable, 2nd Staff Development Day
	21	28	29	30	31				24, 26-31	Discussion of Exam Papers
		L.,				1	2	3	1	2nd Term Commences
February	22		5	6	7	8	29	10	9	Parents' Day
(12 school days)	23	X	12	13*	14	15	16	X	13	Friday Timetable
		X	19	20	21	22	23	24	14-25	Lunar New Year Holidays (11 days)
	24	25	26	27	28					
							2	3	1	S6 Graduation Day
March	25	\checkmark	5	6	7	8	9	10		
(21 school days)	26	\mathcal{X}	12	13	14	15*	46	17	15, 16	Friday Timetable, Learning Celebrations and PTA Night
	27	1	19	20	21	[22]	23	24	22-29	2nd Term Test
	28	2	26	27	28	29	-90	1	30/3-8/4	Easter Holidays (9 days)
		X	_	3	4		6	7	5	Ching Ming Festival
April	29		9	10	11	12	13	14		
(15 school days)	30		16	17	18	19	20	21		
(12 scaroo days)	31	-	23	(24)	(23)	26	27	28	24, 25	S3 TSA Oral Examination
	32	2	2303	7.9	43	20	- 41	40	21,25	S TOTA OTHER EMPLEMENTS
		7.7	534			3	4		1	Labour Day
May	33		7	8	9	10	11	12	•	Luova Duy
-	34		14	15	(6)		10	19	16	3rd Staff Development Day
(20 school days)	35	√	21	13	23	17	18 25		22	The Birthday of the Buddha
	36	40	_			24	25	26	22	The Bullday of the Buddha
	30	1	28	29	30	31	-	_		<u> </u>
T	22		-	-				2	6.00	Wands Promington & Cl TCA Promington
June	37	15	4	_5	6	(7)	(8)	9	6-22	Yearly Examination & S3 TSA Examination
(20 school days)	38	10	TD.	0	(3)	(14)	(1)	16	18	Tuen Ng Festival
	39	X	18	19	(20)	20	22	23	25-28	Discussion of Examination Papers
	40	24	25	26	27	28	/29\	30	29/6-9/7	Post-Exam Activities
	41	\nearrow	~~	<u> </u>	4	25	76	7	2	The Day following HKSAR Establishment Day
July	42	/	9	210	11	12	13	14	10, 11	Last School Day & Variety Show, Release of HKDSE Results
(6 school days)		X	16	17	18	19	20	21	12, 13	S.1 Registration
		25	23	24	25	26	2.7	28	17	Pre-S.1 Attainment Test
		26	30	31	-	- 20	21	20		Summer Vacation (52 days)
			-81	-/1	1	2	3	4		
Aug	—	5/	6	7	8	9	10	11	20	All Staff should be available in Hong Kong
Aug	—	19	13	14	15	16	17	18	22, 23	Induction of New Teachers, HOD & HOC Meetings
		1/2	0.07			10	74			
	<u> </u>	29	20	21	/22	/23		25	24	1st Staff Meeting, CT & ACT Meeting
		20	27	128	29	30	31		28	Orientation Day for S1-S6 New Students
	0	Examin	ation Perio	d	₹\$	Discretion	ary Holiday	vs.	No. of Scho	ol Days: 190





No. of School Days: 190 No. of School Holidays & Discretionary Holidays: 90 + 3





Noise Impact Monitoring Results during Examination at Sir Ellis Kadoorie Secondary School (West Kowloon)

Date with both examination session and noise monitoring in the reporting period:

NSR 1		ndary Scho	ol (West]	Kowloon)		
Date	Monitoring	Weather	Wind	L _{eq}	L ₁₀	L ₉₀	Limit Level
	Period		Speed	(30 min)	(30 min)	(30 min)	L _{eq} (30 min)
	7:00-7:30			63.6	65.8	56.8	65.0
	7:30-8:00			63.5	65.7	56.9	65.0
	8:00-8:30			63.9	65.8	58.7	65.0
	8:30-9:00			64.1	66.2	59.6	65.0
	9:00-9:30			64.4	66.3	60.2	65.0
	9:30-10:00			64.9	66.7	60.6	65.0
	10:00-10:30			65.0	67.4	61.7	65.0
	10:30-11:00	Fine	< 5 ms ⁻¹ 28.5°C	64.1	66.2	61.1	65.0
	11-00:11:30			64.3	66.5	60.9	65.0
	11:30-12:00			63.8	65.7	59.7	65.0
	12:00-12:30			63.9	65.2	58.9	65.0
10 th April 2018	12:30-13:00			63.5	65.6	58.8	65.0
	13.00-13:30			64.1	66.2	59.3	65.0
	13:30-14:00			64.2	66.6	60.8	65.0
	14:00-14:30			64.5	66.7	61.3	65.0
	14:30-15:00			64.7	66.9	60.7	65.0
	15:00-15:30			64.2	66.3	60.6	65.0
	15:30-16:00			64.0	66.4	60.2	65.0
	16:00-16:30			64.7	66.8	61.4	65.0
	16:30-17:00			64.3	66.1	61.0	65.0
	17:00-17:30			63.6	65.5	59.7	65.0
	17:30-18:00			63.5	65.8	59.6	65.0
	18:00-18:30			63.7	65.3	59.2	65.0
	18:30-19:00			63.2	65.4	58.5	65.0
		Over	rall L _(30 min)	64.1	66.2	60.0	65.0

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NSR 1				ndary School (West Kowloon)			
Date	Monitoring Period	Weather	Wind Speed	L _{eq} (30 min)	L ₁₀ (30 min)	L ₉₀ (30 min)	Limit Level L _{eq} (30 min)
	7:00-7:30			63.7	65.1	55.9	65.0
	7:30-8:00			64.0	66.2	55.1	65.0
	8:00-8:30			63.9	65.7	55.0	65.0
	8:30-9:00			64.1	66.2	56.4	65.0
	9:00-9:30			63.5	65.4	56.2	65.0
	9:30-10:00		< 5 ms ⁻¹ 19.4°C	64.4	66.7	56.7	65.0
	10:00-10:30	Cloudy		64.8	66.9	55.8	65.0
	10:30-11:00			64.7	66.2	55.4	65.0
	11-00:11:30			64.1	66.3	56.2	65.0
	11:30-12:00			63.6	65.4	56.3	65.0
	12:00-12:30			63.9	65.5	56.1	65.0
16 th April 2018	12:30-13:00			64.1	66.7	59.1	65.0
	13.00-13:30			64.0	66.9	59.6	65.0
	13:30-14:00			64.6	66.2	59.4	65.0
	14:00-14:30			64.9	66.3	60.5	65.0
	14:30-15:00			64.3	66.4	60.6	65.0
	15:00-15:30			64.1	66.2	60.3	65.0
	15:30-16:00			63.5	65.8	59.7	65.0
	16:00-16:30			63.4	65.9	59.8	65.0
	16:30-17:00			64.7	66.2	60.5	65.0
	17:00-17:30			63.5	65.3	59.3	65.0
	17:30-18:00			63.1	65.4	59.7	65.0
	18:00-18:30			63.4	65.8	59.2	65.0
	18:30-19:00			63.2	65.3	59.1	65.0
		Over	all L _(30 min)	64.0	66.0	58.4	65.0