

Main Wealth Development Ltd.

Yau Tong Bay – Decommissioning of Shipyard Sites

Monthly EM&A Report for November 2013

[12/2013]

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				-
Version:	Rev. 0	Date:	16 December 2013	

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17 December 2013

Main Wealth Development Ltd.
72 – 76/F, Two International Finance Centre
8 Finance Street
Central
Hong Kong

Attn: Ms. Iris Cheng

Dear Ms. Cheng,

Yau Tong Bay – Decommissioning of Shipyard Sites Environmental Permit No. EP-409/2010 Monthly EM&A Report for November 2013 (Version: Rev.0)

With reference to the captioned document verified by IEC on 16 December 2013, we are pleased to provide our confirmation for the document on sections that is specific to soil remediation work pursuant to Condition 5.4 of the Environmental Permit No. EP-409/2010.

Yours faithfully,

Nature & Technologies (HK) Limited

Ir Dr Gabriel C K Lam Independent Environmental Auditor



Our ref

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Main Wealth Development Limited 71/F Two International Finance Centre 8 Finance Street Central Hong Kong

16 December 2013

Attn : Ms. Amy Chan / Mr. Gregory Chan

Dear Madam,

Yau Tong Bay – Decommissioning of Shipyard Sites Environmental Permit No. EP-409/2010 Condition 5.4 – Monthly EM&A Report for November 2013 (version: Rev. 0)

Further to the receipt from Environmental Team (ET) of the captioned Monthly EM&A Report on 11, 13 and 16 December 2013 via email, pursuant to Condition 5.4 of Environmental Permit I hereby verify the captioned report (Rev. 0) for Yau Tong Bay.

Yours faithfully for MOTT MACDONALD HONG KONG LIMITED

Terence Kong

Independent Environmental Checker (IEC)

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EXECUTIVE SUMMARY

The proposed "Yau Tong Bay – Decommissioning of Shipyard Sites" (hereinafter referred to as "the Project") is a Designated Project under the Environmental Impact Assessment Ordinance (Cap. 499) Schedule 2 and is governed by the Environmental Permit No. EP-409/2010. The Project aims to demolish the past and existing shipyards and their building structures and marine structures and decontaminate identified contaminated spots.

The demolition works of the Project commenced on 21 November 2011 and was completed in September 2012. The impact Environmental Monitoring and Audit (hereinafter referred to as "EM&A") programme for the Project commenced on 21 November 2011. The EM&A works was suspended from November 2012 for the captioned Project and the EM&A works has been resumed on 28 October 2013. The impact EM&A programme includes daytime construction noise and water quality monitoring, soil remediation works monitoring and auditing and site auditing. Method statement for biopiling and cement solidification was submitted in October 2013 and its approval is pending.

This report documents the findings of EM&A works conducted in the period between 1 and 30 November 2013.

As informed by the Contractor, the major construction activities carried out in the reporting period were setting up biopile base liner and cement solidification mixing pit, and decommissioning the underground oil tank at YTML 6-11 (in progress).

A summary of monitoring and audit activities conducted in the reporting period is listed below:

Daytime noise monitoring2 sessionsWater quality monitoring0 sessionEnvironmental site inspection4 sessions

Breaches of Action and Limit Levels for Daytime Construction Noise

No Action Level exceedance was recorded since no construction noise related complaint was received in the reporting period.

No Limit Level exceedance of construction noise was recorded in the reporting period.

Breaches of Action and Limit Levels for Water Quality

Water quality monitoring was not conducted in the reporting period as the demolition of marine structures has not yet commenced. No Action/Limit Level exceedance of water quality was recorded in the reporting period.

Environmental Complaint, Non-compliance, Notification of Summons and Successful Prosecution

No complaint, non-compliance, notification of summons and successful prosecution was received in the reporting period.

Reporting Change

There was no reporting change required in the reporting period.

Future Key Issues

Excavation of contaminated soil will take place in December 2013.



行政摘要

「油塘灣--船廠拆卸工程」(以下簡稱「本工程項目」)是一項被臚列於環境影響評估條例(第 499 章)附表 2 中的指定工程項目並受到環境許可證編號 EP-409/2010 所管制。本工程項目的主要目的是要拆除位於油塘灣的舊有和現有的船廠及其建築物和海事結構,以及處理指定的已受污染點。

本工程項目已於二零一一年十一月二十一日峻工並於二零一二年九月完工。本工程項目的施工期間環境監察及審核計劃亦由二零一一年十一月二十一日開始。由二零一二年十一月起,本工程項目之施工期間環境監察與審核工作暫停,並於二零一三年十月二十八日恢復。施工期間環境監察與審核計劃包括:日間建築噪音監測,水質監測,已受污染泥復育工作的監察與審核及工地審核巡查。生物堆及水泥凝固的方法聲明在二零一三年十月提交,正在等待審批。

本報告記錄了於二零一三年十一月一日至十一月三十日期間所進行的環境監察與審核工作。

根據承建商提供的資料,在上述的期間的主要建築活動爲設立生物堆積底座內膽及水泥凝固混合坑,以及清拆在 YTML 6-11 的地下油缸(進行中)。

在上述的期間有下列次數的監察及審核活動進行:

日間建築噪音監測2次水質監測0次環境巡查4次

違反監測標準

日間建築噪音

在上述的期間沒有收到有關建築噪音的投訴,所以噪音監測結果皆符合行動水平。

在上述的期間的所有日間建築噪音監測結果皆符合極限水平。

水質

因爲相關的海事結構拆除工程仍未開始,故沒有水質監測在上述的期間進行。因此,沒有違反水質行動水平和 極限水平的記錄。

有關收到的環境的投訴,傳票及檢控

在上述的期間沒有收到有關環境的投訴,傳票及檢控。

報告修訂

本報告期間並沒有修訂報告。

預計要注意的事項

污染土壤的挖掘預計將在二零一三年十二月開始。

1 INTRODUCTION

1.1 **Background**

- 1.1.1. The Project Site of "Yau Tong Bay-Decommissioning of Shipyard Sites" (hereinafter referred to as "the Project") is located along the shore of Yau Tong Bay (which is also known as Kwun Tong Tsai Wan) in East Kowloon within the Kwun Tong District and the Project Site together with its adjacent land is zoned Comprehensive Development area ("CDA") on the Approved Cha Kwo Ling, Yau Tong, Lei Yue Mun Outline Zoning Plan (OZP) No. S/K15/19. It faces Victoria Harbour to the southwest and is bounded by the Eastern Harbour Crossing Ventilation Building to the west. Cha Kwo Ling Road to the north and east, and Ko Fai Road to the south. The site is also adjacent to the former Yau Tong Industrial Area, which is at present mainly occupied by obsolete industrial buildings.
- The Project is a designated project and is governed by the Environmental Permit No. EP-409/2010 1.1.2. (hereinafter referred to as "the EP").
- 1.1.3. Major works to be undertaken in the Project include:-
 - Demolition of past and existing shipyard and building structures;
 - Demolition of marine structure of shipyards; and
 - Decontamination of identified contaminated spots.
- 1.1.4. For the decommissioning of past and existing shipyard lots, there is a total of 39 Marine Lots along the shore of Yau Tong Bay are under the control of the Project Proponent (Main Wealth Development Limited) and covered in this Project. These 39 lots (or the 'concerned lots'), with a total area of over 1 hectare (ha), as listed below and highlighted in Figure 1, are hereinafter referred to as the 'Project Site'. The land uses for the Project Site had been industrial and various land uses including shipvards. timber yards, sawmills and concrete batching plant.
 - YTML No. 1
 - YTMLs No. 5-14
 - YTML No. 15
 - YTMLs No. 19-24
 - YTMLs No. 27-38
 - YTMLs No. 41-46
 - YTML No. 54
- Main Wealth Development Limited (the Project Proponent) has commissioned AECOM Asia Company Limited as the Engineer of the Project and Kin Wing Construction Co., Ltd was commissioned as the Decontamination Contractor of the Project (hereafter referred to as "the Contractor").
- 1.1.6. AECOM Asia Company Limited was appointed to undertake the Environmental Team (hereafter referred to as "ET") services for implementation of all the Environmental Monitoring and Audit (hereafter referred to as "EM&A") works under the Project. Mott MacDonald Hong Kong Limited and Nature & Technologies (HK) Limited act as the Independent Environmental Checker (hereafter referred to as "IEC") and Independent Environmental Auditor (hereafter referred to as "IEA") for the Project respectively.
- According to the updated programme, the demolition works of the Project commenced on 21 November 2011. Hoarding and demolition works for the Project was completed in September 2012. Method statement for biopiling and cement solidification was submitted in October 2013 and its approval is pending.
- 1.1.8. In accordance with the updated Environmental Monitoring and Audit Manual (hereinafter referred to as "the EM&A Manual") of the Project, there is a need of an impact EM&A programme includes daytime construction noise and water quality monitoring, soil remediation works monitoring and auditing and site auditing. The impact EM&A Programme for the Project commenced on 21 November 2011. The EM&A works was suspended from November 2012 for the captioned Project and the EM&A works has been resumed on 28 October 2013.

1.2 Scope of Report

1.2.1 This is the fourteenth monthly EM&A Report for the Project "Yau Tong Bay – Decommissioning of Shipyard Sties". This report presents a summary of the environmental monitoring and audit works, list of activities and mitigation measures proposed by the ET for the Project in November 2013 (from 1 November 2013 to 30 November 2013).

1.3 Project Organization

1.3.1 The project organization structure is shown in **Appendix A**. The key personnel contact names and numbers are summarized in **Table 1.1**.

Table 1.1 Contact Information of Key Personnel

Party	Name	Telephone	Fax	
Project Proponent (Main Wealth Development Limited)	Gregory Chan	2908 8679	2562 0029	
Engineer (AECOM Asia Co. Ltd.)	Jeremy Yuen	3922 9000	3922 9797	
Decontamination Contractor (Contractor) (Kin Wing Construction Co., Ltd)		2717 9139	2725 9316	
Independent Environmental Checker (IEC) (Mott MacDonald Hong Kong Limited)		2828 5919	2827 1823	
Independent Environmental Auditor (IEA) (Nature & Technologies (HK) Limited)	Gabriel Lam	2877 3122	2511 0922	
Environmental Team Leader (ETL) (AECOM Asia Co. Ltd.)	Y T Tang	3922 9393	3922 9797	

1.4 Summary of Construction Works

- 1.4.1 The demolition works of the Project commenced on 21 November 2011 and was completed in September 2012.
- 1.4.2 The decontamination works of the Project will commence upon the approval of the Method statement for biopiling and cement solidification.
- 1.4.3 As informed by the Contractor, the major construction activities carried out in the reporting period were setting up biopile base liner and cement solidification mixing pit, and decommissioning the underground oil tank at YTML 6-11.
- 1.4.4 The general layout plan of the Project site is shown in **Figure 1.**
- 1.4.5 The latest Construction Programme is shown in **Appendix B**.
- 1.4.6 The environmental mitigation measures implementation schedule are presented in **Appendix C**.

1.5 Summary of EM&A Programme Requirements

- 1.5.1 The EM&A programme required environmental monitoring for daytime construction noise and water quality, soil remediation works monitoring and auditing and environmental site inspections for air quality, water quality, noise, waste management and landscape and visual impact. The EM&A requirements for each parameter described in the following sections include:-
 - All monitoring parameters;
 - Monitoring schedules for the reporting month and forthcoming months;
 - Action and Limit levels for all environmental parameters;
 - Event / Action Plan:
 - Environmental mitigation measures, as recommended in the Project EIA study final report; and
 - Environmental requirement in contract documents.

2 NOISE MONITORING

2.1 Monitoring Requirements

2.1.1 In accordance with the EM&A Manual, impact noise monitoring was conducted for at least once per two weeks at designated noise monitoring stations during the construction phase of the Project. The Action and Limit level of the noise monitoring is provided in **Appendix D**.

2.2 Monitoring Equipment

2.2.1 Noise monitoring was performed using sound level meter at each designated monitoring station. The sound level meters deployed comply with the International Electrotechnical Commission Publications (IEC) 651:1979 (Type 1) and 804:1985 (Type 1) specifications. Acoustic calibrator was deployed to check the sound level meters at a known sound pressure level. Brand and model of the equipment is given in **Table 2.1**.

Table 2.1 Noise Monitoring Equipment

Equipment	Brand and Model	
Integrated Sound Level Meter	Rion NL-31 (00320528); B&K 2238 (2285692)	
Acoustic Calibrator	Rion NC-73(10186482)	

2.3 Monitoring Locations

- 2.3.1 Monitoring stations NM1 to NM3 were set up at the proposed locations in accordance with the EM&A Manual.
- 2.3.2 **Figure 2** shows the locations of the monitoring stations. **Table 2.2** describes the details of the monitoring stations.

Table 2.2 Locations of Impact Noise Monitoring Stations

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Monitoring Station	Location	Description		
NM1	Yau Lai Estate Hong Lai House	1m from the exterior of the roof top façade of the building		
NM2	S.K.H. Yau Tong Kei Hin Primary School	1m from the exterior of the roof top façade of the building		
NM3	C.C.C. Kei Faat Primary School (Yau Tong)	1m from the exterior of the roof top façade of the building		

2.4 Monitoring Parameters, Frequency and Duration

2.4.1 **Table 2.3** summarizes the monitoring parameters, frequency and duration of impact noise monitoring.

Table 2.3 Noise Monitoring Parameters, Frequency and Duration

Table 210 Helice Memoring Farameters, Frequency and Paratien				
Parameter	Frequency and Duration			
30-mins measurement at each monitoring station between 0700 and 1900 on normal weekdays. L_{eq} , L_{10} and L_{90} would be recorded.	At least once per two weeks			

2.5 Monitoring Methodology

2.5.1 Monitoring Procedure

- (a) Façade measurements were made at all monitoring locations.
- (b) The battery condition was checked to ensure the correct functioning of the meter.
- (c) Parameters such as frequency weighting, the time weighting and the measurement time were set as follows:-
 - (i) frequency weighting: A
 - (ii) time weighting: Fast
 - (iii) time measurement: $L_{eq(30\text{-minutes})}$ during non-restricted hours i.e. 07:00-1900 on normal weekdays; $L_{eq(5\text{-minutes})}$ during restricted hours i.e. 19:00-23:00 and 23:00-07:00 of normal weekdays, whole day of Sundays and Public Holidays
- (d) Prior to and after each noise measurement, the meter was calibrated using the acoustic calibrator for 94dB(A) at 1000 Hz. If the difference in the calibration level before and after measurement was more than 1 dB(A), the measurement would be considered invalid and repeat of noise measurement would be required after re-calibration or repair of the equipment.
- (e) During the monitoring period, the L_{eq} , L_{10} and L_{90} were recorded. In addition, site conditions and noise sources were recorded on a standard record sheet.
- (f) Noise measurement was paused during periods of high intrusive noise (e.g. dog barking, helicopter noise) if possible. Observations were recorded when intrusive noise was unavoidable.
- (g) Noise monitoring was cancelled in the presence of fog, rain, wind with a steady speed exceeding 5m/s, or wind with gusts exceeding 10m/s.

2.5.2 Maintenance and Calibration

- (a) The microphone head of the sound level meter was cleaned with soft cloth at regular intervals.
- (b) The meter and calibrator were sent to the supplier or HOKLAS laboratory to check and calibrate at yearly intervals.
- (c) Calibration certificates of the sound level meters and acoustic calibrators are provided in **Appendix E**.

2.6 Monitoring Schedule for the Reporting Period

2.6.1 The schedule for environmental monitoring in November 2013 is provided in **Appendix F**.

2.7 Monitoring Results

2.7.1 The monitoring results for noise are summarized in **Table 2.4** and the monitoring data is provided in **Appendix G**.

Table 2.4 Summary of Noise Monitoring Results in the Reporting Period

	Average, dB(A),	Range, dB(A),	Limit Level, dB(A),
	L _{eq (30 mins)}	L _{eq (30 mins)}	L _{eq (30 mins)}
NM1	62.4	53.6 – 64.8	75
NM2	64.7	64.5 – 64.8	70#
NM3	65.4	64.8 - 66.0	70#

[#] Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period.

- 2.7.2 No Action Level exceedance was recorded since no construction noise related complaint was received in the reporting period.
- 2.7.3 No Limit Level exceedance was recorded at all monitoring stations in the reporting month.
- 2.7.4 Major noise sources during the noise monitoring included construction activities of the Project, construction activities by other contracts and nearby traffic noise.
- 2.7.5 The event action plan is annexed in **Appendix H**.

3 WATER QUALITY MONITORING

3.1 Monitoring Status

3.1.1 Water quality monitoring was not conducted in the reporting period as demolition of marine structures was not commenced.

4 LAND CONTAMINATION

4.1 Monitoring Status

4.1.1 No soil remediation works monitoring and auditing was conducted in the reporting period as soil remediation works has not yet commenced.

4.2 Excavation Progress

- 4.2.1 No excavation has been carried out in the reporting month.
- 4.2.2 Pre-sampling of verification sample has been conducted according to the corresponding CAR/RAPs ((a) Appendix 7C Remediation Action Plan for Yau Tong Bay Marine Lots in the Reclamation of Yau Tong Bay Final EIA Report (January 2002); (b) Yau Tong Bay Decommissioning of Shipyard Sites Contamination Assessment Report and Remediation Action Plan (YTML 1, 6-11, 15, 28, 29, 38 and 41-43; (c) Yau Tong Bay Decommissioning of Shipyard Sites Supplementary Contamination Assessment Report and Remediation Action Plan for Previously Inaccessible Lots (YTML 27, 44, 45-46, 54 and Underground Oil Tank at YTML 6-11)) in 12 contamination zones (T19, T22BA, T22BB, T32C, T32D, T32E, T36A, A1, R1, R2, R3 and R5) to define the contamination extent. A total of 48 verification samples have been collected by the Contractor under AECOM's supervision within the reporting period. The locations of the contamination zones are shown in Figure 4 and the status of excavation and confirmatory sampling are summarized in Table 4.1.

4.3 Biopiling and Cement Solidification / Stabilization Progress

4.3.1 The Biopiling and Cement Solidification / Stabilization process are not commenced yet. Preliminary setup for the process like biopile base liner and cement solidification mixing pit has been conducted.

4.4 Landfill Disposal of Contaminated Soil at Zone T32D and T32E

4.4.1 One sample from zone T32D and 2 samples from T32E have been collected for Toxicity Characteristic Leaching Procedure (TCLP) test to ensure the soil to be disposed at the landfill fulfill the "Landfill Disposal Criteria for Contaminated Soil" of the *Practice Guide for Investigation and Remediation of Contaminated Land* issued by EPD. The laboratory testing result is pending and will be incorporated in the next monthly report.

4.5 Monitoring Testing Result

4.5.1 No testing results of verification sample and TCLP test for landfill disposal have been received. The result will be incorporated in the next monthly report.

4.6 Underground Oil Tank at YTML 6-11

- 4.6.1 The oil tank was located by using underground utility detection equipment and trenching method. Clearance of residue oil in the oil tank was conducted by the contractor and Sun Base Environmental Service Limited (Sun Base) on 7 Nov 2013 with the following procedures:
 - i. Pumped out the residue diesel or water inside the Underground Oil Tank by pump with suitable pump hose to empty barrels. These residue diesel or water should be treated as chemical waste and stored properly in the barrels.

- ii. Water with degreasing powder / solvent was refilled to the underground tank to clean the tank. The refilled water was then pumped out again to empty barrels.
- iii. The barrels with diesel or water were collected by Sun Base for treatment and disposal.
- 4.6.2 A Gas Free Test was performed by an Approved Person for Certification of Flammable Vapour Free (Gas Free) for Work on Stores, Containers and Tanks under Regulations. 108, 120 & 128 of the Dangerous Goods (General) Regulations on 8 November 2013 to confirm the complete removal of residue diesel inside the underground tank.
- 4.6.3 The relevant trip tickets of the barrels and the Gas Free Report are provided in Appendices I and J.
- 4.6.4 After the clearance of residue oil in the underground oil tank, the tank was then removed on 26 November 2013 according to the following procedures:
 - The associated pipes of the underground tank were cut by gas welding with acetylene and oxyacetylene cylinders.
 - ii. The dismantled pipes and the underground tank were then removed by means of backhoe or crane lorry.
- 4.6.5 The dismantled pipes and underground tank were sold to the recycler and recycled on site.
- 4.6.6 Five confirmatory samples have been collected at the sidewalls and underneath the oil tank after the tank removal on 26 November 2013. The laboratory testing result of the confirmatory samples is pending. A supplementary Contamination Assessment Report reporting the result of the test, and if required a supplementary Remediation Action Plan, will be submitted separately to EPD for approval.

Table 4.1 Summary of Progress of Excavation and Verification Sampling

Zone ID	Status of	Status of Verification Sampling		Testing Result	
	Excavation	Тор	Sidewall	Base	1
T19A	Not Excavated	-	✓	0	Pending
T22BA	Not Excavated	-	✓	0	Pending
T22BB	Not Excavated	-	√ *	0	Pending
T32C	Not Excavated	-	✓	0	Pending
T32D	Not Excavated	✓	✓	0	Pending
T32E (PCB	Not Excavated	-	✓	0	Pending
Contaminated					
Zone)					
T32E	Not Excavated	-	0	0	No Sampling
T35C	Not Excavated	-	0	0	No Sampling
T36A	Not Excavated	-	✓	0	Pending
A1	Not Excavated	-	✓	0	Pending
A2	Not Excavated	0	0	0	No Sampling
A3	Not Excavated	-	0	0	No Sampling
A4	Not Excavated	0	0	0	No Sampling
A5	Not Excavated	0	0	0	No Sampling
R1	Not Excavated	-	✓	0	Pending
R2	Not Excavated	-	✓	0	Pending
R3	Not Excavated	-	✓	0	Pending
R4	Not Excavated	-	0	0	No Sampling
R5	Not Excavated	-	✓	0	Pending
R6	Not Excavated	0	0	0	No Sampling
R7	Not Excavated	0	0	0	No Sampling
R8	Not Excavated	0	0	0	No Sampling
UG Tank	Tank Removed	-	✓	✓	Pending
Note:		•	×	•	·

Note:

- √: Sampled
- O: Not sampled yet
- : Sampling not required
- *: The sample at T22BB.2 could not be sampled as hard materials were encountered. Therefore, only 3 samples were sampled at the sidewall of Zone T22BB.



5 ENVIRONMENTAL SITE INSPECTION AND AUDIT

5.1 Site Inspection

- 5.1.1 Site Inspections were carried out on a weekly basis to monitor the implementation of proper environmental pollution control and mitigation measures for the Project. In the reporting period, 4 site inspections were carried out on 7, 14, 22 and 26 November 2013 respectively.
- 5.1.2 The environmental site inspection summary is provided in **Appendix K**.
- 5.1.3 Particular observations during the site inspection are described below:-

Air Quality

- 5.1.4 Wheel washing facilities with high pressure jets have not yet been provided at one entrance point of the site. The Contractor should provide wheel washing facilities at all entrance points of the site.
- 5.1.5 Stockpiles of wastes and construction materials were not sprayed with water; or covered entirely by impervious sheeting or placed in sheltered areas. The Contractor should cover stockpiles of wastes and construction materials; and regularly spray water to stockpile materials or dusty site surfaces should be maintained.
- 5.1.6 Some site areas are not installed with water sprinklers. Regular spraying of water by other methods (e.g. water vehicles) at those areas should be maintained.

Noise

5.1.7 A small opening was found at the hoarding at the roadside near YTML 6-11. The opening should be covered

Water Quality

5.1.8 Open stockpiles of construction materials placed on site were not covered with tarpaulin or similar fabric. The Contractor should cover stockpiles of wastes and construction materials.

Chemical and Waste Management

5.1.10 No adverse observation was identified in the reporting period.

Landscape and Visual Impact

5.1.11 No adverse observation was identified in the reporting period.

Miscellaneous

- 5.1.12 No adverse observation was identified in the reporting period
- 5.1.13 The Contractor has partially rectified observations as identified during environmental site inspection in the reporting month within agreed time frame. Rectifications of remaining identified items are undergoing by the Contractor. Follow-up inspections on the status on provision of mitigation measures will be conducted to ensure all identified items are mitigated properly.

5.2 Advice on the Solid and Liquid Waste Management Status

- 5.2.1 The Contractor had submitted the application form for registration as a chemical waste producer for the Project.
- 5.2.2 As advised by the Contractor, no inert C&D wastes was generated on site and disposed of at Public Fill (Tseung Kwan O Area 137 Fill Bank). 21.4 tons of general refuse was generated on site and disposed of at the South East New Territories (SENT) Landfill. No inert C&D materials were reused on site or reused in SENT for backfilling purpose respectively. No metals, paper/cardboard packaging or plastics were generated and collected by the registered recycling collectors. 12,000 L of chemical waste was collected by the licensed contractor in the reporting period.
- 5.2.3 The Contractor is advised to properly maintain on-site C&D materials, wastes collection, and sorting and recording systems. The Contractor is also advised to maximize the reuse / recycling of C&D materials and wastes. The Contractor is reminded to properly maintain the site tidiness and dispose of the wastes accumulated on site regularly and properly.
- 5.2.4 The Contractor is reminded that chemical waste containers should be properly treated and stored temporarily in designated chemical waste storage areas on site in accordance with the Code of Practise on the Packaging, Labelling and Storage of Chemical Wastes.

5.3 Environmental Licenses and Permits

5.3.1 The environmental licenses and permits for Stage 1 of the Project and valid in the reporting month is summarized in **Table 5.1**.

Table 5.1 Summary of Environmental Licensing and Permit Status

Statutory Reference	License/ Permit	License or Permit No.	Valid Period		Remarks
			From	То	
EIAO	Environmental Permit	EP-409/2010	10/01/2011	N/A	Yau Tong Bay – Decommissioning of Shipyard Sites
WDO	Chemical Waste Producer Registration	5213-290-K2822- 04	22/10/2013	N/A	Whole Construction Site

WDO	Billing Account for Disposal of Construction Waste	7018469	N/A	N/A	Whole Construction Site
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5.4 Implementation Status of Environmental Mitigation Measures

- 5.4.1 In response to the site audit findings, the Contractor carried out corrective actions.
- 5.4.2 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) is presented in **Appendix C**. Many recommended mitigation measures were implemented properly.

5.5 Summary of Exceedances of the Environmental Quality Performance Limit

- 5.5.1 No Action Level exceedance was recorded since no construction noise related complaint was received in the reporting period.
- 5.5.2 No Limit Level exceedance of construction noise was recorded in the reporting period.
- 5.5.3 Water quality monitoring was not conducted in the reporting period as the demolition of marine structures has not yet commenced. No Action/Limit Level exceedance of water quality was recorded in the reporting period.
- 5.6 Summary of Complaints, Non-compliances, Notification of Summons and Successful Prosecutions
- 5.6.1 The Environmental Complaint Handling Procedure is annexed in **Figure 3**.
- 5.6.2 No environmental complaint, non-compliance, notification of summons and prosecution was received in the reporting period.
- 5.6.3 Cumulative statistics on complaints, non-compliance, notifications of summons and successful prosecutions are summarized in **Appendix L**.

6 FUTURE KEY ISSUES

6.1 Construction Programme for the Coming Months

- 6.1.1 The proposed major construction works for the Project in December 2013 and January 2014 include:-
 - Excavation of Contaminated Soil in Zones R1, R2, R4, R5, A1, A2, A4, A5, T19A, T22BA and T36A:
 - Formation of biopiles;
 - Cement solidification treatment;
 - Excavation and disposal of PCBs-Contaminated Soil in Zones T32D and T32E to Landfill; and

6.2 Key Issues for the Coming Month

6.2.1 Excavation of contaminated soil will take place in December 2013.

6.3 Monitoring Schedule for the Coming Month

6.3.1 The tentative schedule for environmental monitoring in December 2013 is provided in **Appendix F**.

7 COMMENTS, RECOMMENDATIONS AND CONCLUSIONS

7.1 Comments on Mitigation Measures

7.1.1 According to the environmental site inspections performed in the reporting month, the following comments are provided:-

Air Quality Impact

• The Contractor should cover stockpiles of wastes and construction materials; and regularly spray water to stockpile materials or dusty site surfaces should be maintained.

Construction Noise Impact

Nil.

Water Quality Impact

 The Contractor should regularly spray water to stockpile materials or dusty site surfaces should be maintained.

Chemical and Waste Management

Nil.

Landscape and Visual Impact

Nil.

Miscellaneous

Nil.

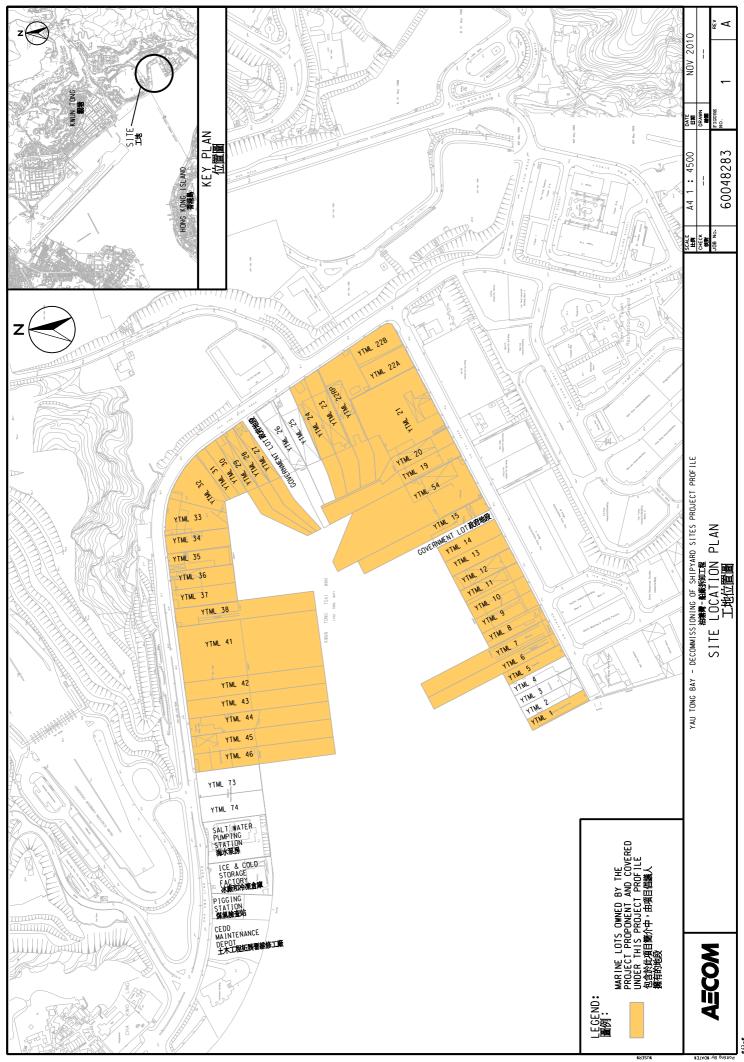
7.2 Recommendations on EM&A Programme

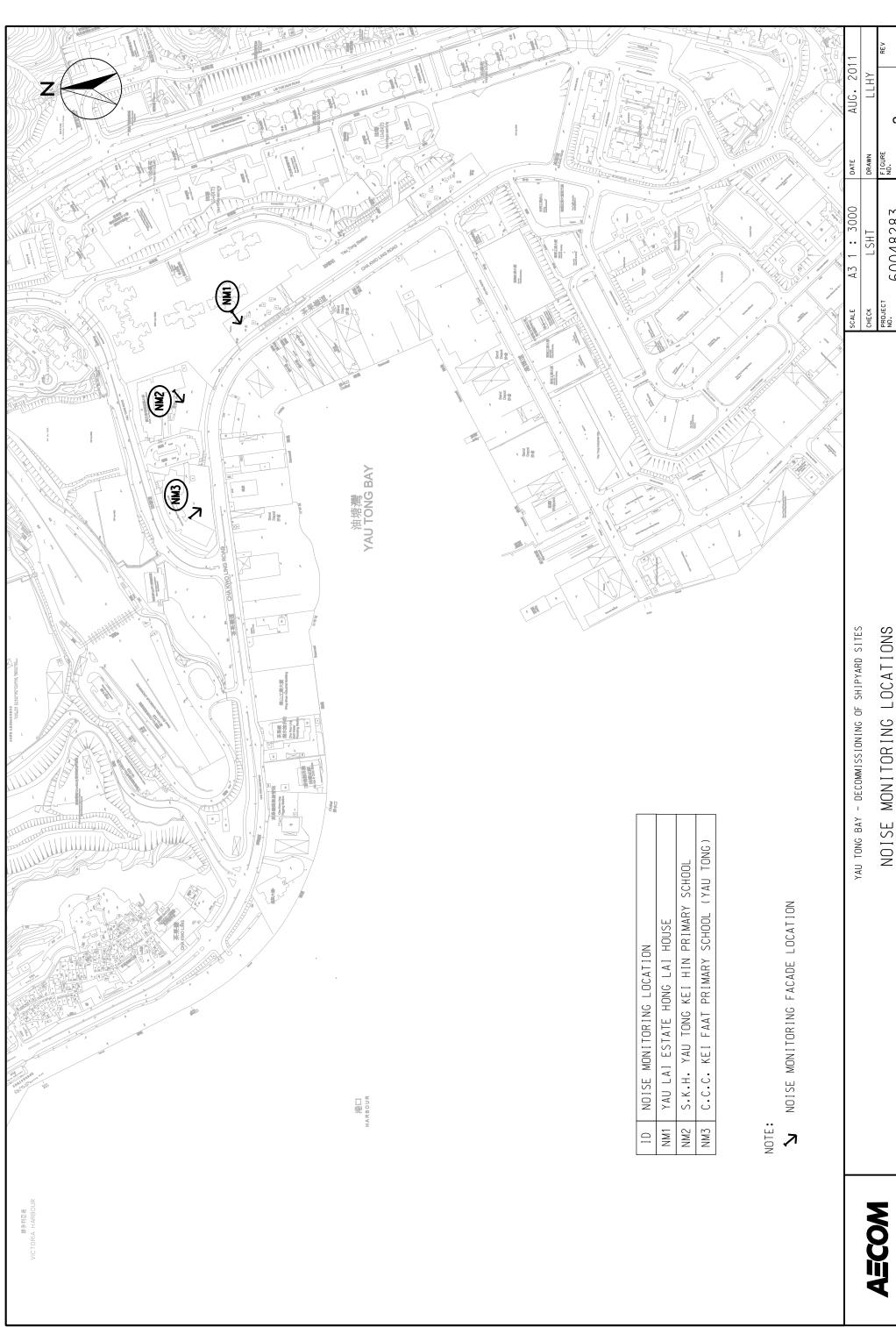
- 7.2.1 The impact noise monitoring programme ensured that any environmental impact to the receivers would be readily detected and timely actions could be taken to rectify any non-compliance. Assessment and analysis of monitoring results collected demonstrated the environmental acceptability of the Project. The weekly site inspection and soil remediation monitoring and auditing ensured that all the environmental mitigation measures recommended in the EIA report were effectively implemented.
- 7.2.2 The EM&A programme effectively monitored the environmental impacts from the construction activities and no particular recommendation was advised for the improvement of the programme.

7.3 Conclusions

- 7.3.1 Noise monitoring was carried out 2 times in the reporting period.
- 7.3.2 No Action Level exceedance was recorded since no construction noise related complaint was received in the reporting period.
- 7.3.3 No Limit Level exceedance of construction noise was recorded in the reporting period.
- 7.3.4 Water quality monitoring was not conducted in the reporting period as the demolition of marine structures has not yet commenced. No Action/Limit Level exceedance of water quality was recorded in the reporting period.
- 7.3.5 In the reporting month, no excavation of inspection pits and borehole drilling for structural and environmental sampling were conducted in the site. No soil remediation works monitoring and auditing was conducted in the reporting period as soil remediation works was yet to be commenced.
- 7.3.6 Environmental site inspection was carried out 4 times in November 2013. Recommendations on remedial actions were given to the Contractor for the deficiencies identified during the site audits.
- 7.3.7 No environmental complaint, non-compliance, notification of summons and prosecution was received in the reporting period.

FIGURES





NOISE MONITORING LOCATIONS

YAU TONG BAY - DECOMMISSIONING OF SHIPYARD SITES

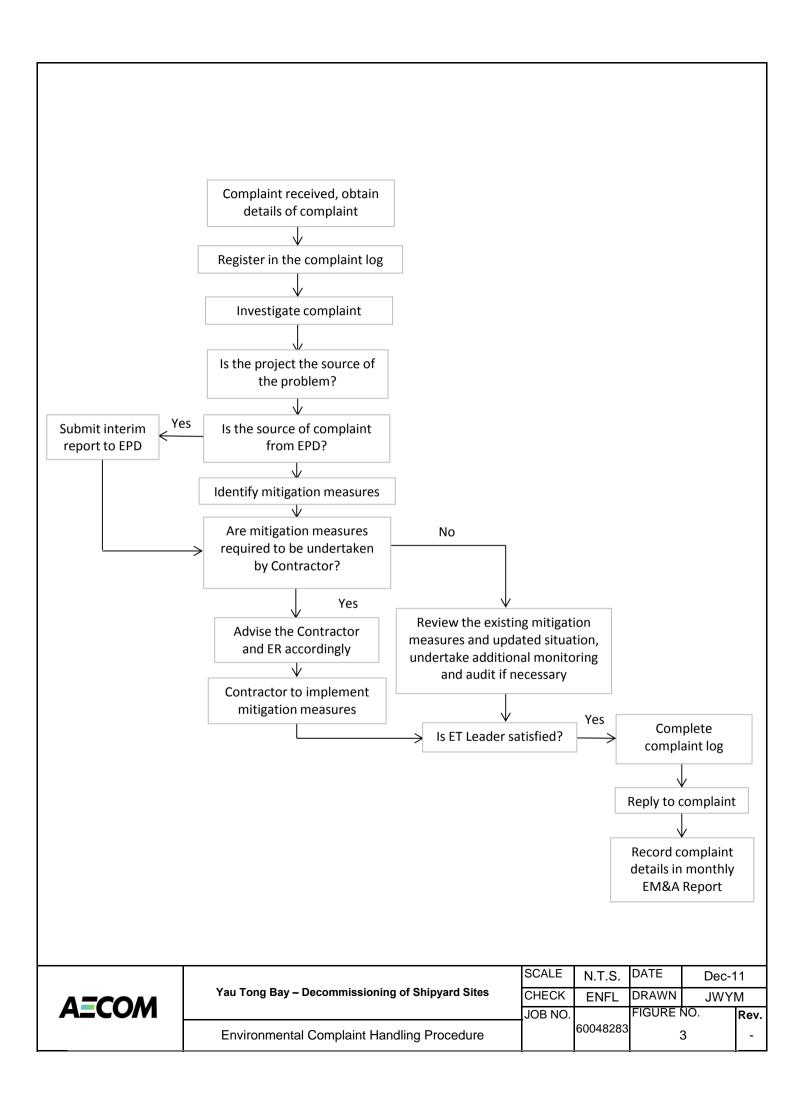
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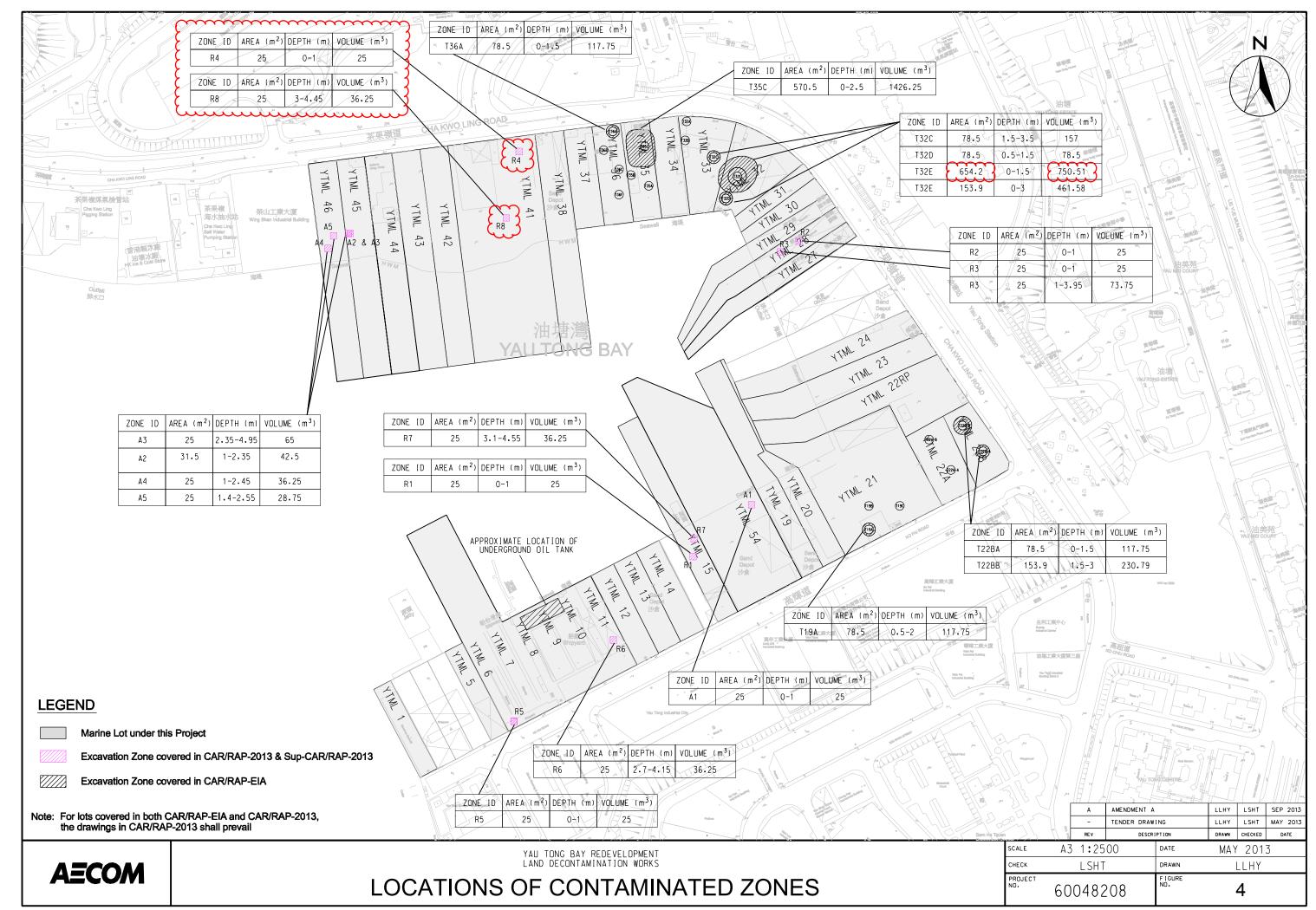
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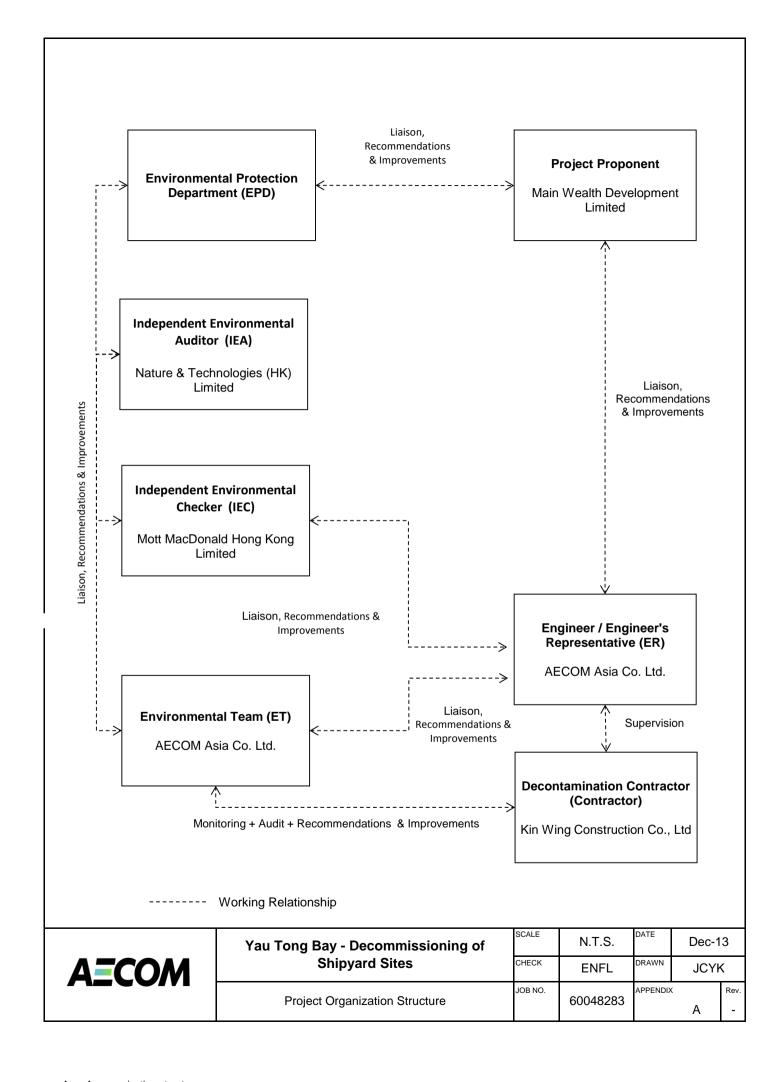
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APPENDIX A PROJECT ORGANIZATION STRUCTURE



APPENDIX B CONSTRUCTION PROGRAMME

Yau Tong Bay Redevelopment Land Decontamination Works

Construction Programme (Rev. 1)

I.D		Activity Description Start Finish 2013 2014 2015									2015									
No.	Activity Description	Start	Finish	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan
10	Submission of Method Statement for Biopiling and Cement Solidification	13-Sep-13	6-Nov-13																	
20	Approval of the Method Statement for Biopiling and Cement Solidification by EPD	30-Sep-13	15-Nov-13																	
30	Submission of ELS Plan	13-Sep-13	23-Oct-13																	
40	BD Approval and Consent of ELS Plan	24-Oct-13	23-Jan-14																	
42	EM & A by ET	28-Oct-13	5-Jan-15																	
45	Pre-sampling of the sidewall samples	11-Nov-13	30-Nov-13																	
50	Setting up biopile base liner and cement solidification mixing pit	28-Oct-13	23-Nov-13																	
60	Excavation of Contaminated Soil in Zone R1, R2, R4, A2 for Biopiling	25-Nov-13	14-Jan-14																	
70	Excavation of Contaminated Soil in Zone R3, T32E and T35C for Biopiling	24-Jan-14	23-Mar-14																	
80	Cement Solidification Pilot Test	25-Nov-13	7-Dec-13																	
90	Excavation of Contaminated Soil in Zone A1, A2, A4, A5, R5, T19A, T22BA, T36A for Cement Solidification	25-Nov-13	31-Dec-13																	
100	Excavation of Contaminated Soil in Zone A3, R6, R7, R8, T22BB and T32C for Cement Solidification	15-Jan-14	16-Mar-14																	
110	Cement Solidification Treatment Process	9-Dec-13	30-Mar-14																	
120	Operation and maintenance of Biopile System	24-Mar-14	2-Nov-14																	
130	Sample collection for TCLP test for PCB Contaminated Soil	11-Nov-13	16-Nov-13																	
132	Submission of TCLP test results to EPD	18-Nov-13	23-Nov-13																	
134	Approval by EPD for Landfill disposal	25-Nov-13	21-Dec-13																	
136	Excavation and disposal of PCBs Contaminated Soil in Zone T32D and T32E to Landfill	23-Dec-13	23-Feb-14																	
140	Submission and approval of method statement for clearance of the Underground Oil Tank	30-Sep-13	2-Nov-13																	
143	Clearance of the Underground Oil Tank	4-Nov-13	9-Nov-13																	
147	Submission and approval of method statement for demolition of Underground Oil Tank	25-Oct-13	9-Nov-13																	
148	Removal of Underground Oil Tank	11-Nov-13	26-Jan-14																	
150	Confirmation Sampling & Testing in the vincinity of the Underground Oil Tank	28-Jan-14	9-Feb-14																	
160	Submission of Supplementary Contamination Assessment Report	11-Feb-14	2-Mar-14																	
170	Submission of Remediation Report	18-Nov-14	21-Dec-14																	
180	Remove all plants and equipment for decontamination works.	23-Dec-14	5-Jan-15																	

APPENDIX C
IMPLEMENTATION SCHEDULE OF
ENVIRONMENTAL MITIGATION MEASURES
(EMIS)

Appendix C - Implementation Schedule of Environmental Mitigation Measures (EMIS)

Air Quality - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status	
Air Quality during	Careful sitting of construction activities which generate substantial amount of dust can effectively reduce the overall impact.	During construction	V	
Construction	Use of regular watering, with complete coverage if possible, to reduce dust emissions from exposed site surfaces and unpaved roads and for dusty construction areas and areas close to ASRs, particularly during dry weather.		V	
	Open stockpiles shall be avoided. Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions. Where possible, prevent placing dusty material storage piles near ASRs. Where this is not practicable owing to frequent usage, watering shall be applied to aggregate fines.		@	
	No free falling construction debris should be allowed; debris should be let down by hoist or enclosed tunnel to the ground.		N/A	
	All dusty materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty materials wet.			V
	Provision of wind shield and dust extraction units or similar dust mitigation measures at the loading points, and use of water sprinklers at the loading area where dust generation is likely during the loading process of loose material, particularly in dry seasons/ periods.		@	
	Height from which dusty materials are dropped should be controlled to a minimum practical height to limit fugitive dust generation from unloading.		N/A	
	Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.		V	
	Skip hoist for material transport should be totally enclosed by impervious sheeting.		V	
	• Establishment and use of vehicle wheel and body washing facilities at the exit points of the site and public roads, combined with cleaning of public roads wherever necessary and practical.		@	
	• The area where vehicle washing takes place and the section of the road between the washing facilities and the exit point should be paved with concrete, bituminous materials or hardcores.		V	
	• Provision of not less than 2.4m high hoarding from ground level along site boundary where adjoins a road, streets or other accessible to the public except for a site entrance or exit.		V	
	• Imposition of speed controls for vehicles on site haul roads. Where feasible, routing of vehicles and positioning of construction plants should be at a maximum possible distances from sensitive receivers.		V	
	• Every stock of more than 20 bags of cement or dry pulverised fuel ash (PFA) should be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides.		N/A	
	Instigation of an environmental monitoring and auditing program to monitor the construction process in order to enforce controls and modify method of work if dusty conditions arise.		V	

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Noise - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status
Construction Noise during Construction	 In order to reduce the excessive noise impacts at the affected NSRs during normal daytime working hours, the following mitigation measures shall be implemented:- adopting quiet powered mechanical equipment; scheduling of works; erect a 3m tall moveable noise barriers along the site boundary; and noise enclosure. 	During construction	V
	 Only well-maintained plant should be operated on-site and plant should be serviced regularly. Silencers or mufflers on construction equipment should be utilized and should be properly maintained. 		V
	 Mobile plant, if any, should be sited as far away from NSRs as possible. Machines and plant (such as trucks) that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum. 		V
	• Plant known to emit noise strongly in one direction should, wherever possible, be orientated so that the noise is directed away from the nearby NSRs.		V
	 Material stockpiles and other structures should be effectively utilised, wherever practicable, in screening noise from on-site construction activities. 		V
	Use of acoustic barriers as close to the source as possible. Equipment to be shielded: air compressor, water pump, concrete pump, dumper, dump truck, generator, various hand tools, saw, excavator, loader, truck mixer, mobile crane, vibrator and breaker.	During examination periods of the school nearby	V

Page 2 November 2013

Impact	Mitigation Measures	Timing	Implementati on Status
Water	Construction works at or close to the seafront		
Quality during Construction	• Temporary storage of construction materials (e.g. equipment, filling materials, chemicals and fuel), chemical waste storage area and temporary stockpile of construction and demolition materials should be located well away from the seawater front and storm drainage during carrying out of the works.	During construction	V
	Stockpiling of construction and demolition materials and dusty materials should be covered and located away from the seawater front and storm drainage.		V
	Construction debris and spoil should be covered up and/or disposed of as soon as possible to avoid being washed into the nearby receiving waters.		V
	Construction run-off and Drainage		
	The site practices outlined in ProPECC PN 1/94 "Construction Site Drainage" shall be followed as far as practicable in order to minimise surface runoff and the chance of erosion, and also to retain and reduce any suspended solids prior to discharge. These practices include, inter alia, the following items:-	During construction	V
	• Provision of perimeter channels to intercept storm-runoff from outside the site. These shall be constructed in advance of site formation works and earthworks.		
	 Vehicle and plant servicing areas, vehicle wash bays and lubrication bays should as far as possible be located within roofed areas. The drainage in these covered areas should be connected to foul sewers via a petrol interceptor and/or oil/grease separator. Oil leakage or spillage should be contained and cleaned up immediately. Waste oil should be collected and stored for recycling or disposal in accordance with the Waste Disposal Ordinance. 		V
	Sand/silt removal facilities such as sand traps, silt traps and sediment basins shall be provided to remove sand/silt particles from runoff to meet the requirements of the Technical Memorandum standard under the Water Pollution Control Ordinance. The design of silt removal facilities should be based on the guidelines provided in ProPECC PN 1/94. All drainage facilities and erosion and sediment control structures should be inspected monthly, regularly cleaned and maintained to ensure proper and efficient operation at all times and particularly during rainstorms.		V
	Careful programming of the works to minimise the potential of soil erosion during the rainy season. Other measures that need to be implemented before, during, and after rainstorms are summarized in ProPECC PN 1/94.		V
	• Exposed soil surface shall be protected by paving as soon as possible to reduce the potential of soil erosion.		V
	Open stockpiles of construction materials on site shall be covered with tarpaulin or similar fabric during rainstorm. Open 1 Construction Activities.		@
	General Construction Activities	I 5 ·	T .,
	 Debris and rubbish generated on-site shall be collected, handled and disposed of properly to avoid entering the nearby nullah and stormwater drains. Stockpiles of cement and other construction material should be kept covered when not being used. 	During construction	V

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Impact	Mitigation Measures	Timing	Implementati on Status
Water Quality during Construction	 Oils and fuels should only be used and stored in designated areas which have pollution prevention facilities. All fuel tanks and storage areas shall be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event. 		V
	Sewage Effluent		
	 Temporary sanitary facilities, such as portable chemical toilets, shall be employed on-site. A licensed contractor would be responsible for appropriate disposal and maintenance of these facilities. 	During construction	V
	Effluent discharged from the construction site should comply with the standards stipulated in the TM-DSS.		V
	Subject to the sampling results of Contamination Assessment Plan of the site, any contaminated land treatments are subjected to EPD's requirements on handling, treatment and disposal. Should effluent stream and/or extracted ground water be discharged from the site, the discharge shall comply with the WPCO and any EPD special requirements.		N/A
	 Establishment of baseline and impact monitoring program to establish the baseline water quality condition and monitor the construction process in order to enforce controls and modify method of work if any adverse impacts on the water sensitive receivers are detected. 		V

Waste Management- Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status
Waste	Good Site Practice		
Management during Construction	 Nominate an approved personnel, such as a site manager, to be responsible for good site practices and effective arrangements for collection and disposal to an appropriate facility of all wastes generated at the works area. Training of site personnel in proper waste management and handling procedures shall be undertaken. 	During construction	V
	Construction materials should be planned and stocked carefully to minimise and avoid unnecessary generation of waste.		V
	General refuse shall be stored and collected separately from other construction and chemical wastes. Provide on-site refuse collection facilities and enclosed transfer facility for storage and containment.		V
	Waste points should be provided sufficiently and waste should be collected regularly.		V
	Appropriate measures to minimise windblown litter and dust during transportation of waste by either covering trucks or by transporting wastes in enclosed containers.		V
	Separate chemical wastes for special handling and appropriate treatment at the Chemical Waste Treatment Centre located at Tsing Yi. Chemical waste shall be handled according to the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.		V

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Impact	Mitigation Measures	Timing	Implementation Status
Waste	Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.	During	V
Management during	• Develop procedures such as a trip-ticket system to monitor the disposal of C&D material and solid wastes at public filling areas and landfills, and to control fly-tipping.	construction	V
Construction	A recording system for the amount of wastes generated, recycled and disposed should be proposed.		V
	Waste Reduction Measures		
	Good management and control can prevent the generation of a significant amount of waste. Waste reduction is best achieved at the planning and design stage, as well as by ensuring the implementation of good site practices. Recommendations to achieve waste reduction include:-	During construction	
	Segregation and storage of different types of waste in different containers, skips or stockpiles to enhance reuse or recycling of materials and their proper disposal.		V
	• Encourage collection of aluminum cans, PET bottles and paper by providing separate labelled bins to enable these wastes to be segregated from other general refuse generated by the work force.		V
	Any unused chemicals or those with remaining functional capacity shall be recycled.		V
	Use of reusable non-timber formwork to reduce the amount of C&D material.		V
	Prior to disposal of C&D waste, it is recommended that wood, steel and other metals shall be separated for re-use and / or recycling to minimise the quantity of waste to be disposed of to landfill.		V
	Proper storage and site practices to minimise the potential for damage or contamination of construction materials.		V
	Plan and stock construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of waste.		V
	General Site Wastes	_	
	Collection area for construction site waste should be provided where waste can be stored prior to removal from site.	During construction	V
	An enclosed and covered area for the collection of the waste is recommended to reduce 'wind blow' of light material.		V
	An open area used for storage or loading/unloading of wastes should be bunded and all the polluted surface run-off collected within this area should be diverted into sewers.		V
	General refuse should be stored in enclosed bins or compaction units separate from C&D material. A reputable waste collector should be employed by the contractor to remove general refuse from the site, separately from C&D material.		V
	Workforce Wastes		
	Suitable collection sites around site offices and canteen should be required.	During construction	V
	Waste should be removed daily or as often as required.		V

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Impact	Mitigation Measures	Timing	Implementation Status
Waste	Chemical Waste		
Management during Construction	After use, chemical waste (for example, cleaning fluids, solvents, lubrication oil and fuel) should be handled according to the Code of Practice on the Package, Labelling and Storage of Chemical Wastes.	During construction	V
Constitution	Waste should be properly stored on site within suitably designed containers and should be collected by approved licensed waste collectors for disposal at the Chemical Waste Treatment Centre (CWTC) or other licensed facility in accordance with the Waste Disposal Chemical Waste (General) Regulation.		V
	Any service shop and minor maintenance facilities should be located on hard standing within a bunded area, and sumps and oil interceptors should be provided.	During construction	N/A
	Provision of appropriate on-site temporary storage facility for any asbestos containing materials (ACM) where necessary. Storage facilities shall be designed in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes.		V
	Employ registered contractors for removal of ACM off-site and disposal at a designated landfill site.		V
	Construction and Demolition Material		
	The selective demolition method is recommended to be employed to minimize the effort of sorting mixed C&D materials.	During construction	V
	• In order to minimise the impact resulting from collection and transportation of C&D material for off- site disposal, it is recommended that the public fill material generated from demolition works shall be re-used on-site as far as possible.		V
	• A suitable area should be designated to facilitate the sorting process and a temporary stockpiling area will be required for the separated materials. Separate construction and demolition material into C&D waste (non-inert material) and public fill (inert material) for appropriate disposal. Public fill disposed at a public filling area shall only consist of earth, building debris, broken rock and concrete. The material shall be free from marine mud, household refuse, plastic, metals, industrial and chemical waste, animal and vegetable matter, and other material considered to be unsuitable by the Filling Supervisor. Small quantities of timber mixed with otherwise suitable material would be permitted. C&D waste, such as wood, glass, plastic, steel and other metals, shall be reused or recycled and, as a last resort, disposed to landfill.		V

Page 6 November 2013

Impact	Mitigation Measures	Timing	Implementation Status
Land Contamination (For inaccessible lots and lots which the	• Further land contamination assessments to be carried out for inaccessible lots, lots which the Permit Holder opt to re-assess in accordance with the RBRGs approach, as well as areas that required further sampling to ascertain contamination extent. Supplementary CAP, CAR and RAPs to be submitted to EPD for endorsement before commencement of remediation work. These reports shall detail the further sampling & remediation works required. The development construction work shall only commence after all the remediation	Inaccessible lots as described under para. 3.5 of Appendix 7A of YTB-EIA as	V (Two CAPs (Yau Tong Bay - Decommissioning of Shipyard Sites
Permit Holder opt to re- assess in accordance with the Risk- Based Remediation Goals RBRGs) approach)	work has been completed.	well as areas that required further sampling to ascertain contamination extent/ Upon availability of	Supplementary CAP for Previous Inaccessible Lots (YTML 27, 44, 45-46, 54 and Underground Oil Tank at YTML 6- 11) & Yau Tong Bay - Decommissioning
		site access Supplementary CAP, CAR and RAPs to be submitted to EPD for endorsement before commencement of the remediation work.	of Shipyard Sites (CAP for YTML 1, 6-11, 15, 28, 29, 38 and 41-43)) have been submitted to EPD and approved on 6 Jul 2011 and 30 Aug 2011 respectively. The corresponding CARs and RAPs were submitted to EPD in June
		Development construction work should only commence after all the remediation	2012 and were subsequently approved in June 2013 after two rounds of comment.)

Page 7 November 2013

Impact	Mitigation Measures	Timing	Implementation Status
		work has been completed.	
Land Contamination (For inaccessible lots and lots which the Permit Holder opt to re- assess in accordance with the Risk- Based Remediation Goals (RBRGs) approach)	A method statement detailing the following shall be submitted to EPD for endorsement: Methodology, monitoring and verification procedures for biopiling and solidification; Pilot test procedures for solidification process to ascertain the concrete mix receipe and leachability of the product; The sample size for the verification soil test to be conducted by IEA for spot check purpose; The notification system for notifying the Director the satisfactory completion of the excavation and treatment of contaminated soil; and Provision and operation requirements of equipment and personnel decontamination facilities.	All areas identified to require solidification of soil as land remediation / The pilot test results and method statement shall be submitted and endorsed at least one month prior to the full scale solidification works. All soil identified and to be identified as contaminated with TPH / The method statement shall be submitted and endorsed at least one month prior to the commencement of the biopiling works.	V (A method statement for biopiling and solidification has been submitted to EPD on 2 Oct 2013. The method statement is still pending for EPD's endorsement.)

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Impact	Mitigation Measures	Timing	Implementation Status
Land Contamination (For inaccessible lots and lots which the Permit Holder opt to re- assess in accordance with the Risk- Based Remediation Goals (RBRGs) approach)	A Soil Remediation Report should be submitted to EPD to demonstrate that the remediation work has been properly carried out.	All areas identified to require soil and groundwater remediation / The Remediation Report shall be submitted and endorsed prior to the commencement of the development construction works.	N/A
	Inspections for dioxin. Should there be signs of incineration facilities, burn pits or facilities that utilises high temperature burning, soil sampling for dioxin will be carried out. Details regarding such sampling shall be approved by EPD. A detailed proposal for dealing with dioxin contaminated material, if found, shall also be submitted to EPD for approval.	All the Yau Tong Bay marine lots inspection and testing shall commence upon availability of site.	V
Land Contamination (For lots and facilities assessed under EIA with approved CAP, CAR and RAP based on Dutch B levels	A pilot test shall be conducted to ascertain the concrete mix receipe and leachability of the product prior to a full scale solidification and a method statement detailing the solidification procedure (including the sampling proposal for process monitoring) shall be submitted to EPD for endorsement.	All areas identified to require solidification of soil as land remediation / The pilot test results and method	N/A

Page 9 November 2013

Impact	Mitigation Measures	Timing	Implementation Status
referenced to		statement shall	
ProPECC		be submitted	
PN3/94 –		and endorsed	
Contaminated		prior to the full	
Land Assessment		scale	
and		solidification	
Remediation)		works.	
Land	A method statement detailing the biopiling methodology, monitoring and verification	All soil	V
Contamination	procedures shall be submitted to EPD for endorsement.	identified and to	/A
(For lots and facilities		be identified as	(A method statement for
assessed		contaminated	biopiling and
under EIA		with TPH / The	solidification has
with approved		method	been submitted
CAP, CAR		statement shall	to EPD on 2 Oct
and RAP		be submitted	2013. The
based on		and endorsed	method
Dutch B levels		prior to the	statement is still
referenced to ProPECC		commencement	pending for EPD's
PN3/94 –		of the biopiling	endorsement.)
Contaminated		works.	Chadrachicht.)
Land			
Assessment	A Soil Remediation Report should be submitted to EPD to demonstrate that the remediation	All areas	N/A
and	work has been properly carried out.	identified to	
Remediation)		require soil and	
		groundwater	
		remediation /	
		The	
		Remediation	
		Report shall be	
		submitted and	
		endorsed prior	
		to the	
		commencement	
		of the	
		development	
		construction	

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Impact	Mitigation Measures	Timing	Implementation Status
		works.	

Landscape and Visual Impact - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status
Landscape and Visual	On-site mature trees within the Project boundary shall be retained. Any mature tree shall not be transplanted or fell unless permission has been given by EPD.	During construction	V
Impact	During the biopiling process, the biopiles shall be limited to a height of less than 3m.		N/A
during Construction	Erection and maintenance of decorative screen/colour hoarding around the site.		V

Legend: V = implemented; X = not implemented;

@ = partially implemented; N/A = not applicable - No such work was undertaken or no such material was used on site.

Page 11 November 2013

APPENDIX D SUMMARY OF ACTION AND LIMIT LEVELS

Appendix D - Summary of Action and Limit Levels

Table 1 – Action and Limit Levels for Construction Noise (0700-1900 hrs of normal weekdays)

Location	Action Level	Limit Level			
NM1	When one documented complaint,	75 dB(A)			
NM2	related to 0700 – 1900 hours on	65/70 dB(A)*			
NM3	normal weekdays, is received from any one of the sensitive receivers.	65/70 dB(A)*			

^{*}Daytime noise Limit Level of 70 dB(A) applies to education institutions, while 65dB(A) applies during school examination period.

APPENDIX E
CALIBRATION CERTIFICATES OF
MONITORING EQUIPMENTS



綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F., 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黃竹坑道37號利達中心地下,9樓,12樓,13樓及20樓 E-mail: smec@cigismec.com Website: www.cigismec.com

Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

13CA0325 01-03

Page:

Item tested

Description:

Acoustical Calibrator (Class 1)

Manufacturer:

Type/Model No.:

Rion Co., Ltd. NC-73

Serial/Equipment No.:

10186482 / N.004.09

Adaptors used:

Item submitted by

Curstomer:

AECOM ASIA CO., LTD.

Address of Customer: Request No.:

Date of receipt:

25-Mar-2013

Date of test:

26-Mar-2013

Reference equipment used in the calibration

Description: Lab standard microphone Preamplifier Measuring amplifier Signal generator Digital multi-meter Audio analyzer	Model: B&K 4180 B&K 2673 B&K 2610 DS 360 34401A 8903B	Serial No. 2412857 2239857 2346941 61227 US36087050 GB41300350	Expiry Date: 29-May-2013 17-Dec-2013 17-Dec-2013 29-May-2013 10-Dec-2013 29-May-2013	Traceable to: SCL CEPREI CEPREI CEPREI CEPREI CEPREI CEPREI
Audio analyzer Universal counter				CEPREI CEPREI

Ambient conditions

Temperature:

22 ± 1 °C

Relative humidity: Air pressure:

60 ± 10 % 1000 ± 10 hPa

Test specifications

- The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B 1, and the lab calibration procedure SMTP004-CA-156.
- The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique. 2,
- The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference 3, pressure of 1013.25 hectoPascals as the maker's information indicates that the instrument is insensitive to pressure changes.

Test results

This is to certify that the sound calibrator conforms to the requirements of annex B of IEC 60942: 1997 for the conditions under which the test was performed. This does not imply that the sound calibrator meets IEC 60942 under any other conditions.

Details of the performed measurements are presented on page 2 of this certificate.

Approved Signatory:

Date:

26-Mar-2013

Company Chop:

Huang Jian Min/Feng Jun Qi

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

Soils & Materials Engineering Co., Ltd

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



綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F., 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黃竹坑道37號利達中心地下,9樓,12樓,13樓及20樓 E-mail: smec@cigismec.com Website: www.cigismec.com

Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

13CA1107 01-01

Page

Item tested

Description:

Sound Level Meter (Type 1)

Rion Co., Ltd.

Microphone Rion Co., Ltd.

Manufacturer: Type/Model No.:

NL-31

UC-53A

Serial/Equipment No .: Adaptors used:

90565 00320528 / N.007.03A

Item submitted by

Customer Name: Address of Customer: AECOM ASIA CO., LTD.

Request No.:

Date of receipt:

07-Nov-2013

Date of test:

08-Nov-2013

Reference equipment used in the calibration

Description:

Multi function sound calibrator

Signal generator Signal generator

Model:

DS 360

B&K 4226 DS 360

Serial No. 2288444

33873 61227 **Expiry Date:**

22-Jun-2014 15-Apr-2014 15-Apr-2014

Traceable to:

CIGISMEC CEPREI **CEPREI**

Ambient conditions

Temperature: Relative humidity: 22 ± 1 °C 60 ± 10 %

Air pressure:

1000 ± 10 hPa

Test specifications

The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152.

The electrical tests were performed using an electrical signal substituted for the microphone which was removed and 2, replaced by an equivalent capacitance within a tolerance of +20%.

3, The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

Huang Jian Min/Feng Jun Qi

Actual Measurement data are documented on worksheets.

Approved Signatory:

Date:

11-Nov-2013

Company Chop:

The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

Soils & Materials Engineering Co., Ltd.

Form No.CARP152-1/Issue 1/Rev.C/01/02/2007



綜合試驗有限公司 SOILS & MATERIALS ENGINEERING CO., LTD.

G/F., 9/F., 12/F., 13/F. & 20/F., Leader Centre, 37 Wong Chuk Hang Road, Aberdeen, Hong Kong. 香港黃竹坑道37號利達中心地下,9樓,12樓,13樓及20樓 E-mail: smec@cigismec.com Website: www.cigismec.com

Tel: (852) 2873 6860 Fax: (852) 2555 7533



CERTIFICATE OF CALIBRATION

Certificate No.:

13CA0325 01-01

Page

2

Item tested

Description:

Sound Level Meter (Type 1)

of

Manufacturer:

B&K

B&K

Type/Model No.:

2238

4188

Serial/Equipment No .:

2285692

2250420

Microphone

Adaptors used:

Item submitted by

Customer Name:

AECOM ASIA CO., LTD.

Address of Customer:

Request No .: Date of receipt:

25-Mar-2013

Date of test:

26-Mar-2013

Reference equipment used in the calibration

Description:

Multi function sound calibrator

Model: B&K 4226 Serial No.

Expiry Date:

Traceable to:

Signal generator Signal generator

DS 360 DS 360 2288444 33873

61227

22-Jun-2013 29-May-2013 29-May-2013

CIGISMEC CEPREI CEPREI

Ambient conditions

Temperature:

22 ± 1 °C

Relative humidity: Air pressure:

60 ± 10 % 1000 ± 10 hPa

Test specifications

The Sound Level Meter has been calibrated in accordance with the requirements as specified in BS 7580: Part 1: 1997 and the lab calibration procedure SMTP004-CA-152

The electrical tests were performed using an electrical signal substituted for the microphone which was removed and 2, replaced by an equivalent capacitance within a tolerance of $\pm 20\%$

The acoustic calibration was performed using an B&K 4226 sound calibrator and corrections was applied for the difference 3, between the free-field and pressure responsess of the Sound Level Meter.

Test results

This is to certify that the Sound Level Meter conforms to BS 7580: Part 1: 1997 for the conditions under which the test was performed.

Details of the performed measurements are presented on page 2 of this certificate.

in/Feng Jun Qi

Actual Measurement data are documented on worksheets.

Huang Jian

Approved Signatory:

Date:

26-Mar-2013

Company Chop:

Comments: The results reported in this certificate refer to the condition of the instrument on the date of calibration and carry no implication regarding the long-term stability of the instrument.

© Soils & Materials Engineering Co., Ltd.

Form No.CARP152-1/Issue 1/Rev.C/01/02/2007

APPENDIX F EM&A MONITORING SCHEDULES

Yau Tong Bay - Decomissioning of Shipyard Sites Tentative Impact Air Quality and Noise Monitoring Schedule for November 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Nov	2-Nov
						24-hour TSP
						1-hour TSP
3-Nov	4-Nov	5-Nov	6-Nov		8-Nov	9-Nov
				24-hour TSP		
				1-hour TSP		
10-Nov	11-Nov	12-Nov	13-Nov	14-Nov	15-Nov	16-Nov
			24-hour TSP			
			1-hour TSP			
			Noise			
17-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov
		24-hour TSP				
		1-hour TSP				
24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
	24-hour TSP					24-hour TSP
	1-hour TSP					1-hour TSP
	Noise					

The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

Yau Tong Bay - Decomissioning of Shipyard Sites Tentative Impact Air Quality and Noise Monitoring Schedule for December 2013

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1-Dec	2-Dec	3-Dec	4-Dec	5-Dec	6-Dec	7-Dec
					24-hour TSP	
					1-hour TSP	
8-Dec	9-Dec	10-Dec	11-Dec	12-Dec	13-Dec	14-Dec
				24-hour TSP		
				1-hour TSP		
				Noise		
15-Dec	16-Dec	17-Dec	18-Dec	19-Dec	20-Dec	21-Dec
			24-hour TSP			
			1-hour TSP			
22-Dec	23-Dec	24-Dec	25-Dec	26-Dec	27-Dec	28-Dec
	24-hour TSP					24-hour TSP
	1-hour TSP					1-hour TSP
	Noise					
29-Dec	30-Dec	31-Dec				

The schedule is subject to change due to unforeseeable circumstances (e.g. adverse weather, etc)

APPENDIX G
IMPACT DAYTIME CONSTRUCTION NOISE
MONITORING RESULTS AND THEIR
GRAPHICAL PRESENTATION

Appendix G Impact Daytime Construction Noise Monitoring Results

Location : NM1 (Yau Lai Estate Hong Lai House Rooftop - Façade)

Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

13-Nov-13 10:00 10:30 Cloudy 65.9 60.2 64.0 65.4 56.3 75.0 Construction activities of other contracts; Traffic Noise Construction Construction	ľ	Date	Start Time	End Time	Weather	Leve	sured I el for 30 dB(A))-min,	Baseline Noise Level, dB(A)	Corrected Construction Noise Level, dB(A) **	Limit Level, dB(A)	Major Noise Source(s) Observed	Remarks	Mean Temp. (°C)	Mean Wind Speed (m/s)	Noise Meter Model / ID	Calibrator Model / ID
13-Nov-13 10:00 10:30 Cloudy 65.9 60.2 64.0 65.4 56.3 75.0 activities of other contracts; Traffic Noise - 26.6 <5 m/s Rion NL-31 (00320528) Rion NC-73 (10186482) 25-Nov-13 15:42 16:12 Sunny 64.8 66.2 61.9 65.4 64.8 75.0 Construction activities of other contracts; - 25.3 <5 m/s B&K 2238 (2285692) Rion NC-73 (10186482)	L					Leq	L10	L90	` ,	, , ,	` '			` ,	` ,		
25-Nov-13 15:42 16:12 Sunny 64.8 66.2 61.9 65.4 64.8 75.0 activities of other contracts; - 25.3 <5 m/s B&K 2238 (2285692) Rion NC-73 (10186482)		13-Nov-13	10:00	10:30	Cloudy	65.9	60.2	64.0	65.4	56.3	75.0	activities of other contracts;	-	26.6	<5 m/s		Rion NC-73 (10186482)
		25-Nov-13	15:42	16:12	Sunny	64.8	66.2	61.9	65.4	64.8	75.0	activities of other contracts;	-	25.3	<5 m/s		Rion NC-73 (10186482)

 Average
 62.4

 Min.
 56.3

 Max.
 64.8

Location: NM2 (S.K.H. Yau Tong Kei Hin Primary School Rooftop - Façade) Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

Date	Start Time	End Time	Weather		sured Not 10 dB(A)	-min,	Baseline Noise Level, dB(A)	Corrected Construction Noise Level, dB(A) **	Limit Level, dB(A) [#]	Major Noise Source(s) Observed	Remarks	Mean Temp. (°C)	Mean Wind Speed (m/s)	Noise Meter Model / ID	Calibrator Model / ID
13-Nov-13	10:50	11:20	Cloudy	64.5	60.0	62.4	65.4	64.5	75.0	Construction activities of other contracts; Traffic Noise	-	26.6	<5 m/s	Rion NL-31 (00320528)	Rion NC-73 (10186482)
25-Nov-13	15:42	16:12	Sunny	64.8	66.2	61.9	65.4	64.8	75.0	Construction activities of other contracts; Traffic Noise	-	25.3	<5 m/s	B&K 2238 (2285692)	Rion NC-73 (10186482)

Average 64.7
Min. 64.5
Max. 64.8

Remarks:

- Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period.

^{**} Construction noise level is only calculated when Measured noise level (Leq) > Baseline noise level.

If Measured noise level < Baseline noise level, Corrected noise level = Measured noise level

Appendix G Impact Daytime Construction Noise Monitoring Results

Location : NM3 (C.C.C. Kei Faat Primary School (Yau Tong) Rooftop - Façade) Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

Date	Start Time	End Time	Weather		sured I el for 30 dB(A)	-min,	Baseline Noise Level, dB(A)		Limit Level, dB(A) [#]	Major Noise Source(s) Observed	Remarks		Mean Wind Speed (m/s)	Noise Meter Model / ID	Calibrator Model / ID
				Leq	L10	L90	GD(A)	Level, db(A)	ub(A)	Observed					
13-Nov-13	11:30	12:00	Cloudy	68.7	59.6	65.6	65.4	66.0	75.0	Construction activities of other contracts; Traffic Noise	-	26.6	<5 m/s	Rion NL-31 (00320528)	Rion NC-73 (10186482)
25-Nov-13	15:42	16:12	Sunny	64.8	66.2	61.9	65.4	64.8	75.0	Construction activities of other contracts; Traffic Noise	-	25.3	<5 m/s	B&K 2238 (2285692)	Rion NC-73 (10186482)

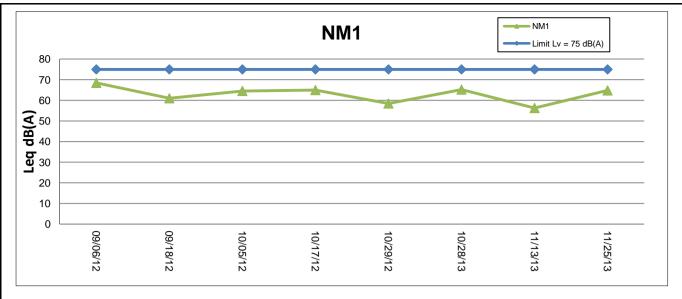
Average	65.4
Min.	64.8
Max.	66.0

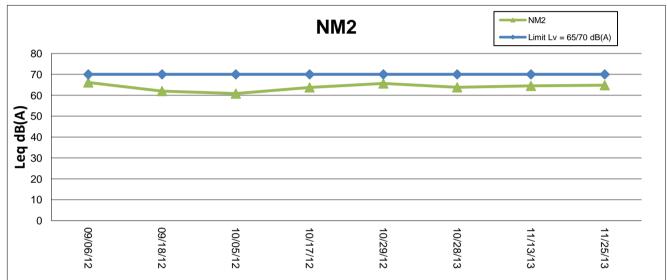
Remarks:

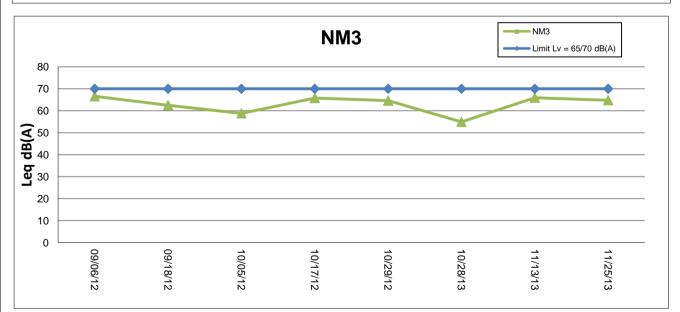
- Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period.

** Construction noise level is only calculated when Measured noise level (Leq) > Baseline noise level.

If Measured noise level < Baseline noise level, Corrected noise level = Measured noise level







Remark: Measured noise level would be shown if Measured noise level (Leq) <= Baseline noise level

| SCALE | N.T.S. | DATE |



Yau Tong Bay – Decommissioning of Shipyard Sites	OOMEL	IN. 1.5.	DATE	Dec-	13	l
raa rong bay booonimisononing or ompyara onco	CHECK	ENFL	DRAWN	JCY	K	
Graphical Presentation of Impact Daytime Construction Noise Monitoring Results	JOB NO.	60048283	APPENDI	X No.	Rev.	
Construction Noise Monitoring Results			Ì			1

APPENDIX H EVENT ACTION PLAN

Appendix H – Event Action Plan

Event / Action Plan for Noise

Event		Action	1	
Limit Level	ET Leader	IEC	ER	Contractor
Action Level	 Notify IEC, ER and Contactor; Carry out investigation and identify the source; Report the results of investigation to the IEC, ER and Contactor; Discuss with the IEC and Contractor on remedial measures required; Increase monitoring frequency to check mitigation effectiveness. 	Review the investigation results submitted by the ET; Review the proposed remedial measures by the Contractor and advise the ER accordingly; Advise the ER on the effectiveness of the proposed remedial measures.	 Confirm receipt of notification of failure in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; Supervise the implementation of remedial measures. 	Submit noise mitigation proposals to IEC and ER; Implement noise mitigation proposals.
Limit Level	 Inform IEC, ER, EPD and Contractor; Repeat measurement to confirm findings; Increase monitoring frequency; Identify source and investigate the cause of exceedance; Carry out analysis of Contractor's s working procedures; Discuss with the IEC, Contractor and ER on remedial measures require; Assess effectiveness of Contractor's remedial actions and keep IEC, EPD and ER informed of the results; If exceedance stops, cease additional monitoring. 	 Review the investigation results submitted by the ET; Check the Contractor"s working procedures; Discuss amongst ER, ET and Contractor on the potential remedial actions; Review Contractor"s remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly. 	 Confirm receipt of notification of failure in writing; Notify Contractor; In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; Supervise the implementation of remedial measures; If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated. 	 Take immediate action to avoid further exceedance; Discuss with ET, IEC and ER on proper remedial measures; Submit proposals for remedial actions to IEC and ER within 3 working days of notification; Implement the agreed proposals; Submit further proposal if problem still not under control; Stop the relevant portion of works as instructed by the ER until the exceedance is abated.

APPENDIX I TRIP TICKETS

Please carefully read the instructions overleaf before completing this form. 請細讀背頁所載指示以正確地填寫此表格。

Waste Collector's Copy 廢物收集者存根

Import 入口 Part A 甲類 DECLARATION: (廢物聲明) Export 出口 Part B 乙類 Part A Waste Notification

Reference No

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

TRIP TICKET

Ticket Number 1002010

中類化 通知書編	学····································		運載紀録					(運載紀鈴	錄編品	號): -	LU	0381	9
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Addres	ss Yau Tong Bay Redevelopment	Capacity 職位				質	據本人所知及所信,在廢物聲明,A, D(I)及E(I)欄內 (15克克) (屬真實無訛,而D(I)欄開列的廢物是已作適當的標識及 (大方便的廢物) (異者付					器真 各付	
地址	Cha Kwo Ling Road & Ko Fai R	d _{Tel. No.} 2785	5-8152				重,此證。				WIN	建荣之	
	Yau Tong	電話					igned 妥名:	ithy		Co. Chop		* 01	
廢物產	Producer Number 產生者編號 5213-290-K2822-04					Na 好	ame 注名:LEE KA	M HUNG	Date 日期	: 7-1	1-20	Time 時間: <u>/</u> クこの	0
B. WA	STE COLLECTOR (廢物收集者) Base Environ	mental (*Stat	te the appropriate on	e選擇適用者	至)							ked and then collect I), and E(II) is corre	
Compa 公司名	any Name 名 稿ervices Limited	Operator 運載員姓名	張風夢	東		-					欄載列	的廢物,而B,D(I	1)及
Addres 地址	ss Rm. 15, 9/F., 33 Sheung Yee Rd.	Tel. No. 電話	27	97-981	2	E	(II)欄內填報的資	[科,王屬具]	i meat	EC 355 .		Monmental	1
	Kowloon Bay, Kln	Vehicle Registration 車輛登記編號或船	or Vessel Licence 凸隻牌照編號	No. *	681						4	新 泰 環保服務	Ž.
Waste 廢物叫	Collection Licence Number 女集牌照編號 9210-280-S0032-W C						igned 資名:	英		Co. Chop公司印象		euns * of	
	ed Disposal Site 主的處置設施					Na	ame ta: 50	東	Date 日期			Time 時間:/O:O	0
C. RE	CEPTION POINT (廢物收集處)											D(I) has been recei	
Comp	any Name 名稱	Contact Person 聯絡人姓名	à l			4	本人(收集處經理])證實本收集處	他已接	E收在D(I)相		り and E(III) is com 内廢物・而C,D(II	
Addre 地址	SS	Capacity 職位	N 3.			Е	(III)欄內填報的	資料・全屬真質	資無計	化,此證。		industria	
		Tel. No. 電話				C				On Ohan	(Sunwell Sunwel	
							igned 簽名:	K		Co. Chop 公司印象		pi ¹	_
Waste	Disposal Licence Number 琵琶牌照編號						ame 性名:	國聖	Date 日期	:(1-)	21	Time 時間://	20
D. WA	STE DESCRIPTION (廢物資料)							(* Stat	e the	appropria	ite one	選擇適用者)	
	(1)		dentification 勿鑑定	Physical Form* 廢物形態		Contain 容器		Quantity Notified 報稱的數量		(11)		(III)	
Item			Dangerous	Solid 固體				(Part A Waste only (只適用於E		Quanti Çollect		Quantity Received	
廢物項目	12年かが毛田米百 ノバー科目 夕 毛沼	Waste Code 廢物代號	Goods (Category) 危險物品(類別)	Liquid 液體	No. 數目	Type 種類	Capacity 容量	類化學廢物		收集的數	收量	接收的數量	
		132 177 (13)4	(If applicable) (如適用者)	Sludge 污泥 Others 其他		,,,,,,,,	(L or kg)* (升或公斤)	(L or kg)* (升或公斤			(L or kg)* (升或公斤)		
1.	Unwanted diesel water	L73					L .升		L 升		L 升	L 升	
1.					30	桶	200 kg	6000 1	kg 斤		kg 公斤	6000 kg	
2.						1	L 升		L 升		L 升	L ⁻ 升	
۷.	*						kg 公斤		kg 公斤		kg 公斤	kg 公斤	
							L 升		L 升		L 升	L 升	
3.							kg 公斤		kg 公斤		kg 公斤	kg 公斤	
							L 升		L 升		L 升	L 升	
4.							kg		kg		kg	kg	
							公斤	2	公斤		公斤	公斤]
E. REM	IARKS (註釋) (Include any additional information necessary for sal	e handling of the waste.)						2	ØΠ]		公斤	[23/1]]
E. REM	(包括確保廢物安全處理的其他附加資料。) Waste Producer	e handling of the waste.)		4			公斤	2	QΠ I		公斤	公开	
	(包括確保廢物安全處理的其他附加資料。)	e handling of the waste.)		4			[[23]				公斤	[22]	

In handling Part A chemical waste, Waste Producer, Waste Collector and Reception Point must strictly follow the Directions for Disposal issued by the Director of Environmental Protection under Section 17 of the Waste Disposal Ordinance. 廢物產生者、廢物收集者及廢物收集處在處置甲類化學廢物時,必須遵守環境保護署署長根據廢物處置條例第17條所簽發的指令

WARNING: Any person(s) who knowingly or recklessly provide incorrect or misleading information or omit material particulars or information or knowingly or recklessly certify as correct anything which is incorrect, in relation to any requirement in the Regulation, commits an offence punishable with a maximum fine of \$200,000 and imprisonment for 6 months.

告:根據廢物處置(化學廢物)(一般)規例的規定,任何人士填報本表格時故意或罔顧後果地提供不確或誤導資料或遺漏重要事項,又或故意或罔顧後果地證明任何不確事項為正確,即屬違法,最高可被判罰款港幣200,000元及入獄6個月。

廢物收集處:

WASTE Import 入口 DECLARATION: — (廢物聲明) Export 出口 **Environmental Protection Department** Part A 甲類 Import 入口 環境保護署 Part B 乙類

Waste Collector's Copy

廢物收集者存根

Waste Disposal Ordinance (Chapter 354)

香港法例第354章廢物處置條例

9 9

Part A Wa Notificatio Reference	on	ste Disp	osal (C	运例第354章廢物 hemical Waste 處置(化學廢物)(e) (Genera	al) Re	gulati	on			
甲類化學	上廢物			TRIP TICK					Ticket Numb (運載紀錄編	er 扁號): 1 0	03820
通知書編	(Mag)			運載紀録	来						
	TE PRODUCER (廢物產生者)				٠,		De	eclaration, A, D(I), and E(I) sections	ER or and the	tion given in the Waste waste described in D(I)
Full Nam 全名	e Kin Wing Construction Co., Ltd	Contact P 聯絡人姓	PersorMr 性名	Wong			ha ##	as been properly	labelled apaconsig	ned to the Waste co	ollector at B. i直報的資料,全屬直
Address 地址		Capacity 職位			1		貨	蛋無訛,而D(I)概 重,此證。	開列的廢物舉已作	写適當的 [®] 歲及	填報的資料,全屬真 1.6個的資料收集者付
	Cha Kwo Ling Road & Ko Fai	Tel. No. 電話	2/8	35-8152	* 1		/4	e punz			建 杂点
	Yau Tong	тепп						igned 炎名:	ran	Co. Chop 公司印鑑·	The state of the s
Waste P 廢物產生	roducer Number 生者編號 5213-290-K2822-04			26>				ame 注名: Ken	CIPM Date	e 8-11-201	好間: 07:30
B. WAST	TE COLLECTOR (廢物收集者Sun Base Enviro	nment	al (*Stat	e the appropriate on	e 選擇適用者	当)					cked and then collected (II), and E(II) is correct.
Compan 公司名	y Name 撰 Services Limited	Operator 運載員姓	t名 3	長国京			20.00		言,本人經核對後 資料,全屬真實無。		l的廢物・而B,D(II)及
Address 地址	Rm.15, 9/F., 33 Sheung Yee Rd	Tel. No. 電話		2	2797-98	12	L	(11)1801.2335+001.33	177 土州(异) 與 2880	iic pensi	intonmen
Wasta C	Kowloon Bay, Kln	Vehicle R 車輛登記	egistration 凸編號或船	or Vessel Licence 計隻牌照編號	No. *	915	8				新基。 環保服務 有限公司
	ollection Licence Number 9210-280-S0032-WC	2	The second second					igned 簽名:	堂"	Co. Chop 公司印鑑:	Unc + ON
Intended 搬運往的	l Disposal Site 的處置設施		1					ame 3長/	到草 Dat		Time 9:30
	PTION POINT (廢物收集處)										D(I) has been received III) and E(III) is correct.
Compan 公司名		Contact F 聯絡人姓)證實本收集處已 資料,全屬真實無		的廢物,而C,D(III)及
Address 地址	,	Capacity 職位					E	(111)作用门口具并区门	夏村,王勵具具無	Kall , MCHES .	Haidings E
		Tel. No. 電話						\ /	.,		The state of the s
				у.				igned 資名:	CK	Co. Chop 公司印鑑:	Mell
Waste D 廢物点行	isposal Licence Number 置牌照編號			7	115			ame 注名:	13 B2 Dat	te :14913	Time 時間:
	TE DESCRIPTION (廢物資料)							<u> </u>	(* State th	e appropriate one	選擇適用者)
					Physical		Contain		Quantity Notified	(11)	(III)
	(1)			dentification 勿鑑定	Form* 廢物形態		容器		報稱的數量	1	
Item	*				Form* 廢物形態 Solid 固體		容器		(Part A Waste only)	Quantity	Quantity Received
Item 廢物 項目	(I) Waste Type/Chemical Name 廢物種類/化學名稱		廢物 iste Code	勿鑑定	廢物形態	No. ₩6 🖂	Type	Capacity	(Part A		Quantity Received 接收的數量
廢物	Waste Type/Chemical Name		廢牲	勿鑑定 Dangerous Goods (Category)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥	No. 數目		Capacity 容量 (L or kg)*	(Part A Waste only) (只適用於甲 類化學廢物) (L or kg)*	Quantity Collected 收集的數量 (L or kg)*	Received 接收的數量 (L or kg)*
廢物	Waste Type/Chemical Name 廢物種類/化學名稱	廢	廢牲 iste Code 序物代號	Dangerous Goods (Category) 危險物品(類別) (If applicable)	廢物形態 Solid 固體 Liquid 液體		Type	Capacity 容量 (L or kg)* (升或公斤)	(Part A Waste only) (只適用於甲 類化學廢物) (L or kg)* (升或公斤)	Quantity Collected 收集的數量 (L or kg)* (升或公斤)	Received 接收的數量 (L or kg)* (升或公斤)
廢物	Waste Type/Chemical Name		廢牲 iste Code 序物代號	勿鑑定 Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥		Type 種類	Capacity 容量 (L or kg)* (升或公斤)	(Part A Waste only) (只適用於甲 類化學廢物) (L or kg)* (升或公斤)	Quantity Collected 收集的數量 (L or kg)* (升或公斤)	Received 接收的數量 (L or kg)* (升或公斤)
廢物項目	Waste Type/Chemical Name 廢物種類/化學名稱	廢	廢牲 iste Code 序物代號	勿鑑定 Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥	數目	Type	Capacity 容量 (L or kg)* (升或公斤) 人 升	(Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤) L 升	Quantity Collected 收集的數量 (L or kg)* (升或公斤) 上 升 kg 公斤	Received 接收的數量 (L or kg)* (升或公斤)
廢物項目	Waste Type/Chemical Name 廢物種類/化學名稱	廢	廢牲 iste Code 序物代號	勿鑑定 Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥	數目	Type 種類	Capacity 容量 (Lorkg)* (升或公斤) 上升 上升	(Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤) L 升 6000	Quantity Collected 取集的數量 (L or kg)* (升或公斤) 上 升 kg 公斤	Received 接收的數量 (L or kg)* (升或公斤) L 升 GOOO kg 公斤 L 升
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廢物 項目 1.	Waste Type/Chemical Name 廢物種類/化學名稱	廢	廢牲 iste Code 序物代號	勿鑑定 Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥	數目	Type 種類	Capacity 容量 (L or kg)* (升或公斤) 上 升 kg 公斤	(Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤) と サ kg 公斤 L 升 kg 公斤 L 升	Quantity Collected 取集的數量 (L or kg)* (升或公斤) 上 升 kg 公斤 上 升 kg	Received 接收的數量 (L or kg)* (升或公斤) L 升 kg 公斤 L 升
廢物 項目 1.	Waste Type/Chemical Name 廢物種類/化學名稱	廢	廢牲 iste Code 序物代號	9鑑定 Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥	數目	Type 種類	Capacity 容量 (Lorkg)* (升或公斤) 上升 kg 公斤	(Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤) (Quantity Collected 取集的數量 (L or kg)* (升或公斤) 上 升 kg 公斤 上 升 kg 公斤	Received 接收的數量 (L or kg)* (升或公斤) 上 升 kg 公斤 上 升 kg
廢物 項目 1.	Waste Type/Chemical Name 廢物種類/化學名稱	廢	廢牲 iste Code 序物代號	勿鑑定 Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥	數目	Type 種類	Capacity 容量 (L or kg)* (升或公斤) 上升 kg 公斤 上升 kg 公斤	(Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤) L 升 kg 公斤 L 升 kg 公斤 L 升 kg 公斤 L 升	Quantity Collected 取集的數量 (L or kg)* (升或公斤) 上 升 kg 公斤 上 升 kg 公斤 上 升	Received 接收的數量 (L or kg)* (升或公斤) L 升 kg 公斤 L 升 kg 公斤
廢物 項目 1. 2.	Waste Type/Chemical Name 廢物種類/化學名稱	廢	廢牲 iste Code 序物代號	9鑑定 Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥	數目	Type 種類	Capacity 容量 (L or kg)* (升或公斤) 上升 kg 公斤 上升	(Part A Waste only) (只適用於甲類化學廢物) (上 or kg)* (升或公斤) (升	Quantity Collected 取集的數量 (L or kg)* (升或公斤) 上升 kg 公斤 上升 kg 公斤	Received 接收的數量 (L or kg)* (升或公斤) L 升 kg 公斤 L 升 kg
廢物項目 1. 2. 3.	Waste Type/Chemical Name 廢物種類/化學名權 Unwanted diesel water KS (註釋) (Include any additional information necessary for sa	, L?	廢料 iste Code 特物代號	9鑑定 Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥	數目	Type 種類	Capacity 容量 (L or kg)* (升或公斤) 上升 kg 公斤 上升 kg 公斤	(Part A Waste only) (只適用於甲類化學廢物) (上の kg)* (升或公斤) 上升 kg 公斤 上升 kg 公斤 上升 kg 公斤 上升 kg 公斤 上升	Quantity Collected 取集的數量 (L or kg)* (升或公斤) 上升 kg 公斤 上升 kg 公斤	Received 接收的數量 (L or kg)* (升或公斤) L 升 kg 公斤 L 升 kg
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廢物 項目 1. 2. 3. 4. (I) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Waste Type/Chemical Name 魔物種類/化學名種 Unwanted diesel water Waste (註釋) (Include any additional information necessary for sa (包括確保廢物安全處理的其他附加資料。) Waste Producer 寮物産生者: Waste Collector	, L?	廢料 iste Code 特物代號	9鑑定 Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	廢物形態 Solid 固體 Liquid 液體 Sludge 污泥	數目	Type 種類	Capacity 容量 (L or kg)* (升或公斤) 上升 kg 公斤 上升 kg 公斤	(Part A Waste only) (只適用於甲類化學廢物) (上の kg)* (升或公斤) 上升 kg 公斤 上升 kg 公斤 上升 kg 公斤 上升 kg 公斤 上升	Quantity Collected 取集的數量 (L or kg)* (升或公斤) 上升 kg 公斤 上升 kg 公斤	Received 接收的數量 (L or kg)* (升或公斤) L 升 kg 公斤 L 升 kg
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告:根據廢物處置(化學廢物)(一般)規例的規定,任何人士填報本表格時故意或罔顧後果地提供不確或誤導資料或遺漏重要事項,又或故意或罔顧後果地證明任何不確事 項為正確,即屬違法,最高可被判罰款港幣200,000元及入獄6個月。

EPD135 Rev. 07/07

APPENDIX J GAS FREE CERTIFICATE

Sun Base Environmental Service Limited

新基環保服務有限公司

Room 15, 9/F., 33 Sheung Yee Road, Flourish Industrial Building, Kowloon Bay, Kowloon.

Tel: 2797 9812 Fax: 2622 2816 Email: sbes@biznetvigator.com

Certificate No.: 20131108ML

Gas Free Certificate

This is to certify that the undersigned did at 16:00 hours on 08 November 2013 attend on site the Ko Fai Road, Yau Tong Bay Re-development, Kowloon. to conduct tests for the presence of explosive, combustible or toxic gases in the under-mentioned compartment and / or tank.

The Following Compartment and / or tanks were tested by me means of a gas detector for the presence of explosive, combustible or toxic gases. The Gas Detector used is branded CROWNCON and Typed Crown Terta Portable Gas Detector bearing a serial number of 100402775/06-027. The Last calibration of it was done on 26 September 2013. The gases tested are H₂S*, CO*, O₂*, LEL*.

Number		RESULTS AND / OR REMARKS
1.	Compartment A	Flammable Vapour Free
	,	0% LEL
2.	Compartment B	Flammable Vapour Free
		0% LEL

I hereby certify the above tests and result and declare that I am an Approved Person by the Director of Fire Services for Certification of Flammable Vapour Free (Gas Free) for Work on Stores, Containers and Tanks under Regulations 108, 120 & 128 of the Dangerous Goods (General) Regulations.

Lau Kwok Wah
Test Conductor

08 November 2013

^{*} Delete as necessary

APPENDIX K SITE INSPECTION SUMMARIES

Yau Tong Bay -Decommissioning of Shipyard Sites



Site Inspection Summary

Inspection Information

Date:	7 November 2013
Time:	10:00
Inspection No.:	52

Non-compliance Nil

Observations

Follow Up Observations

- 1. Stockpiles of wastes / construction materials should be covered. However, the number of uncovered stockpiles has decreased.
- 2. Regular spraying of water to stockpile materials or dusty site surfaces should be maintained.
- 3. Two wheel washing facilities have been constructed while the remaining one is under construction.
- 4. Recycling bins were provided at the site office area and site exits (Closed).

New Observations

Nil.

Remarks

Nil

Yau Tong Bay -Decommissioning of Shipyard Sites



Site Inspection Summary

Inspection Information

Date:	14 November 2013
Time:	10:00
Inspection No.:	53

Non-compliance Nil Observations Follow Up Observations 1. Stockpiles of wastes / construction materials should be covered. However, the number of uncovered stockpiles has decreased (Closed). 2. Regular spraying of water to stockpile materials or dusty site surfaces should be maintained. 3. Two wheel washing facilities have been constructed while the remaining one is under construction. **New Observations** Nil.

Remarks

Nil

Yau Tong Bay -Decommissioning of Shipyard Sites



Site Inspection Summary

luana antinu	1.050,0000	
Inspection	IMICATEN2	1717171

Date:	22 November 2013
Time:	16:00
Inspection No.:	54

Date:		22 November 2013							
Time:		16:00							
Inspection No.:		54							
Non-compliance									
	Nil								
Observations									
Follow Up Observations									
1.	. Regular spraying of water to stockpile materials or dusty site surfaces should be maintained.								
2.	Two wheel washing facilities have been constructed while the remaining one is under construction.								
	New Observations								
	Nil.								
Remarks									
	Nil								

Yau Tong Bay -

Decommissioning of Shipyard Sites



Site Inspection Summary

Inspection Information

mopoduom mionin	mopoeden miermaden					
Date:	26 November 2013					
Time:	15:20					
Inspection No.:	55					

Non-compliance Nil

Observations

Follow Up Observations

- Regular spraying of water to stockpile materials or dusty site surfaces should be maintained. Water sprinklers are provided along the traffic road in the site. However, some areas are not covered by sprinklers. Regular spraying of water by other methods (e.g. water vehicles) at those areas should be maintained.
- 2. Two wheel washing facilities have been constructed while the remaining one is under construction.

New Observations

3. A small opening was found at the hoarding at the roadside near YTML 6-11. The opening should be covered.

Remarks

Nil

APPENDIX L
STATISTICS ON COMPLAINTS,
NOTIFICATION OF SUMMONS AND
SUCCESSFUL PROSECUTIONS

Appendix L

Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

	Date Received	Subject	Status	Total no. in this reporting period	Total no. since project commencement
Environmental complaints	-	-	-	0	4
Notification of summons	-	-	-	0	0
Successful Prosecutions	-	-	-	0	0