AECOM

Main Wealth Development Ltd.

Yau Tong Bay – Decommissioning of Shipyard Sites

Monthly EM&A Report for May 2014

[06/2014]

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

18 June 2014

Attn : Ms. Amy Chan / Mr. Gregory Chan

Dear Madam/ Sir,

Yau Tong Bay – Decommissioning of Shipyard Sites
Environmental Permit No. EP-409/2010
Condition 5.4 – Monthly EM&A Report for May 2014 (version: Rev. 0)

Further to the receipt from Environmental Team (ET) of the captioned Monthly EM&A Report on 12 and 13 June 2014 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)

NATURE & TECHNOLOGIES (HK) LIMITED
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Our Ref: 3.14/018/2009/at

19 June 2014

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

Attn: Ms. Amy Chan

Dear Ms. Chan,

Yau Tong Bay – Decommissioning of Shipyard Sites
Environmental Permit No. EP-409/2010
Monthly EM&A Report for May 2014 (Version: Rev.0)

With reference to the captioned document verified by IEC on 18 June 2014, 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

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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 building structures on land commenced on 21 November 2011 and was completed in September 2012. The demolition works of marine structures are yet to commence.

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. The remediation method statement was approved by the EPD on 20 December 2013. The soil remediation works commenced on 23 December 2013.

This report documents the findings of EM&A works conducted in the period between 1 and 31 May 2014.

As informed by the Contractor, the major construction activities carried out in the reporting period were:

- Backfill to Zones R2, R3, R4, R5, R6, R7, R8, A1, A3, A4, A5, T22BA, T22BB, T32C, T32E (inner) and T35C;
- Cleanup progress monitoring of Biopile; and
- Disposal of contaminated soil in Zone T32E to the South East New Territories (SENT) Landfill.

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

Daytime noise monitoring	2 sessions
Water quality monitoring	0 session
Environmental site inspection	4 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 continue to take place in June 2014.

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。

船廠陸上建築物的拆卸工程於二零一一年十一月二十一日展開，並於二零一二年九月完工。船廠海上建築物的拆除工作尚未開始。

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。環保署在二零一三年十二月二十日批准了土地整治方法聲明。土壤修復工程於二零一三年十二月二十三日開始。

本報告記錄了於二零一四年五月一日至五月三十一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為：

1. 在區域 R2、R3、R4、R5、R6、R7、R8、A1、A3、A4、A5、T22BA、T22BB、T32E（內部）和 T35C 的回填、
2. 生物堆清理進度監控，以及
3. 在新界東南堆填區處置區域 T32E 的污染土壤。

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

因為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

污染土壤的挖掘將在 2014 年 6 月繼續。

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.

1.1.2. The Project is a designated project and is governed by the Environmental Permit No. EP-409/2010 (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 shipyards, 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

1.1.5. 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.

1.1.7. According to the updated programme, the demolition works of the Project commenced on 21 November 2011. Hoarding and demolition works for the Project were completed in September 2012. The remediation method statement was approved by the EPD on 20 December 2013. The soil remediation works commenced on 23 December 2013.

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 twentieth 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 from 1 to 31 May 2014.

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)	Lee Kam Hung	2717 9139	2725 9316
Independent Environmental Checker (IEC) (Mott MacDonald Hong Kong Limited)	Terence Kong	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 remediation method statement was approved by the EPD on 20 December 2013. The soil remediation works commenced on 23 December 2013.

1.4.3 As informed by the Contractor, the major construction activities carried out in the reporting period were:

- Backfill to Zones R2, R3, R4, R5, R6, R7, R8, A1, A3, A4, A5, T22BA, T22BB, T32C, T32E (inner) and T35C;
- Cleanup progress monitoring of Biopile; and
- Disposal of contaminated soil in Zone T32E to the South East New Territories (SENT) Landfill.

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 **implemen**tation 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	B&K 2250L (2681366); Rion NL-31 (00320528)
Acoustic Calibrator	Rion NC-73 (10307223)

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

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 and Frequency

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

Parameter	Frequency
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 May 2014 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), $L_{eq\ (30\ mins)}$	**Range, dB(A), $L_{eq\ (30\ mins)}$**	**Limit Level, dB(A), $L_{eq\ (30\ mins)}$**
NM1	64.5	64.1 – 64.8	75
NM2	62.0	53.9 – 64.7	70#
NM3	65.6	65.4 – 65.8	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 The remediation method statement was approved by the EPD on 20 December 2013. The soil remediation works were commenced on 23 December 2013.

4.1.2 Cement Solidification and Stabilization was commenced on 21 January 2014 and biopile remediation was commenced on 24 March 2014. Monitoring works has been conducted accordingly.

4.2 Excavation Progress

4.2.1 Excavation for all contaminated soil requiring biopile and/or cement solidification treatment has been completed in zones T19A, T22BA, T22BB, T32C, T32E, T35C, T36A, A1, A2, A3, A4, A5, R1, R2, R3, R4, R5, R6, R7 and R8. Soil in zone T32D, which required landfill disposal, has not been excavated yet and will be excavated in later phase. Cement solidification and stabilization have been completed for soils excavated from zones T19A, T22BA, T22BB, T32C, T36A, A1, A3, A4, A5, R5, R6, R7 and R8 in previous months. All the soil requiring biopiling treatment has been transferred to the biopile and the biopilng treatment was commenced on 24 March 2014. 23 monitoring samples of the biopile were collected in the reporting period. The biopile and cement solidification progress are presented in Section 4.3.

4.2.2 Verification sampling 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)*) to define the contamination extent. The excavation extends for all the zones have been confirmed according to the verification sampling results. The locations of the contamination zones are shown in **Figure 4** and the finalized excavation extent of the contaminated zones are indicated in **Figures 5** to **12**. The excavation extent of each zone is summarized in **Table 4.1**.

Table 4.1 Excavation Extent of Contaminated Zones

Zone	Depth		Area of Contaminated Zone (m^2)	Volume of Contaminated Soil (m^3)	Treatment Method
	(mbgl)	(m)			
T19A	0.5-2	1.5	95	143	Cement S/S
T22BA	0-2.5	2.5	102	254	Cement S/S
T22BB	1.5-3	1.5	166	249	Cement S/S
T32C	1.5-3.5	2	87	174	Cement S/S
T32D	0.5-1.5	1	79	79	Landfill disposal
T32E (outer)	0-1.5	1.5	517	817	Biopile
T32E (inner)	0-3	3	166	497	Landfill disposal
T35C	0-2.5	2.5	571	1433	Biopile
T36A	0-1.5	1.5	70	104	Cement S/S
A1	0-1	1	25	25	Cement S/S

Zone	Depth		Area of Contaminated Zone (m^2)	Volume of Contaminated Soil (m^3)	Treatment Method
	(mbgl)	(m)			
A2	1-2.35	1.35	35	47	Biopile
A3	2.35-4.95	2.6	30	79	Cement S/S
A4	1-2.45	1.45	39	56	Cement S/S
A5	1.4-2.55	1.15	45	52	Cement S/S
R1	0-1	1	25	25	Biopile
R2	0-1	1	30	30	Biopile
R3	0-3.95	3.95	25	99	Biopile
R4	0-1	1	25	25	Biopile
R5	0-1	1	28	28	Cement S/S
R6	2.7-4.15	1.45	25	36	Cement S/S
R7	3.1-4.55	1.45	28	40	Cement S/S
R8	2.5-4.45	1.95	25	49	Cement S/S

Note:
Cement S/S: Cement Solidification and Stabilization

4.2.3 Independent Environmental Auditor (IEA) has conducted spot check sampling for biopile progress monitoring (Sample ID: BP2/T2/1/IEA) on 19 May 2014 which is pending for test result. The testing results of the IEA samples and the corresponding verification/monitoring samples collected since December 2013 are summarized in **Table 4.2** and are found to be in order with the results of the Contractor. The corresponding laboratory report received in this reporting period is included in **Appendix K**.

Table 4.2 Results of Spot-check Samples and Corresponding Verification Samples

Parameters			*Lead (Dutch B Standard) (mg/kg)*	*TPH (Dutch B Standard) (µg/kg)*					*PCR(RBRG) (µg/kg)*		*SVOC (RBRG) (µg/kg)*	*TCLP (mg/kg)*
			Lead	C6-C9	C10-C14	C15-C28	C29-C36	Total TPH	C9-C16	C17-C35	Bis(2-ethylhexyl) phthalate	Lead
Limit of Reporting (LOR)			1	2	50	100	100	252	200	500	5	0.1
Standard limits			150	-	-	-	-	1,000	2,240	10,000	30	0.75
Zone ID	**Sampling ID**	**Sampling Date**										
T22BA	T22BA.4.1/SW/0.75	4/12/2014	131	-	-	-	-	-	-	-	-	-
	T22BA.4.1/SW/0.75/IEA*	4/12/2014	112	-	-	-	-	-	-	-	-	-
R3	R3.1-R3.2/SW/2.475	19/12/2013	-	-	-	-	-	-	299	9,030	-	-
	R3.1-R3.2/SW/2.475/IEA*	19/12/2013	-	-	-	-	-	-	266	9,270	-	-
T35C	T35C.56/SW/1.25	9/1/2014	-	<2	<50	<100	<100	<252	-	-	-	-
	T35C.56/SW/1.25/IEA*	9/1/2014	-	<2	<50	<100	<100	<252	-	-	-	-
R5	R5/TCLP	22/1/2014	-	-	-	-	-	-	<0.1	<0.1	-	<0.1
	R5/TCLP/IEA*	22/1/2014	-	-	-	-	-	-	<0.1	<0.1	-	<0.1
T32E	T32E/B/5	24/2/2014	-	<2	<50	<100	<100	<252	-	-	-	-
	T32E/B/5/IEA*	24/2/2014	-	<2	<50	<100	<100	<252	-	-	-	-
T19A	T19A/TCLP.2	14/3/2014	-	-	-	-	-	-	-	-	-	<0.1

Parameters			*Lead (Dutch B Standard) (mg/kg)*	*TPH (Dutch B Standard) (µg/kg)*					*PCR(RBRG) (µg/kg)*		*SVOC (RBRG) (µg/kg)*	*TCLP (mg/kg)*
			Lead	C6-C9	C10-C14	C15-C28	C29-C36	Total TPH	C9-C16	C17-C35	Bis(2-ethylhexyl) phthalate	Lead
Limit of Reporting (LOR)			1	2	50	100	100	252	200	500	5	0.1
Standard limits			150	-	-	-	-	1,000	2,240	10,000	30	0.75
Zone ID	**Sampling ID**	**Sampling Date**										
	T19A/TCLP.2/IEA*	14/3/2014	-	-	-	-	-	-	-	-	-	<0.1
Biopile	BP6/T1	23/4/2014	-	-	-	-	-	-	-	-	<5	-
	BP6/T1/IEA*	23/4/2014	-	-	-	-	-	-	-	-	<5	-

Note:
*: Spot check samples collected by IEA
-: The parameter is not being tested in the corresponding sample.

4.3 Cement Solidification / Stabilization and Biopiling Progress

4.3.1 The cement solidification treatments have been completed for all the required zones (T19A, T22BA, T22BB, T32C, T36A, A1, A3, A4, A5, R5, R6, R7, and R8) except A2. Since the soil in zone A2 is contaminated with bis-(2-ethylhexyl)phthalate and lead, biopiling treatment is required and cement solidification will be conducted after biopiling treatment has been completed. All monitoring samples of the soil treated by cement solidification have met the remediation target of the Toxicity Characteristic Leaching Procedure (TCLP) and Unconfined Compressive Strength (UCS) tests. The TCLP and UCS test results were summarized in **Table 4.3** and **Table 4.4** respectively. The treated soil was used to backfill the excavation zones on site.

4.3.2 The set up of the biopiling facility has been completed in March. Excavated soil from zones A2, R1, R2, R3, R4, T32E and T35C have been transferred to the facility and piled up as indicated in **Figure 15**. The biopiling treatment is currently in progress. 23 monitoring samples were collected from the biopile in the reporting period. The results received as of 31 May are summarized in **Table 4.6** and **4.7**.

4.4 Landfill Disposal Progress

1.3.1 PCB contaminated soil in zone T32D and T32E are subject to landfill disposal. The soils are packed and sealed in impermeable containers with proper labels indicating the type of chemical waste. The containers with the contaminated soil are then collected by a licensed chemical waste collector. Sun Base Environmental Service Limited is commissioned by the contractor as the licensed chemical waste collector to collect and transfer the contaminated soil from the Site to the South East New Territories (SENT) Landfill. A portion of the contaminated soil from zone T32E was packed and disposed to the Landfill on 14, 22, 24, 27, 29, and 31 May 2014. A total of ~47,500 kg (approximately 36m^3) of contaminated soil has been transported to the SENT landfill. The corresponding trip tickets were annexed in **Appendix L**.

4.5 Monitoring Testing Results

Excavation

4.5.1 In accumulation, 408 verification samples have been collected at this stage. As of 30 April 2014, the results for all the 408 verification samples were received. According to the test results, the excavation extents for all the contaminated zones have been verified and all excavation works on site is completed except for zone T32D. The soil in T32D will be excavated and disposed to landfill in a later phase. The excavation extent of each zone is presented in **Table 4.1** and **Figure 5** to **14**.

4.5.2 1 set of QA/QC sample (EB/FB 21) was collected in April 2014. The result has been received in the reporting period. The result is presented in **Table 4.8** and the corresponding laboratory report is included in **Appendix K**.

Cement Solidification / Stabilization (S/S)

4.5.3 A total of 42 sets of monitoring samples (for TCLP & UCS test) were collected since the commencement of cement solidification. The results are summarized in **Table 4.3** and **4.4**. The testing results show that all the cement treated soils have met the relevant treatment targets.

4.5.4 According to the CAR/RAPs *(a) 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* and *(b) 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*), QA/QC samples are required for every 20 samples collected for TCLP tests for the soil of A- and R- zones. 2 sets of QA/QC samples (EB/FB22(TCLP) and EB/FB23(TCLP)) have been collected since the commencement of cement solidification / stabilization. The results have been received and summarized in **Table 4.8**. All testing parameters of the blank samples are below the reporting limit. Procedures for sample collection and preparation are considered acceptable.

Table 4.3 Results of TCLP Test of Cement S/S Treated Soil

Parameter			TCLP (Lead)	TCLP (Copper)
LOR (mg/kg)			0.1	0.1
Treatment Target Limit (mg/kg)			<0.75	<7.8
Zone ID	**Sample ID**	**Date of Sampling**		
A1	A1/TCLP	21/1/2014	<0.1	-
	A1/TCLP.1	21/1/2014	<0.1	-
A3	A3/TCLP	2/4/2014	<0.1	-
	A3/TCLP.1	2/4/2014	<0.1	-
	A3/TCLP.2	4/3/2014	<0.1	-
	A3/TCLP.3	4/3/2014	<0.1	-
A4	A4/TCLP	9/4/2014	<0.1	-
	A4/TCLP.1	9/4/2014	<0.1	-
	A4/TCLP.2	9/4/2014	<0.1	-
A5	A5/TCLP	7/4/2014	<0.1	-
	A5/TCLP.1	7/4/2014	<0.1	-
	A5/TCLP.2	7/4/2014	<0.1	-
R5	R5/TCLP	22/1/2014	<0.1	-
	R5/TCLP.1	22/1/2014	<0.1	-
R6	R6/TCLP	4/16/2014	<0.1	-
	R6/TCLP.1	4/16/2014	<0.1	-
R7	R7/TCLP	14/4/2014	<0.1	-
	R7/TCLP.1	14/4/2014	<0.1	-
R8	R8/TCLP	28/2/2014	<0.1	-
	R8/TCLP.1	28/2/2014	<0.1	-
	R8/TCLP.2	28/2/2014	<0.1	-
T19A	T19A/TCLP.1	12/3/2014	<0.1	-
	T19A/TCLP.2	14/3/2014	<0.1	-
T22BA	T22BA/TCLP	17/3/2014	<0.1	-
	T22BA/TCLP.1	17/3/2014	<0.1	-
	T22BA/TCLP.2	17/3/2014	<0.1	-
	T22BA/TCLP.3	17/3/2014	<0.1	-

Parameter			TCLP (Lead)	TCLP (Copper)
LOR (mg/kg)			0.1	0.1
Treatment Target Limit (mg/kg)			<0.75	<7.8
Zone ID	Sample ID	Date of Sampling		
	T22BA/TCLP.4	20/3/2014	<0.1	-
	T22BA/TCLP.5	20/3/2014	<0.1	-
T22BB	T22BB/TCLP	25/3/2014	<0.1	<0.1
	T22BB/TCLP.1	25/3/2014	<0.1	<0.1
	T22BB/TCLP.2	25/3/2014	<0.1	<0.1
	T22BB/TCLP.3	27/3/2014	<0.1	<0.1
	T22BB/TCLP.4	27/3/2014	<0.1	<0.1
T32C	T32C/TCLP	4/3/2014	<0.1	-
	T32C/TCLP.1	4/3/2014	<0.1	-
	T32C/TCLP.2	5/3/2014	<0.1	-
	T32C/TCLP.3	5/3/2014	<0.1	-
T36A	T36A/TCLP	25/2/2014	<0.1	-
	T36A/TCLP.1	26/2/2014	<0.1	-
	T36A/TCLP.2	26/2/2014	<0.1	-

Table 4.4 Results of UCS Test of Cement S/S Treated Soil

Parameter			UCS
LOR (kPa)			0.5
Treatment Target Limit (kPa)			>1
Zone ID	Sample ID	Date of Sampling	
A1	A1/TCLP	21/1/2014	3.5
	A1/TCLP.1	21/1/2014	1.7
A3	A3/TCLP	2/4/2014	2
	A3/TCLP.1	2/4/2014	2.1
	A3/TCLP.2	4/3/2014	2.9
	A3/TCLP.3	4/3/2014	2.6
A4	A4/TCLP	9/4/2014	1.6
	A4/TCLP.1	9/4/2014	1.8
	A4/TCLP.2	9/4/2014	1.8
A5	A5/TCLP	7/4/2014	2.6
	A5/TCLP.1	7/4/2014	2.3
	A5/TCLP.2	7/4/2014	2.3
R5	R5/TCLP	22/1/2014	2.5
	R5/TCLP.1	22/1/2014	2.5
R6	R6/TCLP	4/16/2014	3.3
	R6/TCLP.1	4/16/2014	3.2
R7	R7/TCLP	14/4/2014	7.9
	R7/TCLP.1	14/4/2014	8.2
R8	R8/TCLP	28/2/2014	1.5
	R8/TCLP.1	28/2/2014	1.3
	R8/TCLP.2	28/2/2014	1.4

Parameter			UCS
LOR (kPa)			0.5
Treatment Target Limit (kPa)			>1
Zone ID	**Sample ID**	**Date of Sampling**	
T19A	T19A/TCLP.1	12/3/2014	1.6
	T19A/TCLP.2	14/3/2014	1.5
T22BA	T22BA/TCLP	17/3/2014	1.5
	T22BA/TCLP.1	17/3/2014	1.8
	T22BA/TCLP.2	17/3/2014	1.8
	T22BA/TCLP.3	17/3/2014	1.6
	T22BA/TCLP.4	20/3/2014	1.6
	T22BA/TCLP.5	20/3/2014	1.9
T22BB	T22BB/TCLP	25/3/2014	1.9
	T22BB/TCLP.1	25/3/2014	1.5
	T22BB/TCLP.2	25/3/2014	1.5
	T22BB/TCLP.3	27/3/2014	1.5
	T22BB/TCLP.4	27/3/2014	1.2
T32C	T32C/TCLP	4/3/2014	1.1
	T32C/TCLP.1	4/3/2014	1.6
	T32C/TCLP.2	5/3/2014	1.2
	T32C/TCLP.3	5/3/2014	1.2
T36A	T36A/TCLP	25/2/2014	1.1
	T36A/TCLP.1	26/2/2014	2
	T36A/TCLP.2	26/2/2014	2.1

Bioremediation

4.5.5 Biopiling treatment was commenced on 24 March 2014. Progress monitoring samples are required for every 20m^3 contaminated soils from zones R1-R4 and A2 per month; and every 360m^3 soils from zones T32E and T35C per fortnight. The sampling plan for biopile monitoring is summarized in **Table 4.5**. In total, 20 sampling locations were identified for the biopile as indicated in **Figure 13** and monitoring samples are taken from these locations according to the abovementioned schedule. 23 monitoring samples were collected from the biopile in the reporting period. The results were received as of 31 May 2014 are summarized in **Table 4.6** and **Table 4.7**.

4.5.6 Bioremediation system closure assessment will be conducted once satisfactory results are obtained during progress monitoring. Soil samples will be taken for every 20m^3 soils from zones R1-R4 and A2; and every 76.5m^3 soils from zones T32E and T35C for closure assessment. The sampling plan is indicated in **Table 4.5**.

4.5.7 According to the testing results of the sample collected in the first monitoring (T0), remediation target has already been met for the contaminated soil from Zone R1, R2, R4, A2 and R3. This may be due to localized contaminants in the soil. As a conservative approach, the soil from R1, R2, R4, A2 and R3 will be treated in the biopile for at least 2 months before conducting closure assessment even the treatment target has already been met in the first monitoring. Sampling at BP1 – BP6 and BP6A for soil from these zones (R1, R2, R4, A2 and R3) has been conducted for 2 months and the results are summarized in **Table 4.6**. It is found that remediation targets have been achieved for 2 consecutive months at these locations except for BP2.

4.5.8 The results for sampling location BP2 show that, remediation targets have been achieved for the first 2 sampling event (T0 and T1). However, exceedance has been found in the current month (T2). This may due to the uneven distribution of contaminants. As such, biopiling treatment will continue and monitoring sample at BP2 will be collected as scheduled in **Table 4.5** until satisfactory results is achieved.

4.5.9 According to the testing results, treatment targets have been achieved at BP1, BP3 – BP10 and BP14 – BP19 for two consecutive sampling events. As a result, further sampling was not made at these sampling locations. Biopilling treatment will proceed and progress monitoring samples for BP2, BP11 - BP13 will be collected as scheduled in **Table 4.5** until satisfactory results is achieved.

4.5.10 According to the CAR/RAPs as listed in Section 4.5.4, QA/QC samples are required for every 20 samples collected for monitoring tests for the soil of A- and R- zones. 2 sets of QA/QC sample (EB/FB24(BP) and EB/FB25(BP)) have been collected since the commencement of biopiling treatment. The result has been received and included in **Table 4.8**.

Table 4.5 Sampling Plan for Bioremediation Progress Monitoring

Zone	Volume of Soil (m^3)	Progress Monitoring			Closure Assessment
		Minimum No. of samples required	Sampling Frequency	Respective Samples	Minimum No. of samples required
R1, R2, & R4 #	80	4	Monthly	BP1-BP4	4
R3	99	5	Monthly	BP14-BP19*	5
A2	47	3	Monthly	BP5, BP6, BP6A	3
T35C	1433	4	Fortnightly	BP7-BP10	19
T32E	817	3	Fortnightly	BP11-BP13	11

Note:
The soil volume of R1, R2 and R4 are $25m^3$, $30m^3$ and $25m^3$ respectively.
* BP19 is an extra sample taken by the Contractor.

Table 4.6 Results for Biopile Monitoring Sample (Zones R1-R4 and A2)

Monitoring Sampling Location	Corresponding Contaminated Zone	Target Contaminant	Remediation target (mg/kg)	LOR (mg/kg)	T0 24-25/3/2014	T1 23/4/2014	T2 19/5/2014
BP1	R1,R2,R4	Bis-(2-ethlhexyl)-phthalate	30	5	<5	<5	<5
BP2	R1,R2,R4	Bis-(2-ethlhexyl)-phthalate	30	5	9.01	20.9	**52.2**
BP3	R1,R2,R4	Bis-(2-ethlhexyl)-phthalate	30	5	11.7	6.08	<5
BP4	R1,R2,R4	Bis-(2-ethlhexyl)-phthalate	30	5	<5	<5	<5
BP5	A2	Bis-(2-ethlhexyl)-phthalate	30	5	<5	<5	<5
BP6	A2	Bis-(2-ethlhexyl)-phthalate	30	5	<5	<5	<5
BP6A	A2	Bis-(2-ethlhexyl)-phthalate	30	5	<5	<5	<5
BP14	R3	Bis-(2-ethlhexyl)-phthalate	30	5	<5	<5	<5

Monitoring Sampling Location	Corresponding Contaminated Zone	Target Contaminant	Remediation target (mg/kg)	LOR (mg/kg)	T0 24-25/3/2014	T1 23/4/2014	T2 19/5/2014
		Benzene	0.704	0.2	<0.2	<0.2	<0.2
		PCR C9-C16	2240	200	<200	<200	<200
		PCR C17-C35	10000	500	638	642	2450
BP15	R3	Bis-(2-ethlhexyl)-phthalate	30	5	<5	5.39	<5
		Benzene	0.704	0.2	<0.2	<0.2	<0.2
		PCR C9-C16	2240	200	<200	<200	<200
		PCR C17-C35	10000	500	1290	1810	2540
BP16	R3	Bis-(2-ethlhexyl)-phthalate	30	5	<5	26	<5
		Benzene	0.704	0.2	<0.2	<0.2	<0.2
		PCR C9-C16	2240	200	<200	<200	<200
		PCR C17-C35	10000	500	930	1060	1600
BP17	R3	Bis-(2-ethlhexyl)-phthalate	30	5	<5	<5	5.05
		Benzene	0.704	0.2	<0.2	<0.2	<0.2
		PCR C9-C16	2240	200	<200	<200	<200
		PCR C17-C35	10000	500	1860	1400	1620
BP18	R3	Bis-(2-ethlhexyl)-phthalate	30	5	5.98	<5	<5
		Benzene	0.704	0.2	<0.2	<0.2	<0.2
		PCR C9-C16	2240	200	<200	<200	<200
		PCR C17-C35	10000	500	1000	970	1040
BP19	R3	Bis-(2-ethlhexyl)-phthalate	30	5	<5	<5	<5
		Benzene	0.704	0.2	<0.2	<0.2	<0.2
		PCR C9-C16	2240	200	<200	<200	<200
		PCR C17-C35	10000	500	2210	1900	963

Note:
The data exceeding relevant remediation target is indicated in **bold and underlined**.

Table 4.7 Results for Biopile Monitoring Sample (Zones T35C and T32E)

Monitoring Sampling Location	Corresponding Contaminated Zone	Target Contaminant	Remediation target (mg/kg)	LOR (mg/kg)	T0 24-25/3/2014	T1 7/4/2014	T2 24/4/2014	T3 5/5/2014	T4 19/5/2014
BP7	T35C	TPH	1000	252	<252	**2580**	<252	<252	-
BP8	T35C	TPH	1000	252	<252	<252	<252	<252	-
BP9	T35C	TPH	1000	252	<252	<252	<252	<252	-
BP10	T35C	TPH	1000	252	<252	<252	<252	<252	-
BP11	T32E	TPH	1000	252	**1163**	931	772	**1283**	600
BP12	T32E	TPH	1000	252	840	**3196**	815	**1203**	738
BP13	T32E	TPH	1000	252	**1223**	**1365**	**1326**	**1179**	716

Note:
The data exceeding relevant remediation target is indicated in **bold and underlined**.
-: Sample is not collected for the corresponding sampling location

Table 4.8 Results of QA/QC Samples received in May 2014

Parameter		Benzene (µg/L)	PCR C9-C16 (mg/L)	PCR C17-C35 (mg/L)	bis-(2-Ethylhexyl) phthalate (µg/L)	Lead (µg/L)
Limit of Reporting (LOR)		0.5	0.5	0.5	10	1
Sample ID	**Date of Sampling**					
EB21	16/04/2014	-	-	-	-	<1
FB21	16/04/2014	-	-	-	-	<1
EB22 (TCLP)	05/05/2014	-	-	-	-	<1
FB22 (TCLP)	05/05/2014	-	-	-	-	<1
EB23 (TCLP)	05/05/2014	-	-	-	-	<1
FB23 (TCLP)	05/05/2014	-	-	-	-	<1
EB24 (BP)	05/05/2014	<0.5	<0.5	<0.5	<10	-
FB24 (BP)	05/05/2014	<0.5	<0.5	<0.5	<10	-
EB25 (BP)	19/05/2014	<0.5	<0.5	<0.5	<10	-
FB25 (BP)	19/05/2014	<0.5	<0.5	<0.5	<10	-

Note:
-: The parameter is not being tested in the corresponding sample.

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 5, 14, 22 and 26 May 2014 respectively.

5.1.2 The environmental site inspection summary is provided in **Appendix I**.

5.1.3 Particular observations during the site inspection are described below:-

Air Quality

5.1.4 Regular spraying of water has been maintained for areas not covered by water sprinklers (Reminder).

Noise

5.1.5 No adverse observation was identified in the reporting period.

Water Quality

5.1.6 No adverse observation was identified in the reporting period.

Land Contamination

5.1.7 The IEA has collected spot check samples and the results are in order with the verification samples collected by the Contractor. The IEA sample results are listed with its corresponding test samples in Table 4.2. The laboratory report of IEA sample is included in Appendix K.

Chemical and Waste Management

5.1.8 No adverse observation was identified in the reporting period.

Landscape and Visual Impact

5.1.9 No adverse observation was identified in the reporting period.

Miscellaneous

5.1.10 No adverse observation was identified in the reporting period.

5.1.11 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, 36m^3 of soil (of which 0m^3 was artificial hard material) was excavated on site; it will be either mixed with cement or transferred to biopile for treatment. No general refuse was generated on site and disposed of at the SENT Landfill. 744m^3 of inert C&D materials were reused on site. 35m^3 of excavated soil was disposed of at the SENT Landfill. No metals, paper/cardboard packaging or plastics were generated and collected by the registered recycling collectors.

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	To	
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
APCO	Notification Pursuant to Section 3(1) of The Air Pollution Control (Construction Dust) Regulation	365200	02/10/2013	N/A	Whole Construction Site

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 J**.

6 FUTURE KEY ISSUES

6.1 Construction Programme for the Coming Months

6.1.1 The proposed major construction works for the Project in June and July 2014 include:-

- Operation and maintenance of the Biopile System
- Backfill to the outstanding zones; and
- Disposal of contaminated soil in Zone T32E to the SENT Landfill.

6.2 Key Issues for the Coming Month

6.2.1 Excavation of contaminated soil will continue to take place in June 2014.

6.3 Monitoring Schedule for the Coming Month

6.3.1 The tentative schedule for environmental monitoring in June 2014 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

- Regular spraying of water should be maintained for areas not covered by water sprinklers.

Construction Noise Impact

- Nil.

Water Quality Impact

- Nil.

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.

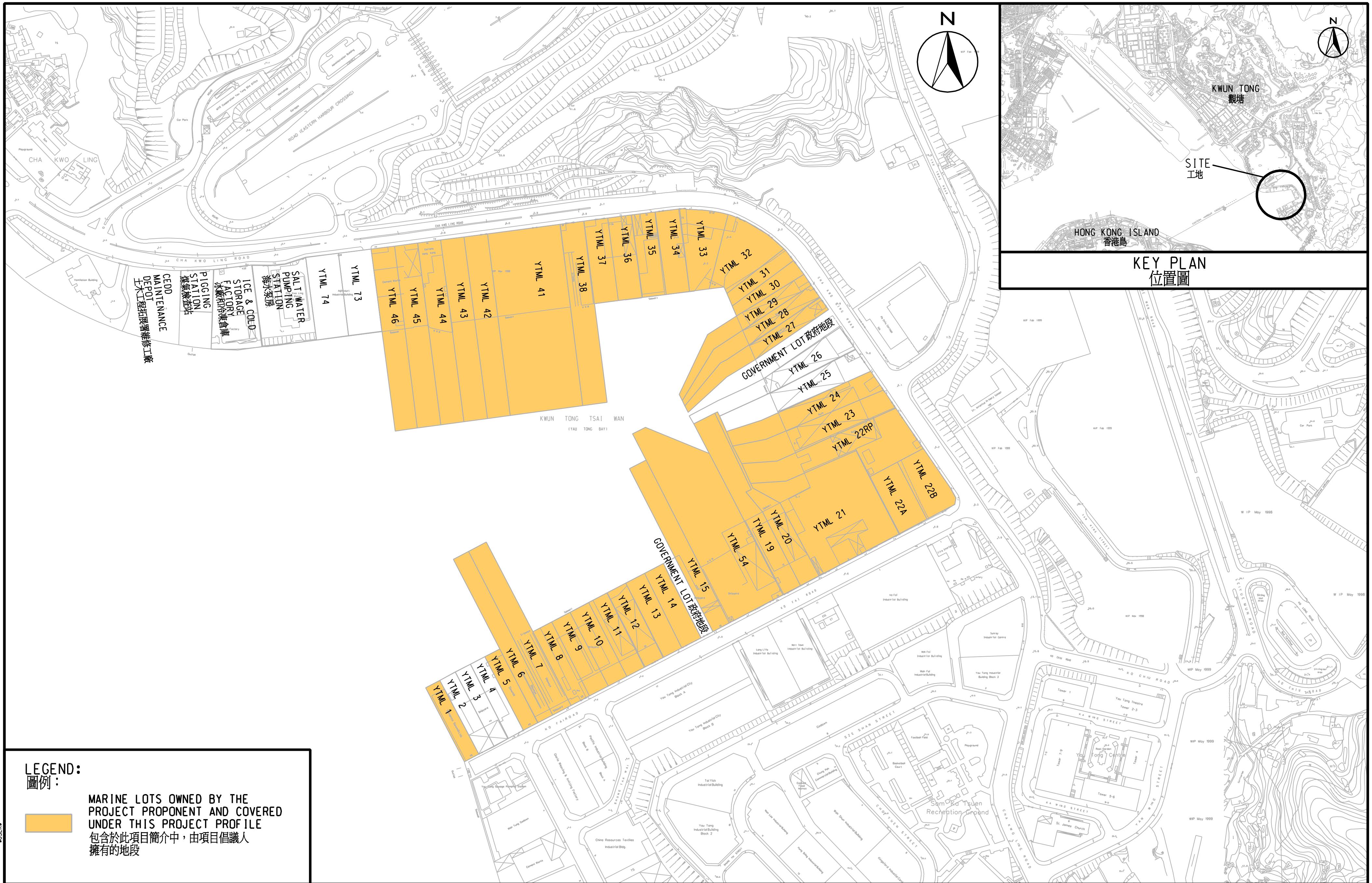
7.3.3 No Limit Level exceedance of construction noise was recorded in the reporting period.

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 Environmental site inspection was carried out 4 times in May 2014. Recommendations on remedial actions were given to the Contractor for the deficiencies identified during the site audits.

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

FIGURES



LEGEND:
圖例：

MARINE LOTS OWNED BY THE PROJECT PROPONENT AND COVERED UNDER THIS PROJECT PROFILE
包含於此項目簡介中，由項目倡議人擁有的地段

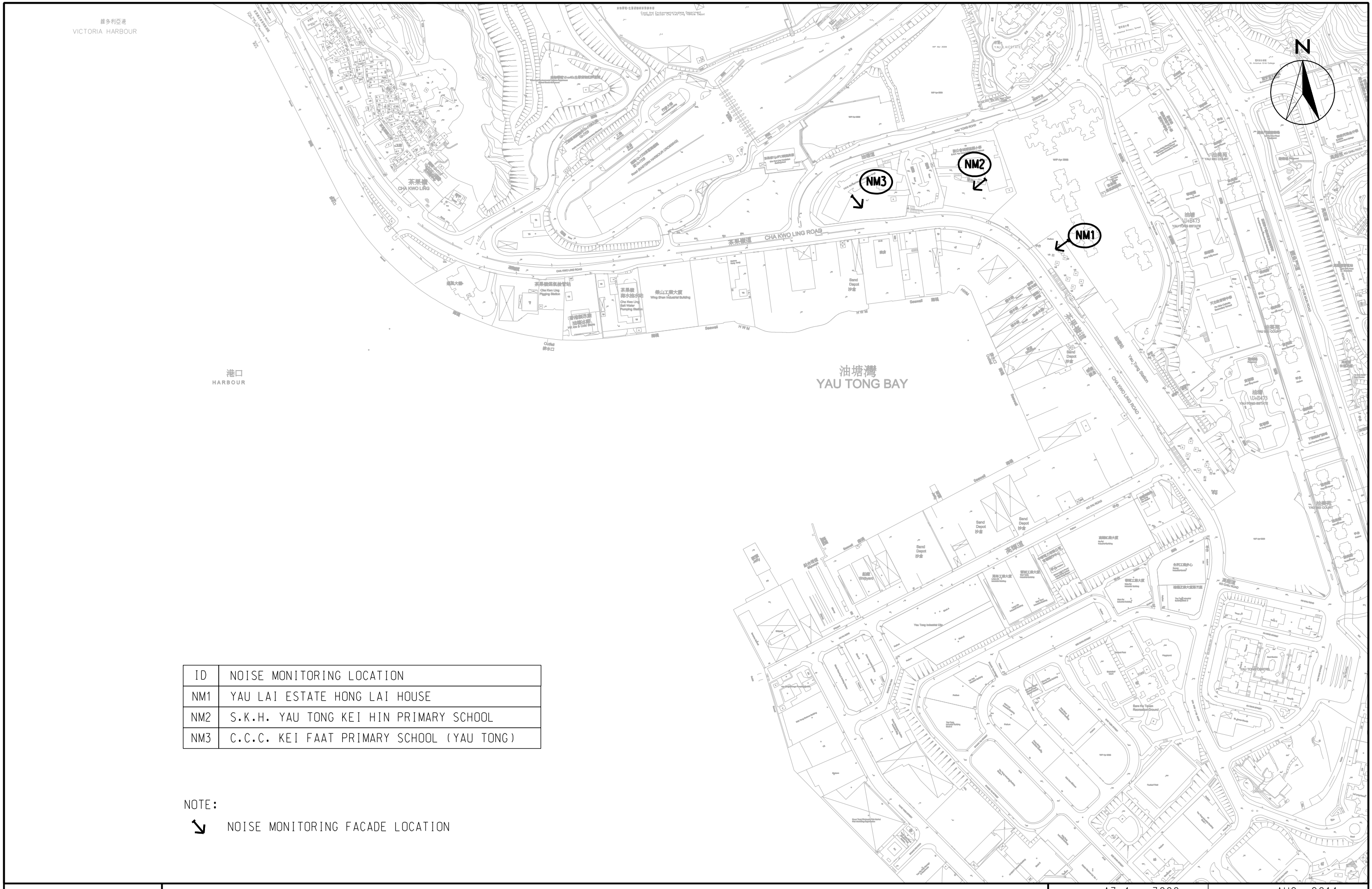
AECOM

YAU TONG BAY - DECOMMISSIONING OF SHIPYARD SITES PROJECT PROFILE
油塘灣－船廠拆卸工程

SITE LOCATION PLAN
工地位置圖

SCALE 比例	A4 1 : 4500	DATE 日期	NOV 2010
CHECK 核對	--	DRAWN 繪圖	--
JOB No.	60048283	FIGURE NO.	1
		REV	A

Potting By: $DATE$ $USER$ $file$



ID	NOISE MONITORING LOCATION
NM1	YAU LAI ESTATE HONG LAI HOUSE
NM2	S.K.H. YAU TONG KEI HIN PRIMARY SCHOOL
NM3	C.C.C. KEI FAAT PRIMARY SCHOOL (YAU TONG)

NOTE:

↘ NOISE MONITORING FACADE LOCATION

AECOM

YAU TONG BAY - DECOMMISSIONING OF SHIPYARD SITES

NOISE MONITORING LOCATIONS

SCALE	A3 1 : 3000	DATE	AUG. 2011
CHECK	LSHT	DRAWN	LLHY
PROJECT NO.	60048283	FIGURE NO.	2
		REV	--

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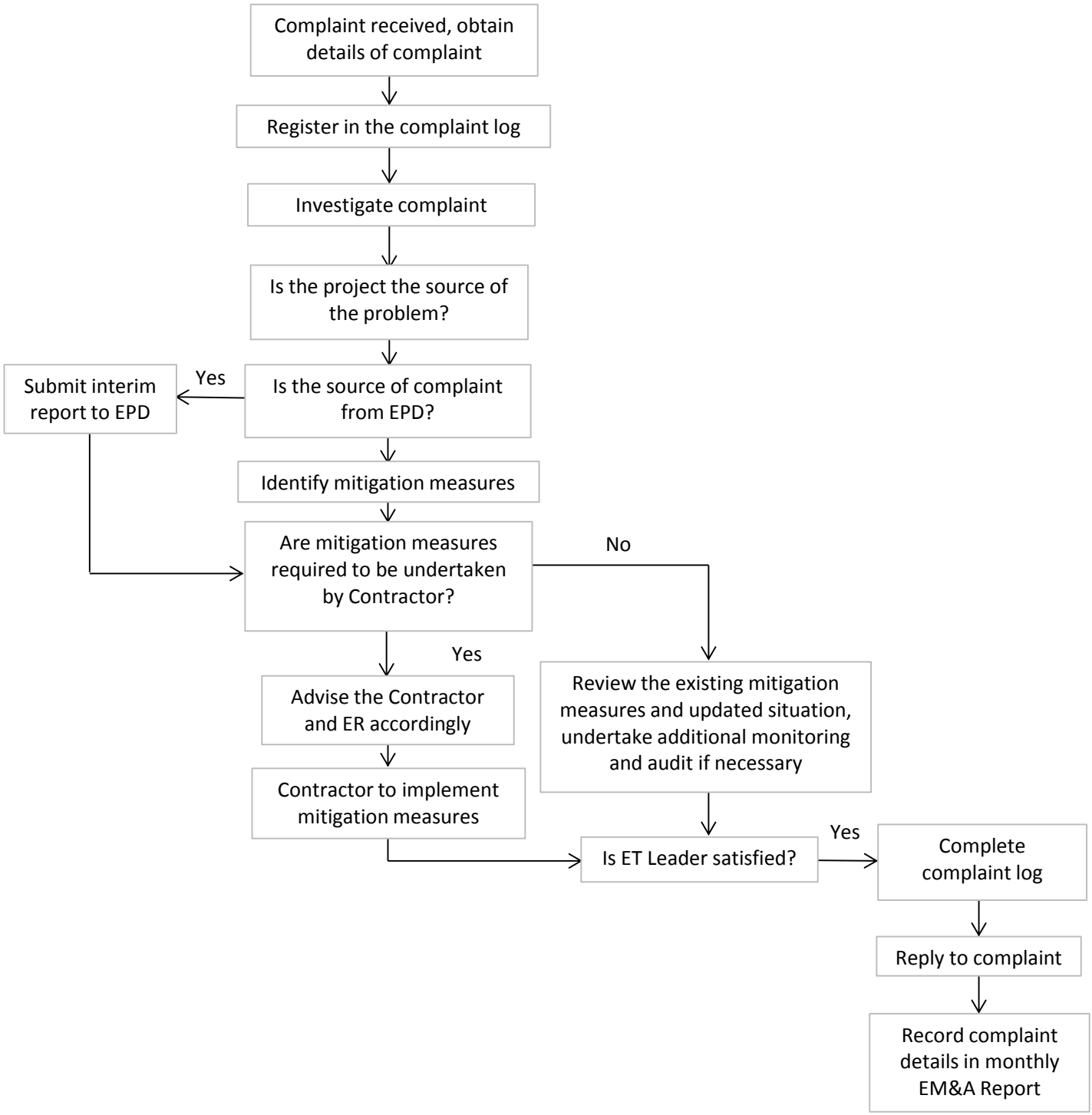


AECOM	Yau Tong Bay – Decommissioning of Shipyard Sites	SCALE	N.T.S.	DATE	Dec-11
		CHECK	ENFL	DRAWN	JWYM
	Environmental Complaint Handling Procedure	JOB NO.	60048283	FIGURE NO. 3	Rev. -

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
R4	25	0-1	25

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
R8	25	2.5-4.45	48.75

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
T36A	69.5	0-1.5	104.25

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
T35C	570.5	0-2.5	1433.04

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
T32C	86.79	1.5-3.5	173.57
T32D	78.54	0.5-1.5	78.54
T32E (OUTER)	516.96	0-1.5	816.82
T32E (INNER)	165.72	0-3	497.16

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
R2	25	0-1	25
R3	25	0-1	25
R3	25	1-3.95	73.75

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
A3	25	2.35-4.95	65
A2	31.5	1-2.35	42.5
A4	25	1-2.45	36.25
A5	25	1.4-2.55	28.75

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
R7	25	3.1-4.55	36.25

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
R1	25	0-1	25

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
T22BA	101.51	0-2.5	253.78
T22BB	165.72	1.5-3	248.58

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
T19A	95.43	0.5-2	143.14

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
A1	25	0-1	25

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
R6	25	2.7-4.15	36.25

ZONE ID	AREA (m^2)	DEPTH (m)	VOLUME (m^3)
R5	27.5	0-1	27.5

LEGEND

- Marine Lot under this Project
- Finalized Excavation Extent of Contaminated Zones

AECOM

YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

PROJECT LAYOUT PLAN AND EXCAVATION ZONE

SCALE	A3 1:2500	DATE	JUN 2014
CHECK	LLHY	DRAWN	KW
PROJECT NO.	60048208	FIGURE NO.	4

P:\60048208\ 1.01\CAD\Drawing\Figure\Remediation Spec

ZONE	DEPTH WITH CONTAMINATED SOIL FOUND (m BELOW GROUND SURFACE)	CONTAMINANT IDENTIFIED	AREA OF CONTAMINATED SOIL (m^2)	VOLUME OF CONTAMINATED SOIL (m^3)	PROPOSED REMEDIATION METHOD
R5	0-1.0m	LEAD	27.5	27.5	SOLIDIFICATION / STABILIZATION
R6	2.7-4.15m	LEAD	25	36.25	SOLIDIFICATION / STABILIZATION

AECOM

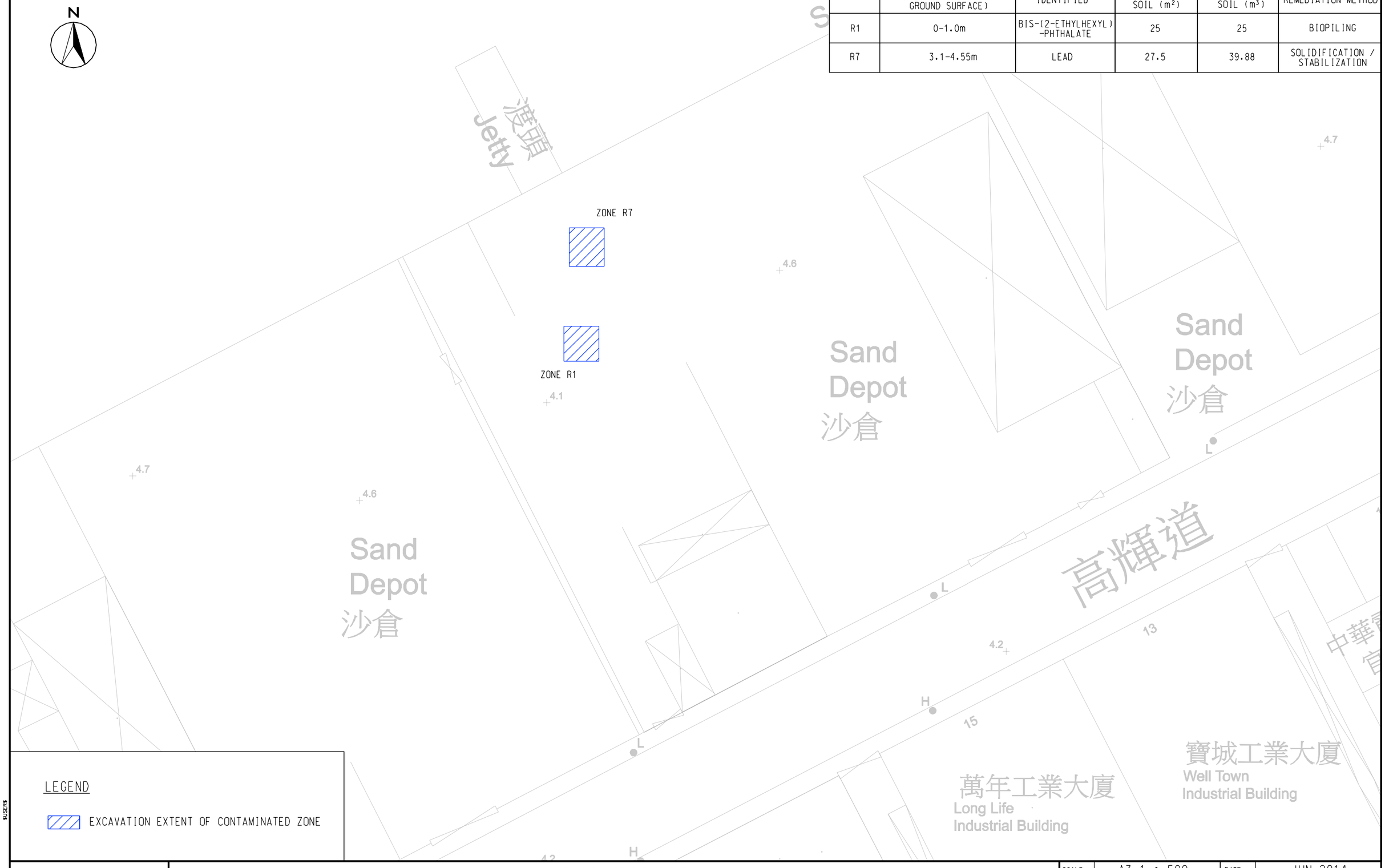
YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

EXCAVATION EXTENT OF CONTAMINATED ZONES (ZONES R5 & R6)

SCALE	A3 1 : 500	DATE	JUN 2014
CHECK	LLHY	DRAWN	KW
JOB No.	60048208	DRAWING No.	5
		REV	-

Plotting By: $USER$ $DATE$

ZONE	DEPTH WITH CONTAMINATED SOIL FOUND (m BELOW GROUND SURFACE)	CONTAMINANT IDENTIFIED	AREA OF CONTAMINATION SOIL (m^2)	VOLUME OF CONTAMINATED SOIL (m^3)	PROPOSED REMEDIATION METHOD
R1	0-1.0m	BIS-(2-ETHYLHEXYL) -PHTHALATE	25	25	BIOPILING
R7	3.1-4.55m	LEAD	27.5	39.88	SOLIDIFICATION / STABILIZATION



LEGEND

EXCAVATION EXTENT OF CONTAMINATED ZONE

AECOM

YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

EXCAVATION EXTENT OF CONTAMINATED ZONES (ZONES R1 & R7)

SCALE	A3 1 : 500	DATE	JUN 2014
CHECK	LLHY	DRAWN	KW
JOB No.	60048208	DRAWING No.	6
		REV	-

Plotting By: $DATE$ $USER$

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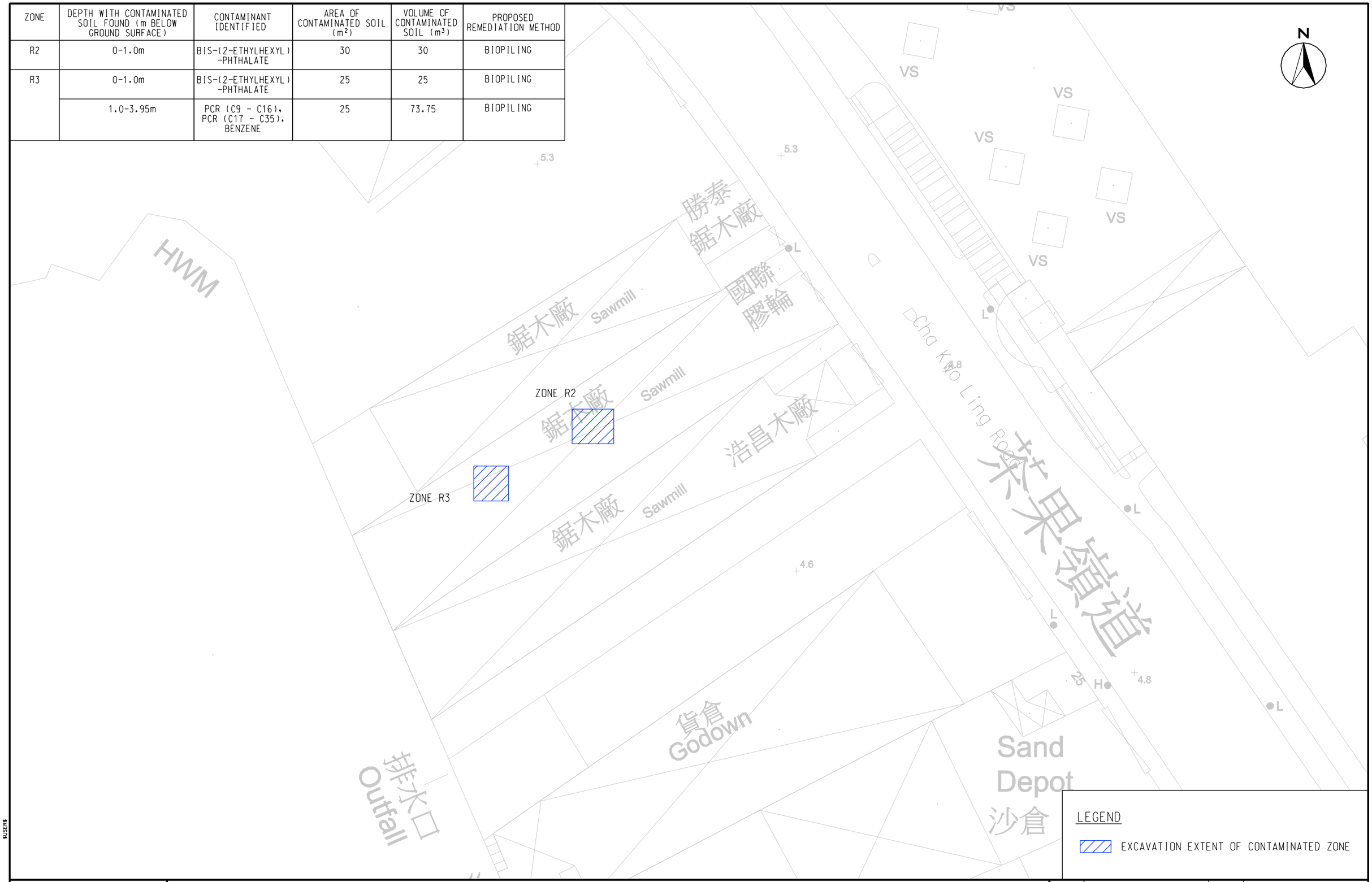
ZONE	DEPTH WITH CONTAMINATED SOIL FOUND (m BELOW GROUND SURFACE)	CONTAMINANT IDENTIFIED	AREA OF CONTAMINATED SOIL (m^2)	VOLUME OF CONTAMINATED SOIL (m^3)	PROPOSED REMEDIATION METHOD
R2	0-1.0m	BIS-(2-ETHYLHEXYL) -PHTHALATE	30	30	BIOPILING
R3	0-1.0m	BIS-(2-ETHYLHEXYL) -PHTHALATE	25	25	BIOPILING
	1.0-3.95m	PCR (C9 - C16), PCR (C17 - C35), BENZENE	25	73.75	BIOPILING



AECOM

YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

EXCAVATION EXTENT OF CONTAMINATED ZONES (ZONES R2 & R3)

SCALE	A3 1 : 500	DATE	JUN 2014
CHECK	LLHY	DRAWN	KW
JOB No.	60048208	DRAWING No.	7
		REV	–

Plotting By: $DATE$ $USER$

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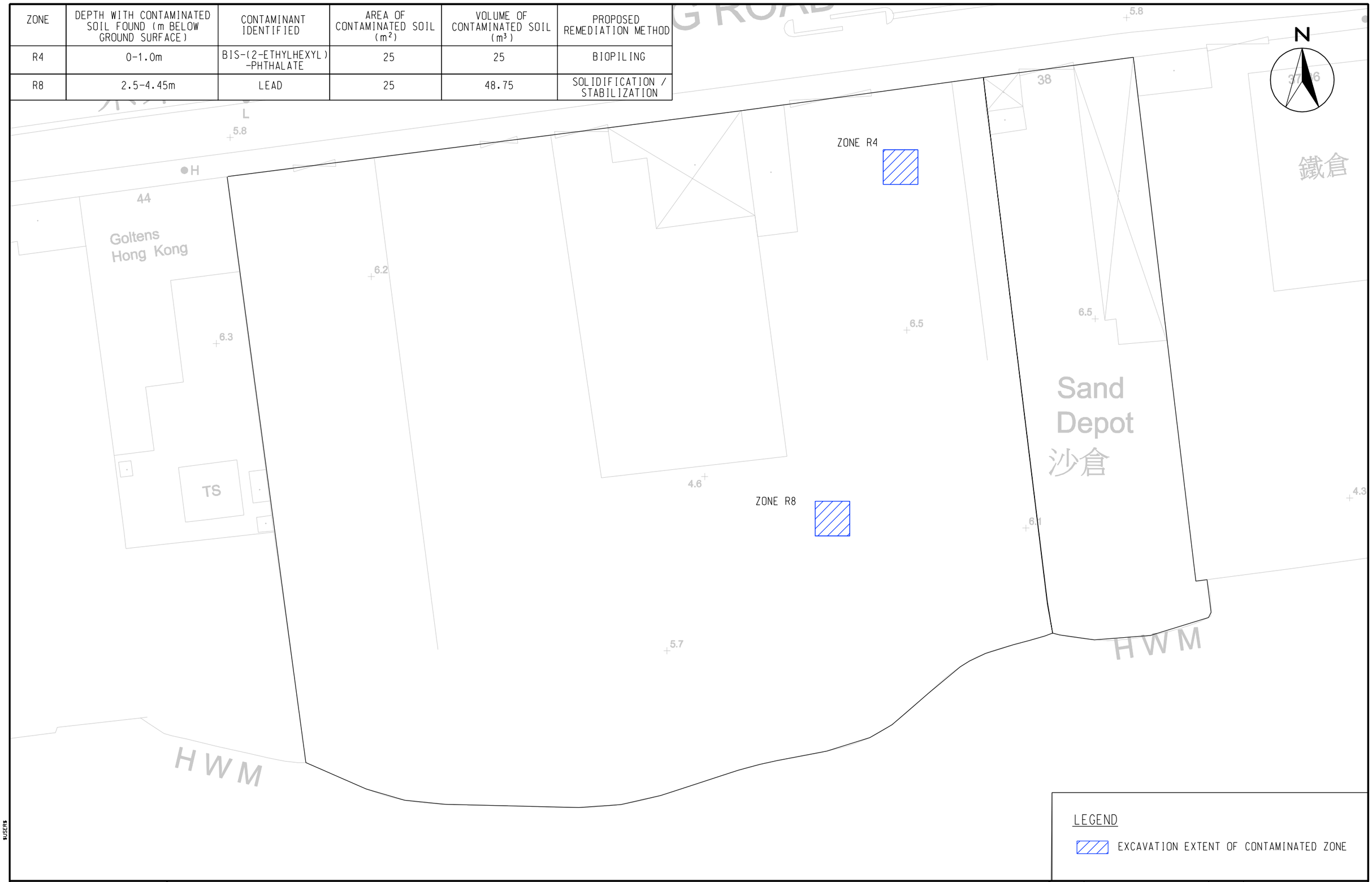
ZONE	DEPTH WITH CONTAMINATED SOIL FOUND (m BELOW GROUND SURFACE)	CONTAMINANT IDENTIFIED	AREA OF CONTAMINATED SOIL (m^2)	VOLUME OF CONTAMINATED SOIL (m^3)	PROPOSED REMEDIATION METHOD
R4	0-1.0m	BIS-(2-ETHYLHEXYL) -PHTHALATE	25	25	BIOPILING
R8	2.5-4.45m	LEAD	25	48.75	SOLIDIFICATION / STABILIZATION



LEGEND

EXCAVATION EXTENT OF CONTAMINATED ZONE

AECOM

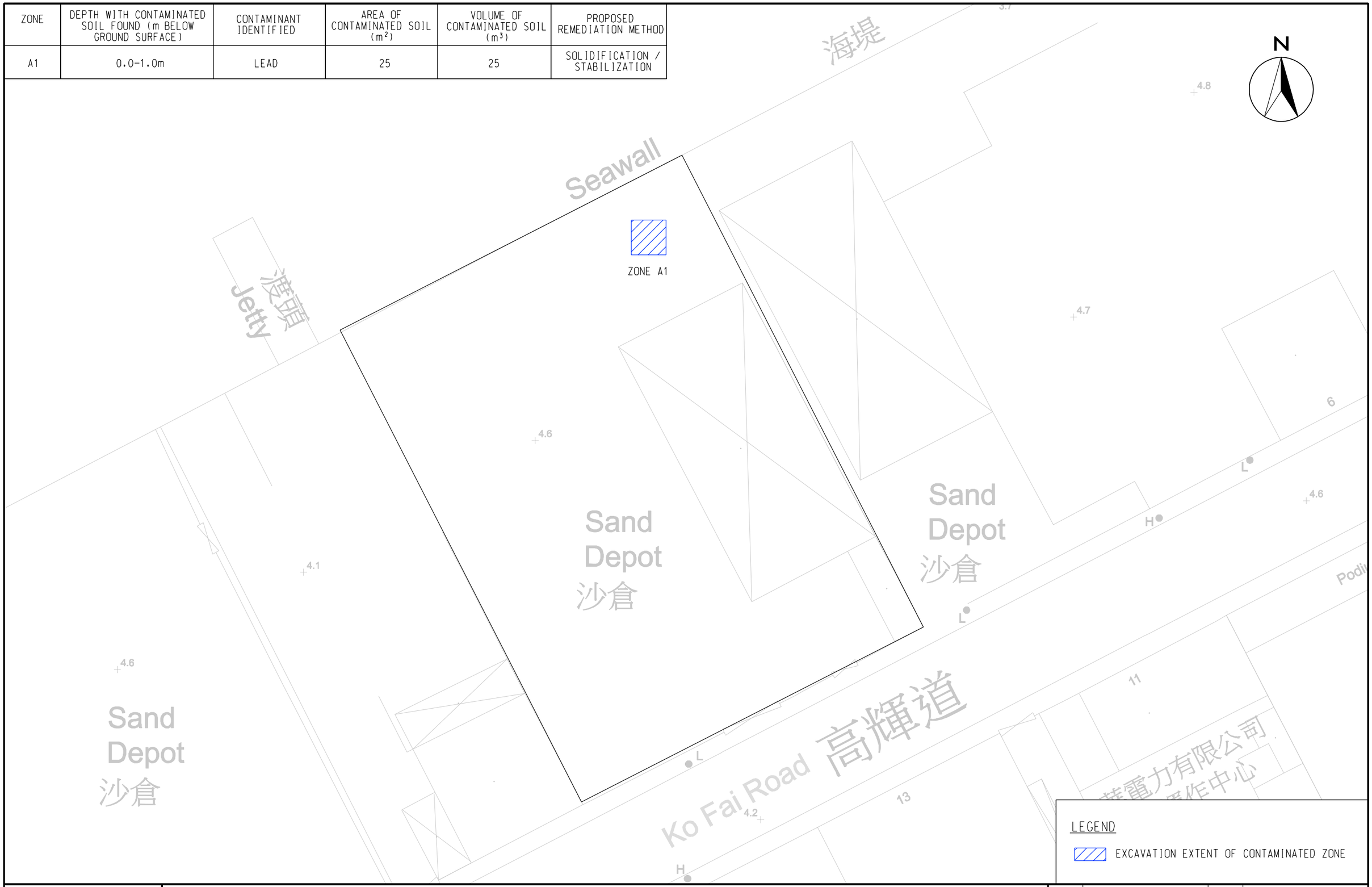
YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

EXCAVATION EXTENT OF CONTAMINATED ZONES (ZONES R4 & R8)

SCALE	A3 1 : 500	DATE	JUN 2014
CHECK	LLHY	DRAWN	KW
JOB No.	60048208	DRAWING No.	8
		REV	–

Plotting By: $DATE$ $USER$

ZONE	DEPTH WITH CONTAMINATED SOIL FOUND (m BELOW GROUND SURFACE)	CONTAMINANT IDENTIFIED	AREA OF CONTAMINATED SOIL (m^2)	VOLUME OF CONTAMINATED SOIL (m^3)	PROPOSED REMEDIATION METHOD
A1	0.0-1.0m	LEAD	25	25	SOLIDIFICATION / STABILIZATION



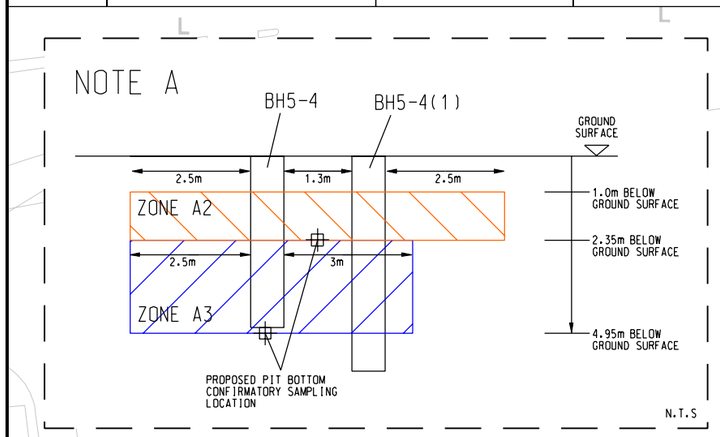
AECOM

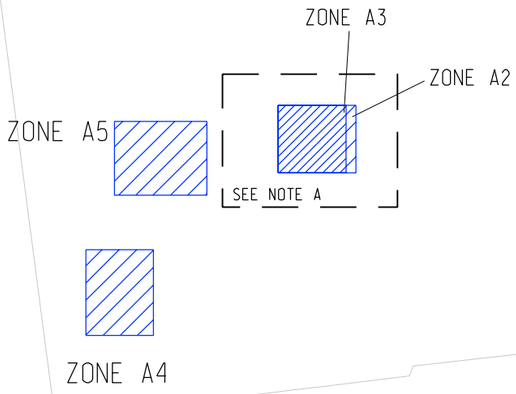
YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

EXCAVATION EXTENT OF CONTAMINATED ZONE (ZONE A1)

SCALE	A3 1 : 500	DATE	MAY 2014
CHECK	LLHY	DRAWN	KW
JOB No.	60048208	DRAWING No. 9	REV –

ZONE	DEPTH WITH CONTAMINATED SOIL FOUND (m BELOW GROUND SURFACE)	CONTAMINANT IDENTIFIED	AREA OF CONTAMINATED SOIL (m^2)	VOLUME OF CONTAMINATED SOIL (m^3)	PROPOSED REMEDIATION METHOD
A2	1.0-2.35m	BIS-(2-ETHYLHEXYL) -PHTHALATE, LEAD	34.65	46.78	BIOPILING, SOLIDIFICATION / STABILIZATION
A3	2.35-4.95m	LEAD	30.25	78.65	SOLIDIFICATION / STABILIZATION
A4	1.0-2.45m	LEAD	38.5	55.83	SOLIDIFICATION / STABILIZATION
A5	1.4-2.55m	LEAD	45	51.75	SOLIDIFICATION / STABILIZATION





LEGEND

EXCAVATION EXTENT OF CONTAMINATED ZONE

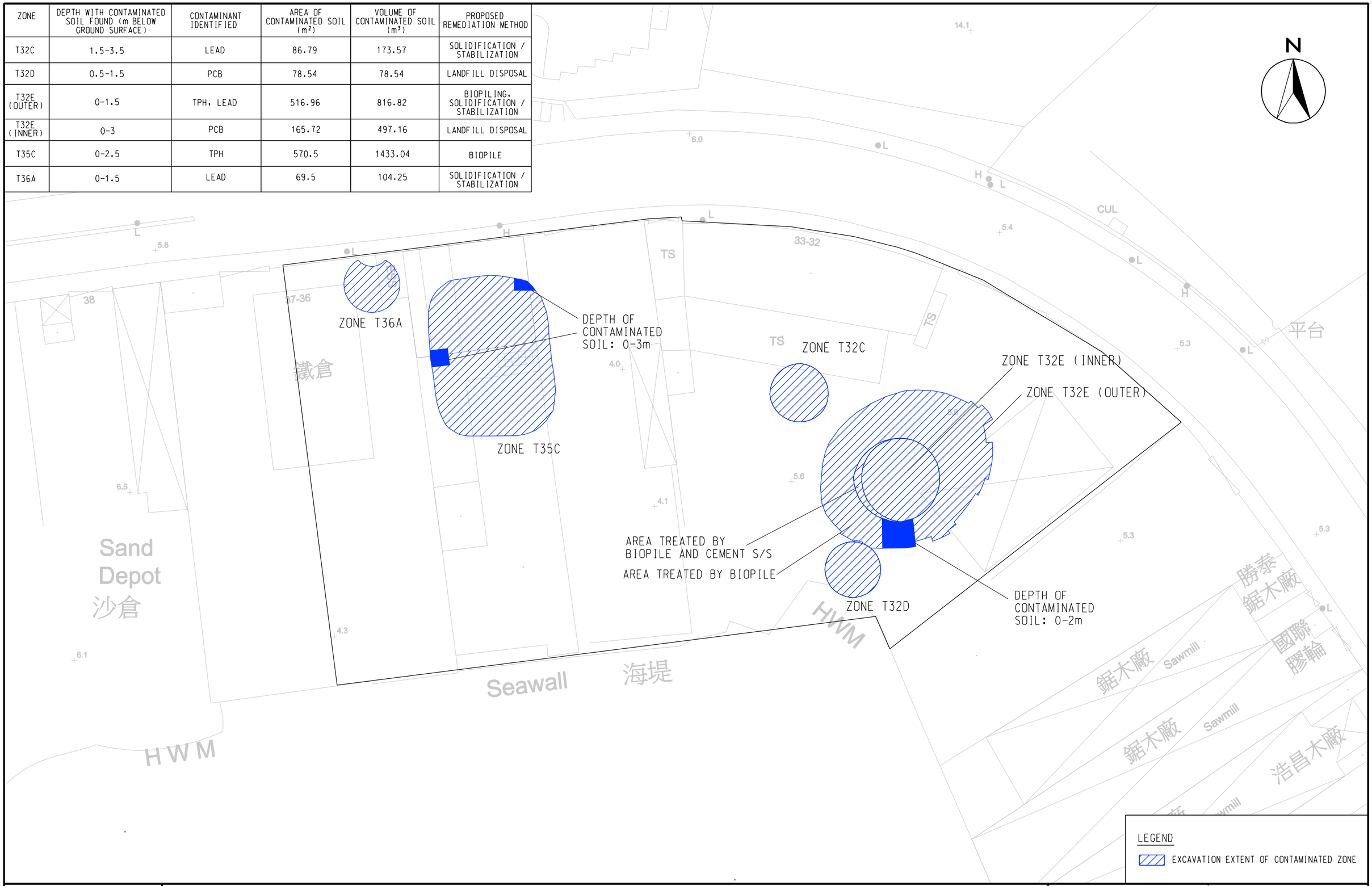
AECOM

YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

EXCAVATION EXTENT OF CONTAMINATED ZONES (ZONES A2, A3, A4 & A5)

SCALE	A3 1 : 500	DATE	JUN 2014
CHECK	LLHY	DRAWN	KW
JOB No.	60048208	DRAWING No.	10
		REV	–

ZONE	DEPTH WITH CONTAMINATED SOIL FOUND (m BELOW GROUND SURFACE)	CONTAMINANT IDENTIFIED	AREA OF CONTAMINATED SOIL (m^2)	VOLUME OF CONTAMINATED SOIL (m^3)	PROPOSED REMEDIATION METHOD
T32C	1.5-3.5	LEAD	86.79	173.57	SOLIDIFICATION / STABILIZATION
T32D	0.5-1.5	PCB	78.54	78.54	LANDFILL DISPOSAL
T32E (OUTER)	0-1.5	TPH, LEAD	516.96	816.82	BIOPILING, SOLIDIFICATION / STABILIZATION
T32E (INNER)	0-3	PCB	165.72	497.16	LANDFILL DISPOSAL
T35C	0-2.5	TPH	570.5	1433.04	BIOPILE
T36A	0-1.5	LEAD	69.5	104.25	SOLIDIFICATION / STABILIZATION

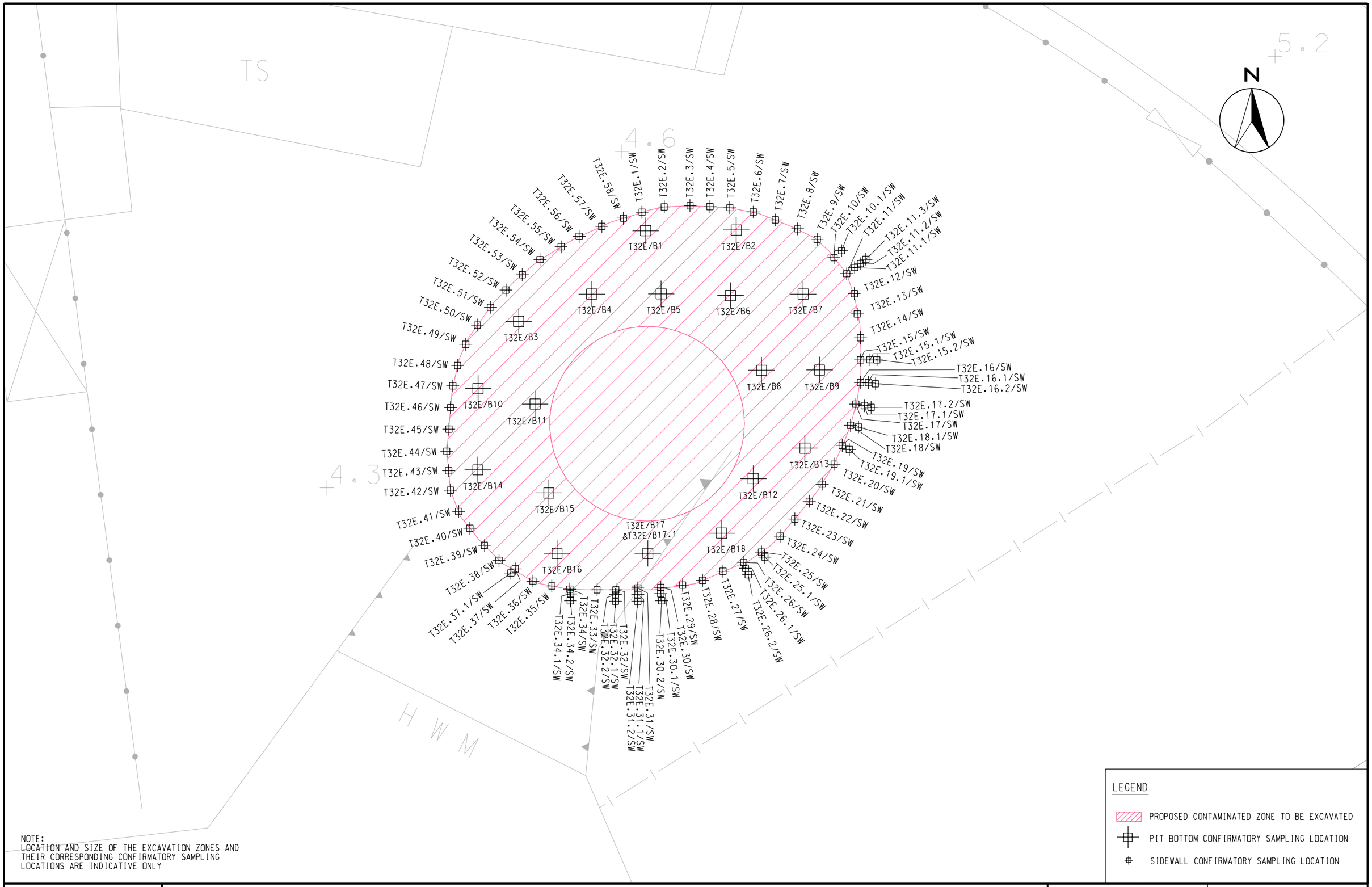


AECOM

YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

EXCAVATION EXTENT OF CONTAMINATED ZONES (ZONES T32C, T32D, T32E, T35C AND T36A)

SCALE	A3 1 : 625	DATE	JUN 2014
CHECK	LLHY	DRAWN	KW
PROJECT NO.	60048208	FIGURE NO.	11
		REV	–



NOTE:
LOCATION AND SIZE OF THE EXCAVATION ZONES AND THEIR CORRESPONDING CONFIRMATORY SAMPLING LOCATIONS ARE INDICATIVE ONLY

LEGEND

- PROPOSED CONTAMINATED ZONE TO BE EXCAVATED
- PIT BOTTOM CONFIRMATORY SAMPLING LOCATION
- SIDEWALL CONFIRMATORY SAMPLING LOCATION

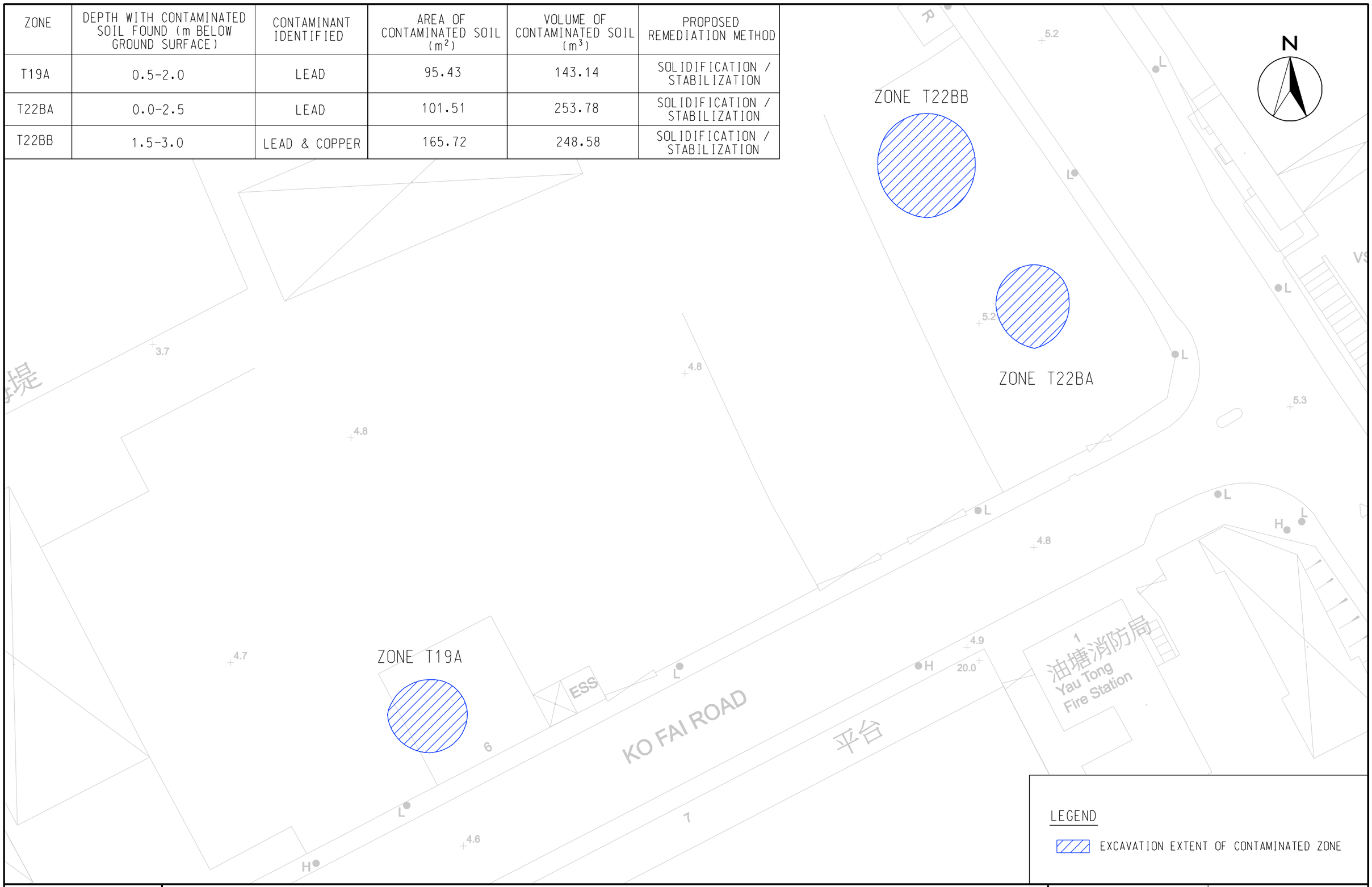
AECOM

YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

LOCATION OF CONFIRMATORY SAMPLING (ZONE T32E)

SCALE	A3 1:250	DATE	APR 2014
CHECK	LLHY	DRAWN	KW
PROJECT NO.	60048208	FIGURE NO.	13
		REV	–

ZONE	DEPTH WITH CONTAMINATED SOIL FOUND (m BELOW GROUND SURFACE)	CONTAMINANT IDENTIFIED	AREA OF CONTAMINATED SOIL (m^2)	VOLUME OF CONTAMINATED SOIL (m^3)	PROPOSED REMEDIATION METHOD
T19A	0.5-2.0	LEAD	95.43	143.14	SOLIDIFICATION / STABILIZATION
T22BA	0.0-2.5	LEAD	101.51	253.78	SOLIDIFICATION / STABILIZATION
T22BB	1.5-3.0	LEAD & COPPER	165.72	248.58	SOLIDIFICATION / STABILIZATION

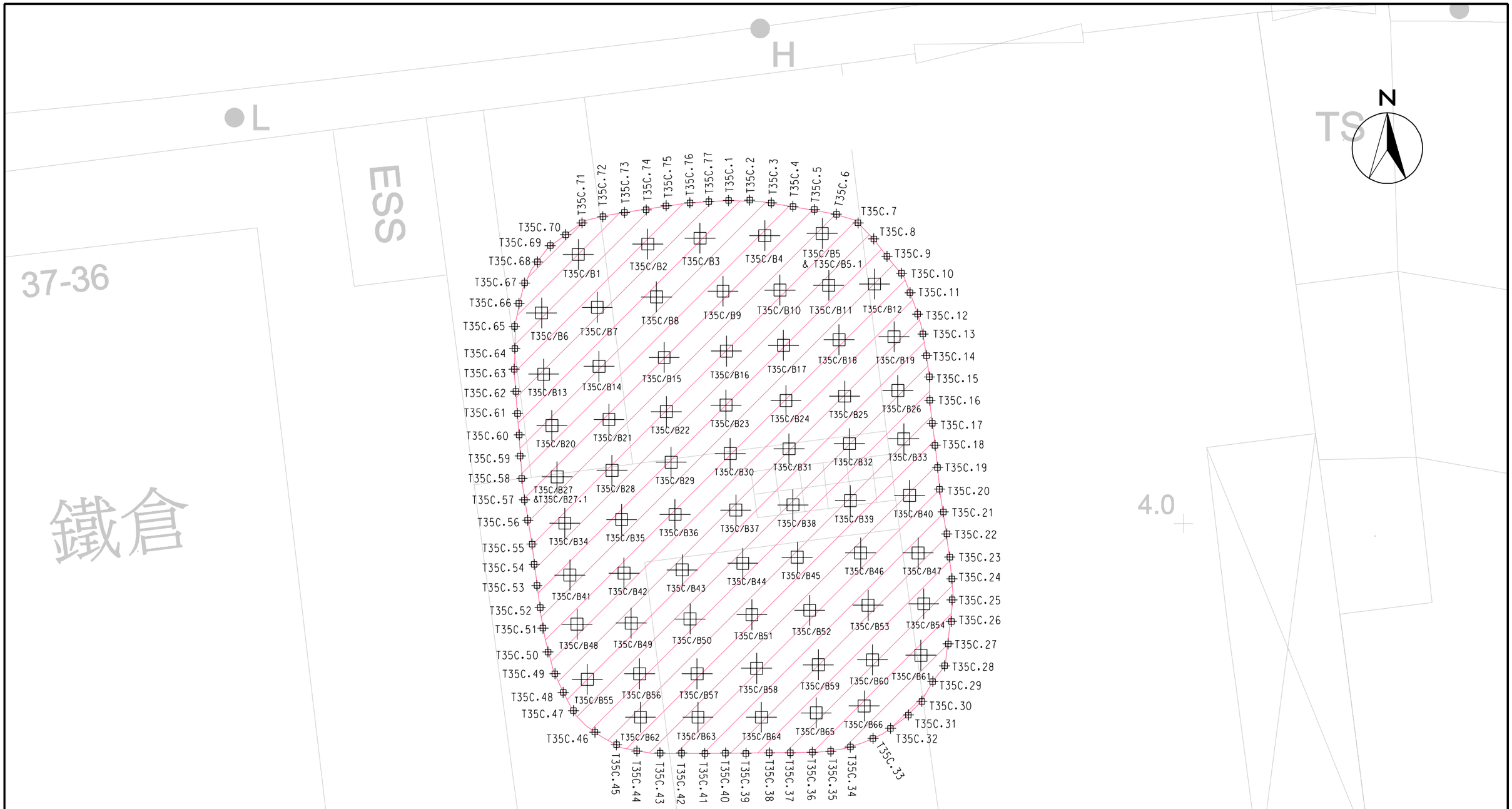


AECOM

YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

EXCAVATION EXTENT OF CONTAMINATED ZONES (ZONES T19A, T22BA, T22BB)

SCALE	A3 1 : 500	DATE	JUN 2014
CHECK	LLHY	DRAWN	KW
PROJECT NO.	60048208	FIGURE NO.	12
		REV	-



NOTE:
LOCATION AND SIZE OF THE EXCAVATION ZONES AND THEIR CORRESPONDING CONFIRMATORY SAMPLING LOCATIONS ARE INDICATIVE ONLY

LEGEND

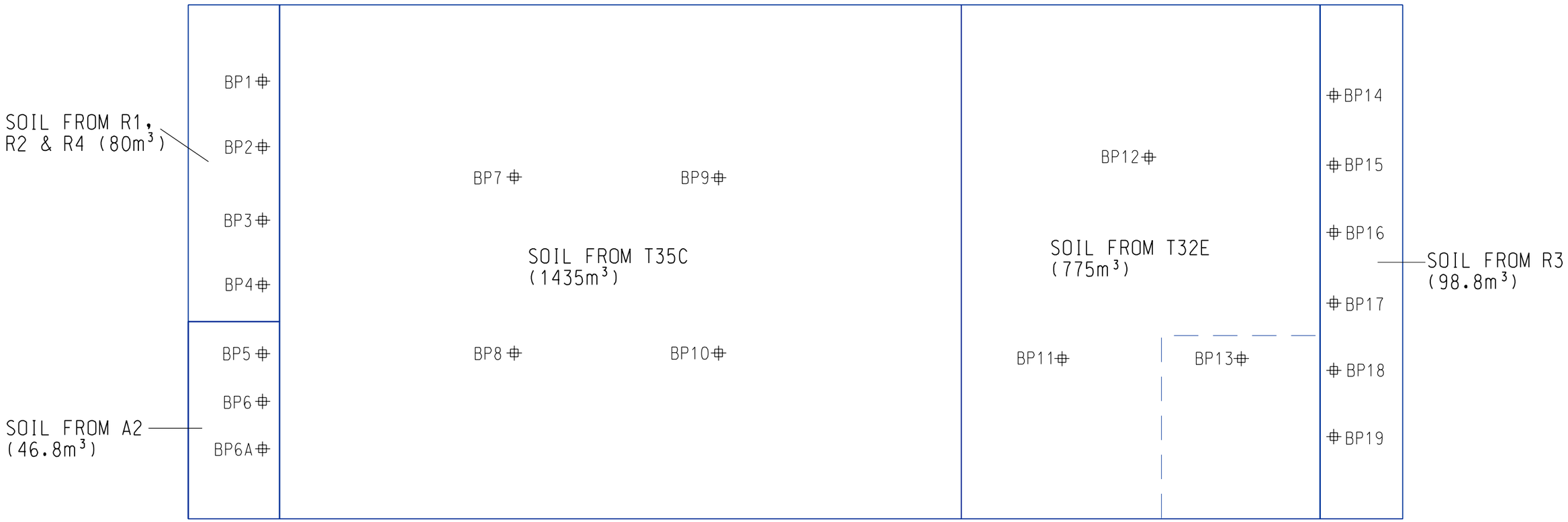
- PROPOSED CONTAMINATED ZONE TO BE EXCAVATED
- PIT BOTTOM CONFRIMATORY SAMPLING LOCATION
- SIDEWALL CONFIRMATORY SAMPLING LOCATION

AECOM

YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

LOCATION OF CONFIRMATORY SAMPLING (T35C)

SCALE	A3 1 : 200	DATE	APR 2014
CHECK	LLHY	DRAWN	KW
PROJECT NO.	60048208	FIGURE NO.	14
		REV	–



NOTE:
THE SAMPLING LOCATIONS ARE INDICATIVE ONLY

LEGEND

BIOPILE SET-UP

SAMPLING LOCATION

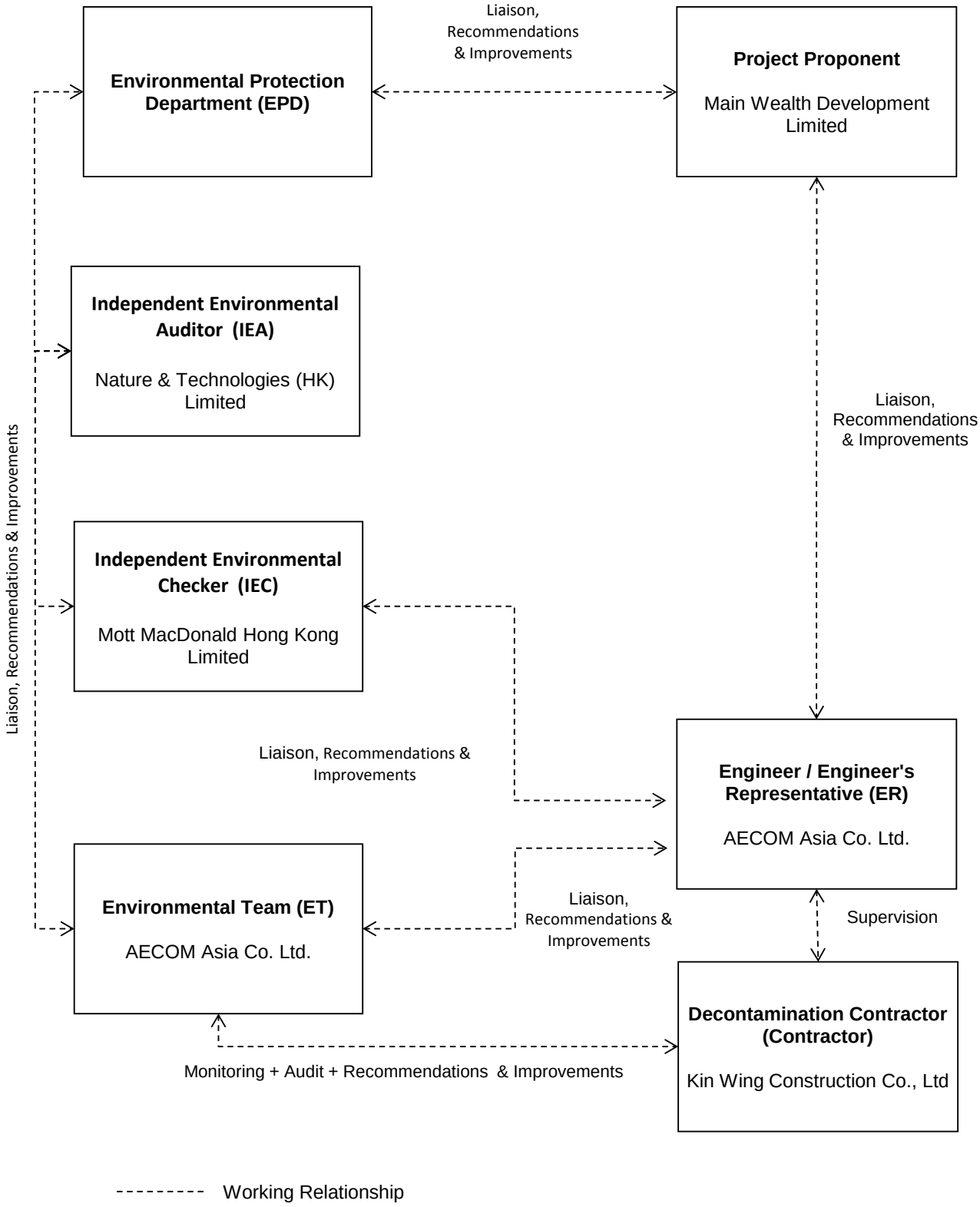
AECOM

YAU TONG BAY REDEVELOPMENT
LAND DECONTAMINATION WORKS

SAMPLING PLAN FOR BIOPILE MONITORING

SCALE	A3 1 : 200	DATE	APR 2014
CHECK	LLHY	DRAWN	KW
PROJECT NO.	60048208	FIGURE NO.	15
		REV	–

APPENDIX A
PROJECT ORGANIZATION STRUCTURE



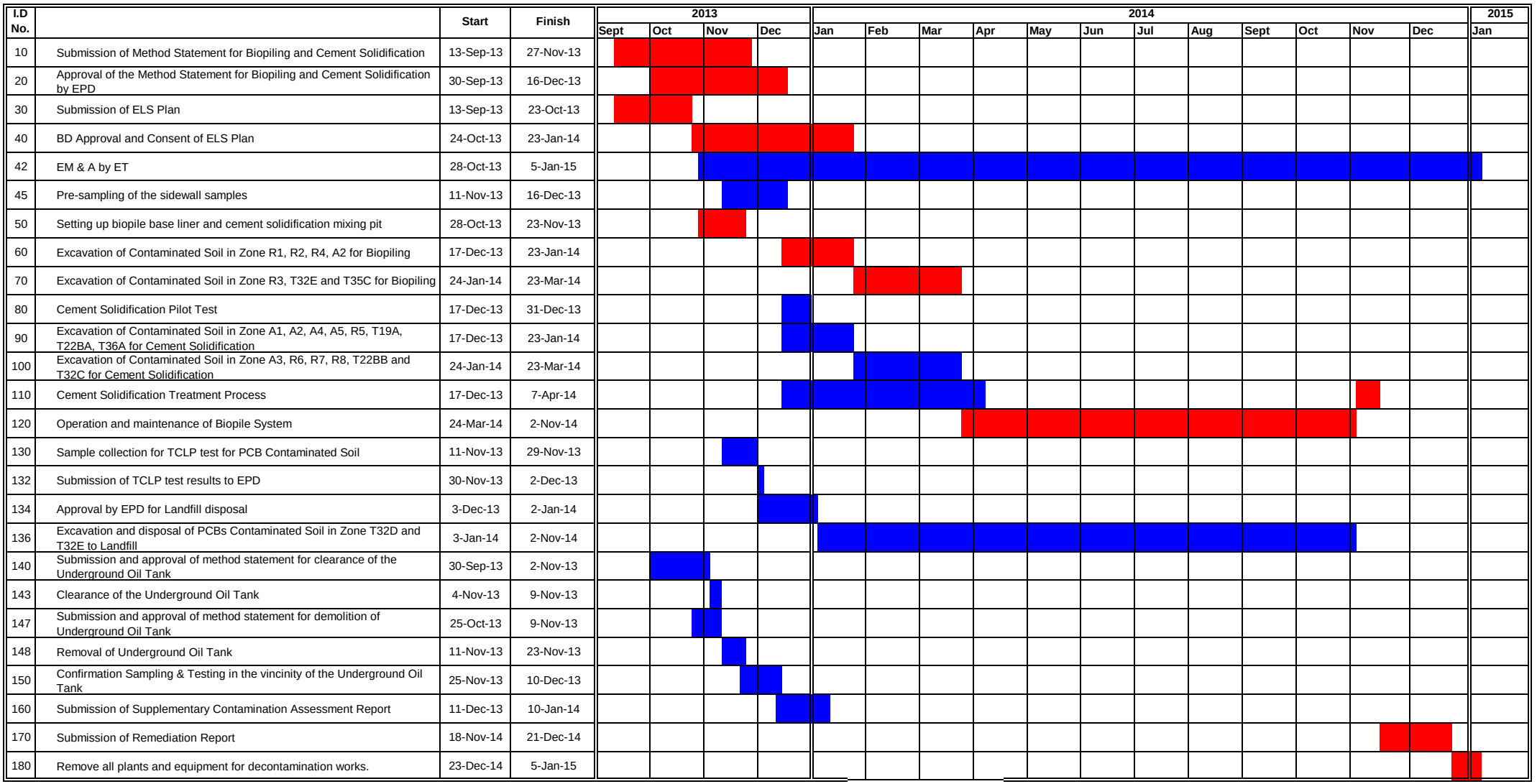
AECOM	**Yau Tong Bay - Decommissioning of Shipyard Sites**	SCALE	N.T.S.	DATE	Dec-13
		CHECK	ENFL	DRAWN	JCYK
	Project Organization Structure	JOB NO.	60048283	APPENDIX A	Rev. -

APPENDIX B
CONSTRUCTION PROGRAMME

Yau Tong Bay Redevelopment
Land Decontamination Works

Construction Programme (Rev. 3)

I.D No.		Start	Finish
10	Submission of Method Statement for Biopiling and Cement Solidification	13-Sep-13	27-Nov-13
20	Approval of the Method Statement for Biopiling and Cement Solidification by EPD	30-Sep-13	16-Dec-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	16-Dec-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	17-Dec-13	23-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	17-Dec-13	31-Dec-13
90	Excavation of Contaminated Soil in Zone A1, A2, A4, A5, R5, T19A, T22BA, T36A for Cement Solidification	17-Dec-13	23-Jan-14
100	Excavation of Contaminated Soil in Zone A3, R6, R7, R8, T22BB and T32C for Cement Solidification	24-Jan-14	23-Mar-14
110	Cement Solidification Treatment Process	17-Dec-13	7-Apr-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	29-Nov-13
132	Submission of TCLP test results to EPD	30-Nov-13	2-Dec-13
134	Approval by EPD for Landfill disposal	3-Dec-13	2-Jan-14
136	Excavation and disposal of PCBs Contaminated Soil in Zone T32D and T32E to Landfill	3-Jan-14	2-Nov-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	23-Nov-13
150	Confirmation Sampling & Testing in the vincinity of the Underground Oil Tank	25-Nov-13	10-Dec-13
160	Submission of Supplementary Contamination Assessment Report	11-Dec-13	10-Jan-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



Non-Critical Activity
Critical Activity

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 Construction	• Careful sitting of construction activities which generate substantial amount of dust can effectively reduce the overall impact.	During construction	V
	• 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.		V
	• 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.		V
	• 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.		V
	• 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

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.		V
	• 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.		V
	• 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

Water Quality - Schedule of Recommended Mitigation Measures

Impact	Mitigation Measures	Timing	Implementation Status
Water Quality during Construction	**Construction works at or close to the seafront**		
	• 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:- • Provision of perimeter channels to intercept storm-runoff from outside the site. These shall be constructed in advance of site formation works and earthworks.	During construction	V
	• 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.		V
	General Construction Activities		
	• 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

Impact	Mitigation Measures	Timing	Implementation 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 Management during Construction	**Good Site Practice**		
	• 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

Impact	Mitigation Measures	Timing	Implementation Status
Waste Management during Construction	• Regular cleaning and maintenance programme for drainage systems, sumps and oil interceptors.	During construction	V
	• 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.		V
	• 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

Impact	Mitigation Measures	Timing	Implementation Status
Waste Management during Construction	**Chemical Waste**		
	• 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
	• 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

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)	• 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 work has been completed.	Inaccessible lots as described under para. 3.5 of Appendix 7A of YTB-EIA as well as areas that required further sampling to ascertain contamination extent/ Upon availability of site access Supplementary CAP, CAR and RAPs to be submitted to EPD for endorsement before commencement of the remediation work. Development construction work should only commence after all the remediation	V (Two CAPs (Yau Tong Bay - Decommissioning of Shipyard Sites Supplementary CAP for Previous Inaccessible Lots (YTML 27, 44, 45-46, 54 and Underground Oil Tank at YTML 6-11) & Yau Tong Bay - Decommissioning 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 2012 and were subsequently approved in June 2013 after two rounds of comment.)

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 endorsed by EPD on 20 Dec 2013.)

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	V (A pilot test to ascertain the concrete mix recipe was conducted on 30 Dec 2013. The method statement for solidification has

Impact	Mitigation Measures	Timing	Implementation Status
referenced to ProPECC PN3/94 – Contaminated Land Assessment and Remediation)		statement shall be submitted and endorsed prior to the full scale solidification works.	been submitted to EPD on 2 Oct 2013 and subsequently endorsed by EPD on 20 Dec 2013.)
Land Contamination (For lots and facilities assessed under EIA with approved CAP, CAR and RAP based on Dutch B levels referenced to ProPECC PN3/94 – Contaminated Land Assessment and Remediation)	• A method statement detailing the biopiling methodology, monitoring and verification procedures shall be submitted to EPD for endorsement.	All soil identified and to be identified as contaminated with TPH / The method statement shall be submitted and endorsed prior to the commencement of the biopiling works.	V (The method statement for biopiling has been submitted to EPD on 2 Oct 2013 and subsequently endorsed by EPD on 20 Dec 2013.)
	• 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	N/A

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 Impact during Construction	• 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 the EPD.	During construction	V
	• During the biopiling process, the biopiles shall be limited to a height of less than 3m.		V
	• 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.

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, related to 0700 – 1900 hours on normal weekdays, is received from any one of the sensitive receivers.	75 dB(A)
NM2		65/70 dB(A)*
NM3		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. Tel : (852) 2873 6860
香港黃竹坑道37號利達中心地下，9樓，12樓，13樓及20樓 Fax : (852) 2555 7533
E-mail: smec@cigismec.com Website: www.cigismec.com
HOKLAS 028

CERTIFICATE OF CALIBRATION

Certificate No.: 13CA1107 01-01 **Page** 1 **of** 2

Item tested

Description:	Sound Level Meter (Type 1)	,	Microphone
Manufacturer:	Rion Co., Ltd.	,	Rion Co., Ltd.
Type/Model No.:	NL-31	,	UC-53A
Serial/Equipment No.:	00320528 / N.007.03A	,	90565
Adaptors used:	-	,	-

Item submitted by

Customer Name:	AECOM ASIA CO., LTD.
Address of Customer:	-
Request No.:	-
Date of receipt:	07-Nov-2013

Date of test: 08-Nov-2013

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	22-Jun-2014	CIGISMEC
Signal generator	DS 360	33873	15-Apr-2014	CEPREI
Signal generator	DS 360	61227	15-Apr-2014	CEPREI

Ambient conditions

Temperature:	22 ± 1 °C
Relative humidity:	60 ± 10 %
Air pressure:	1000 ± 10 hPa

Test specifications

1, 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.
2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and 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.

Actual Measurement data are documented on worksheets.

Approved Signatory: Huang Jian Min/Feng Jun Qi **Date:** 11-Nov-2013 **Company Chop:** SOILS & MATERIALS ENGINEERING COMPANY LTD. 綜合試驗有限公司

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.

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. Tel : (852) 2873 6860
香港黃竹坑道37號利達中心地下，9樓，12樓，13樓及20樓 Fax : (852) 2555 7533
E-mail: smec@cigismec.com Website: www.cigismec.com
HOKLAS 028

CERTIFICATE OF CALIBRATION

Certificate No.: 14CA0305 06-02 **Page** 1 **of** 2

Item tested

Description:	Sound Level Meter (Type 1)	,	Microphone
Manufacturer:	B & K	,	B & K
Type/Model No.:	2250	,	4950
Serial/Equipment No.:	2681366 N.011.01	,	2665582
Adaptors used:	-	,	-

Item submitted by

Customer Name:	AECOM ASIA CO. LTD.
Address of Customer:	-
Request No.:	-
Date of receipt:	05-Mar-2014

Date of test: 07-Mar-2014

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Multi function sound calibrator	B&K 4226	2288444	22-Jun-2014	CIGISMEC
Signal generator	DS 360	33873	15-Apr-2014	CEPREI
Signal generator	DS 360	61227	15-Apr-2014	CEPREI

Ambient conditions

Temperature:	22 ± 1 °C
Relative humidity:	60 ± 10 %
Air pressure:	1000 ± 10 hPa

Test specifications

1, 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.

2, The electrical tests were performed using an electrical signal substituted for the microphone which was removed and 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.

Actual Measurement data are documented on worksheets.

Approved Signatory: Huang Jian Min/Feng Jun Qi **Date:** 12-Mar-2014 **Company Chop:** SOILS & MATERIALS ENGINEERING COMPANY LTD. 綜合試驗有限公司

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.

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
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Tel : (852) 2873 6860
Fax : (852) 2555 7533
HOKLAS 028

CERTIFICATE OF CALIBRATION

Certificate No.: 13CA1107 01-02 **Page:** 1 **of** 2

Item tested

Description:	Acoustical Calibrator (Class 1)
Manufacturer:	Rion Co., Ltd.
Type/Model No.:	NC-73
Serial/Equipment No.:	10307223 / N.004.08
Adaptors used:	-

Item submitted by

Curstomer:	AECOM ASIA CO., LTD.
Address of Customer:	-
Request No.:	-
Date of receipt:	07-Nov-2013

Date of test: 08-Nov-2013

Reference equipment used in the calibration

Description:	Model:	Serial No.	Expiry Date:	Traceable to:
Lab standard microphone	B&K 4180	2341427	17-Apr-2014	SCL
Preamplifier	B&K 2673	2239857	16-Apr-2014	CEPREI
Measuring amplifier	B&K 2610	2346941	24-Apr-2014	CEPREI
Signal generator	DS 360	61227	15-Apr-2014	CEPREI
Digital multi-meter	34401A	US36087050	10-Dec-2013	CEPREI
Audio analyzer	8903B	GB41300350	15-Apr-2014	CEPREI
Universal counter	53132A	MY40003662	15-Apr-2014	CEPREI

Ambient conditions

Temperature:	22 ± 1 °C
Relative humidity:	60 ± 10 %
Air pressure:	1000 ± 10 hPa

Test specifications

1, The Sound Calibrator has been calibrated in accordance with the requirements as specified in IEC 60942 1997 Annex B and the lab calibration procedure SMTP004-CA-156.

2, The calibrator was tested with its axis vertical facing downwards at the specific frequency using insert voltage technique.

3, The results are rounded to the nearest 0.01 dB and 0.1 Hz and have not been corrected for variations from a reference 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: Huang Jian Min/Feng Jun Qi **Date:** 11-Nov-2013 **Company Chop:** SOILS & MATERIALS ENGINEERING COMPANY LTD. 綜合試驗有限公司

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

APPENDIX F
EM&A MONITORING SCHEDULES

Yau Tong Bay - Decomissioning of Shipyard Sites
Impact Noise Monitoring Schedule for May 2014

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

Yau Tong Bay - Decomissioning of Shipyard Sites
Tentative Impact Noise Monitoring Schedule for June2014

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

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

Date	Start Time	End Time	Weather	Measured Noise Level for 30-min, dB(A)			Baseline Noise Level, dB(A)	Corrected Construction Noise Level, dB(A) **	Limit Level, dB(A)	Major Noise Source(s) Observed	Exceedance (Y/N)	Mean Temp. (°C)	Mean Wind Speed (m/s)	Noise Meter Model / ID	Calibrator Model / ID
				Leq	L10	L90									
15-May-14	9:30	10:00	Cloudy	**64.1**	66.8	62.8	65.4	64.1	75.0	Construciton Noise	N	28.9	<5 m/s	B&K 2250L (2681366)	Rion NC-73 (10307223)
27-May-14	10:00	10:30	Sunny	**64.8**	67.2	62.1	65.4	64.8	75.0	Construciton Noise	N	29.7	<5 m/s	Rion NL-31 (00320528)	Rion NC-73 (10307223)
							Average	**64.5**							
							Min.	**64.1**							
							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	Measured Noise Level for 30-min, dB(A)			Baseline Noise Level, dB(A)	Corrected Construction Noise Level, dB(A) **	Limit Level, dB(A)#	Major Noise Source(s) Observed	Exceedance (Y/N)	Mean Temp. (°C)	Mean Wind Speed (m/s)	Noise Meter Model / ID	Calibrator Model / ID
				Leq	L10	L90									
15-May-14	13:45	14:15	Cloudy	**64.7**	60.0	62.8	65.4	64.7	70.0	Construciton Noise	N	28.9	<5 m/s	B&K 2250L (2681366)	Rion NC-73 (10307223)
27-May-14	13:30	14:00	Sunny	**65.7**	67.9	63.7	65.4	53.9	70.0	Construciton Noise	N	29.7	<5 m/s	Rion NL-31 (00320528)	Rion NC-73 (10307223)
							Average	**62.0**							
							Min.	**53.9**							
							Max.	**64.7**							

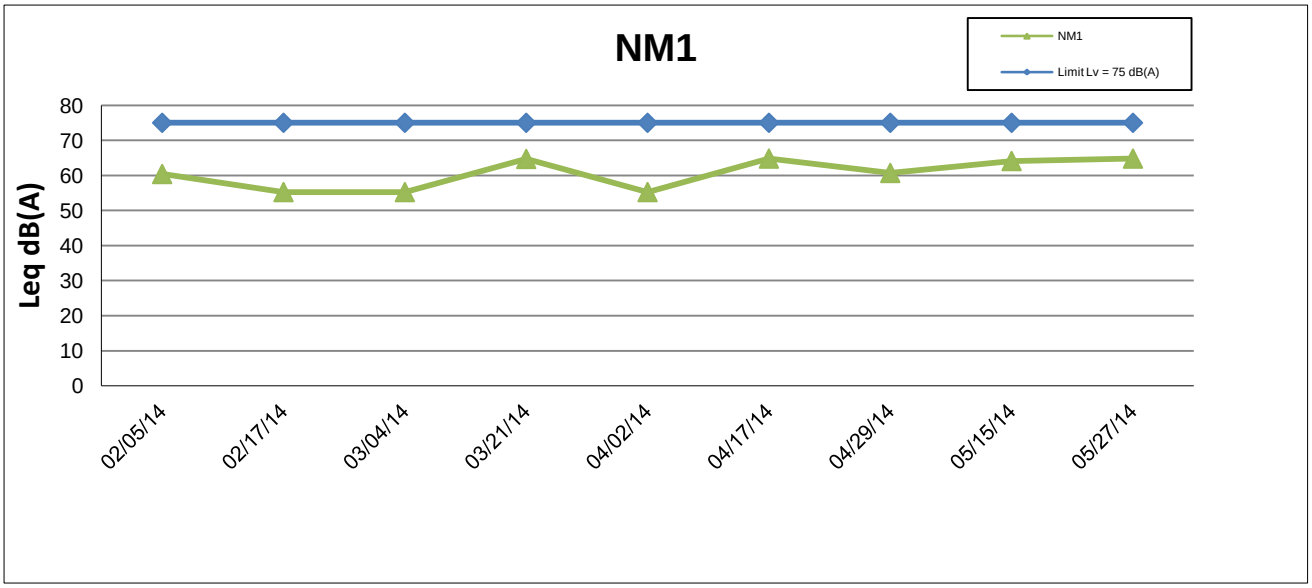
Remarks:
- Limit Level of 70dB(A) applies to education institutes while 65dB(A) applies during school examination period.
** Construction noise level is only calculated when Measured noise level (Leq) > Baseline noise level.
If Measured noise level < Baseline noise level, Corrected noise level = Measured noise level

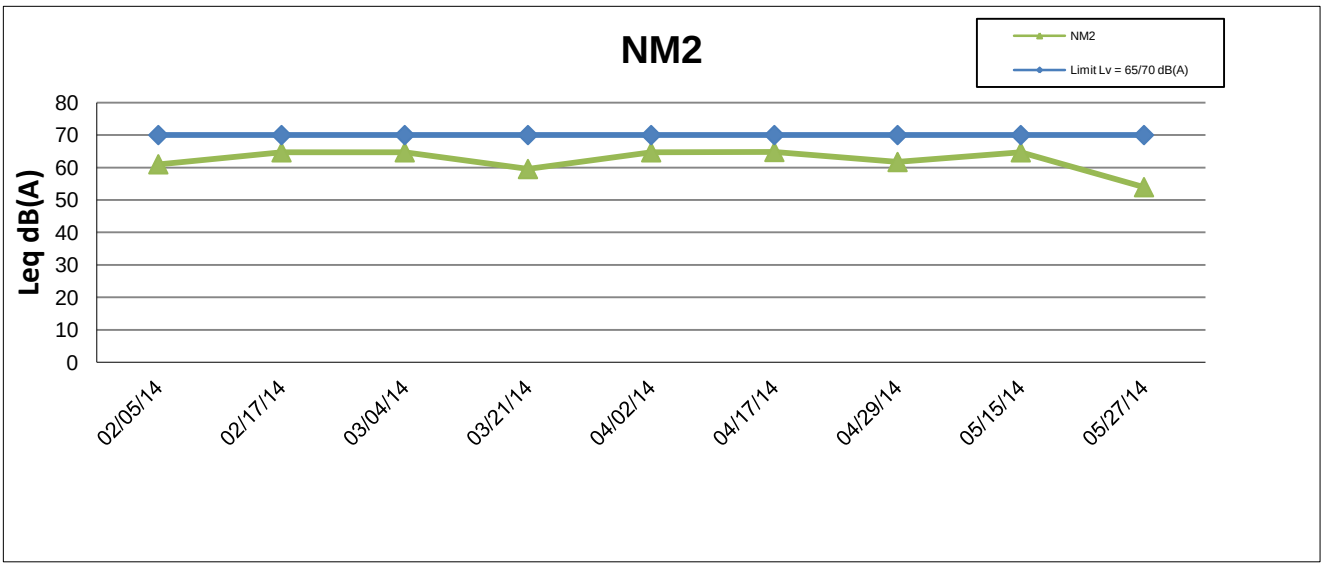
Appendix G Impact Daytime Construction Noise Monitoring Results

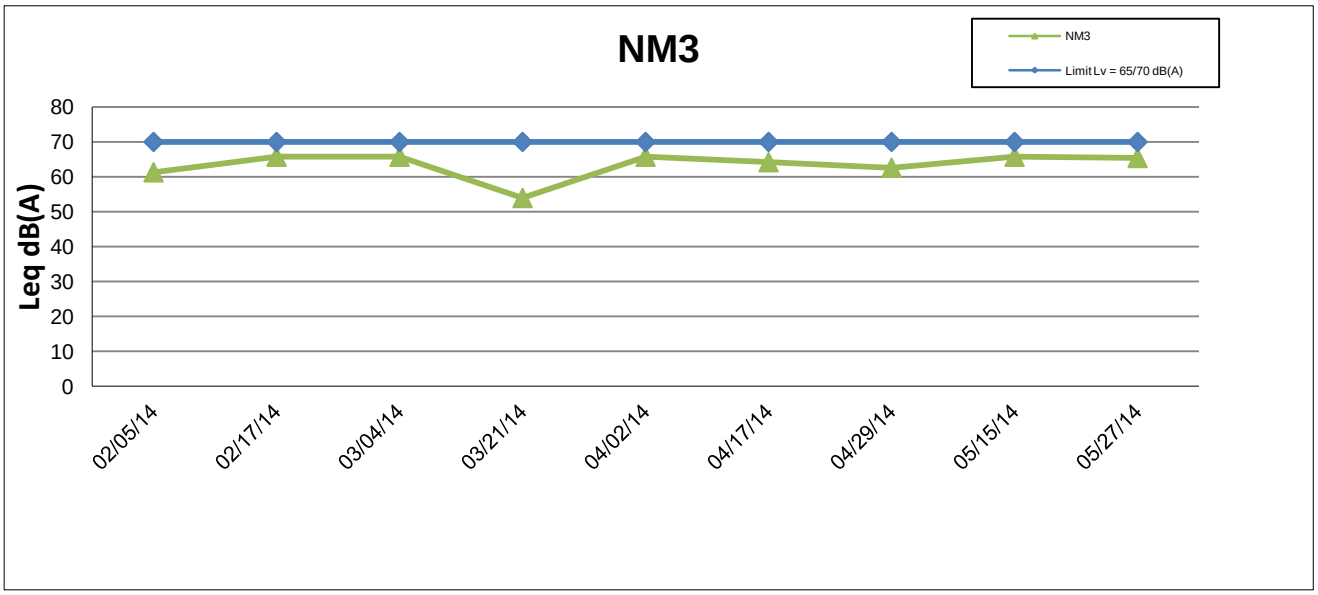
Location : NM3 (C.C.C. Kei Faat Primary School (Yau Tong) Rooftop - Façade)
Day time 07:00-19:00 hrs Normal Weekdays Impact Noise Monitoring Results

Date	Start Time	End Time	Weather	Measured Noise Level for 30-min, dB(A)			Baseline Noise Level, dB(A)	Corrected Construction Noise Level, dB(A) **	Limit Level, dB(A)#	Major Noise Source(s) Observed	Exceedance (Y/N)	Mean Temp. (°C)	Mean Wind Speed (m/s)	Noise Meter Model / ID	Calibrator Model / ID
				Leq	L10	L90									
15-May-14	14:00	14:30	Cloudy	**68.6**	59.7	65.7	65.4	65.8	70.0	Construciton Noise	N	28.9	<5 m/s	B&K 2250L (2681366)	Rion NC-73 (10307223)
27-May-14	14:15	14:45	Sunny	**65.4**	68.1	64.3	65.4	65.4	70.0	Construciton Noise	N	29.7	<5 m/s	Rion NL-31 (00320528)	Rion NC-73 (10307223)
							Average	**65.6**							
							Min.	**65.4**							
							Max.	**65.8**							

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







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

AECOM	**Yau Tong Bay – Decommissioning of Shipyard Sites**	SCALE	N.T.S.	DATE	Jun-14
		CHECK	ENFL	DRAWN	JCYK
	Graphical Presentation of Impact Daytime Construction Noise Monitoring Results	JOB NO.	60048283	**APPENDIX No.** G	**Rev.** -

APPENDIX H
EVENT ACTION PLAN

Appendix H – Event Action Plan

Event / Action Plan for Noise

Event Limit Level	Action			
	ET Leader	**IEC**	**ER**	**Contractor**
Action Level	1. Notify IEC, ER and Contactor; 2. Carry out investigation and identify the source; 3. Report the results of investigation to the IEC, ER and Contactor; 4. Discuss with the IEC and Contractor on remedial measures required; 5. Increase monitoring frequency to check mitigation effectiveness.	1. Review the investigation results submitted by the ET; 2. Review the proposed remedial measures by the Contractor and advise the ER accordingly; 3. Advise the ER on the effectiveness of the proposed remedial measures.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures.	1. Submit noise mitigation proposals to IEC and ER; 2. Implement noise mitigation proposals.
Limit Level	1. Inform IEC, ER, EPD and Contractor; 2. Repeat measurement to confirm findings; 3. Increase monitoring frequency; 4. Identify source and investigate the cause of exceedance; 5. Carry out analysis of Contractor‟s working procedures; 6. Discuss with the IEC, Contractor and ER on remedial measures require; 7. Assess effectiveness of Contractor‟s remedial actions and keep IEC, EPD and ER informed of the results; 8. If exceedance stops, cease additional monitoring .	1. Review the investigation results submitted by the ET; 2. Check the Contractor‟s working procedures; 3. Discuss amongst ER, ET and Contractor on the potential remedial actions; 4. Review Contractor‟s remedial actions whenever necessary to assure their effectiveness and advise the ER accordingly.	1. Confirm receipt of notification of failure in writing; 2. Notify Contractor; 3. In consolidation with the IEC, agree with the Contractor on the remedial measures to be implemented; 4. Supervise the implementation of remedial measures; 5. If exceedance continues, consider stopping the Contractor to continue working on that portion of work which causes the exceedance until the exceedance is abated.	1. Take immediate action to avoid further exceedance; 2. Discuss with ET, IEC and ER on proper remedial measures; 3. Submit proposals for remedial actions to IEC and ER within 3 working days of notification; 4. Implement the agreed proposals ; 5. Submit further proposal if problem still not under control; 6. Stop the relevant portion of works as instructed by the ER until the exceedance is abated .

APPENDIX I
SITE INSPECTION SUMMARIES

Site Inspection Summary

Inspection Information

Date:	5 May 2014
Time:	11:30
Inspection No.:	77

Non-compliance

Nil

Observations

Follow Up Observations

1. Regular spraying of water has been maintained for areas not covered by water sprinklers (Closed).

New Observations

Nil.

Remarks

Nil

Site Inspection Summary

Inspection Information

Date:	14 May 2014
Time:	13:30
Inspection No.:	78

Non-compliance

Nil

Observations

Follow Up Observations

1. Regular spraying of water has been maintained for areas not covered by water sprinklers (Closed).

New Observations

Nil.

Remarks

Nil

Site Inspection Summary

Inspection Information

Date:	22 May 2014
Time:	15:40
Inspection No.:	79

Non-compliance

Nil

Observations

Follow Up Observations

1. Regular spraying of water has been maintained for areas not covered by water sprinklers (Closed).

New Observations

Nil.

Remarks

Nil

Site Inspection Summary

Inspection Information

Date:	26 May 2014
Time:	15:10
Inspection No.:	80

Non-compliance

Nil

Observations

Follow Up Observations

1. Regular spraying of water has been maintained for areas not covered by water sprinklers (Closed).

New Observations

Nil.

Remarks

Nil

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

Appendix J
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

APPENDIX K
LABORATORY TESTING RESULTS

RESULTS FROM THE CONTRACTOR

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

HOKLAS 066 TEST

CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 5
Contact	: MR KAM HUNG LEE	Contact	: Fung Lim Chee, Richard	Work Order	: HK1412122
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: khlee425@yahoo.com.hk	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: YAU TONG BAY REDEVELOPMENT - LAND DECONTAMINATION WORKS	Quote number	: ----	Date Samples Received	: 16-APR-2014
Order number	: ----			Issue Date	: 05-MAY-2014
C-O-C number	: H017970			No. of samples received	: 4
Site	: YAU TONG BAY			No. of samples analysed	: 4

Hong Kong Accreditation Service (HKAS) has accedited this laboratory (ALS Technichem (HK) Pty Ltd) under Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories	*Position*	*Authorised results for*
Wong Wing, Kenneth	**Manager - Metals**	**Inorganics**

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 30-APR-2014

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific comments for Work Order: **HK1412122**

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Sample(s) analysed and reported on an as received basis.
Water sample(s) were filtered prior to dissolved metal analysis.
TCLP leachate sample(s) were filtered prior to dissolved metal analysis.
The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98.

Analytical Results

Sub-Matrix: **TCLP LEACHATE**

Compound	*CAS Number*	*LOR*	*Unit*	*Client sample ID* **R6/TCLP**	**R6/TCLP.1**			
				Client sampling date / time [16-APR-2014]	[16-APR-2014]			
				HK1412122-001	**HK1412122-002**			
EG: Metals and Major Cations - Filtered								
EG020: Lead	7439-92-1	0.1	mg/L	<0.1	<0.1			
Sample Preparation Method								
E-TCLP: Extraction Fluid Number	----	-	--	**1**	**1**			

Sub-Matrix: **WATER**				Client sample ID	**FB21**	**EB21**			
				Client sampling date / time	[16-APR-2014]	[16-APR-2014]			
Compound	*CAS Number*	*LOR*	*Unit*		**HK1412122-003**	**HK1412122-004**			
EG: Metals and Major Cations - Filtered									
EG020: Lead	7439-92-1	1	µg/L		<1	<1			

Laboratory Duplicate (DUP) Report

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 3405164)								
HK1412122-004	EB21	**EG020: Lead**	7439-92-1	1	µg/L	<1	<1	0.0
EG: Metals and Major Cations - Filtered (QC Lot: 3412272)								
HK1412198-004	Anonymous	**EG020: Lead**	7439-92-1	0.1	mg/L	1.7	1.8	7.6

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3405164)											
EG020: Lead	7439-92-1	1	µg/L	<1	100 µg/L	92.9	----	82	108	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3412272)											
EG020: Lead	7439-92-1	0.001	mg/L	<0.1	1 mg/L	93.1	----	82	104	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3405164)										
HK1412122-003	FB21	**EG020: Lead**	7439-92-1	100 µg/L	95.2	----	75	125	----	----
EG: Metals and Major Cations - Filtered (QC Lot: 3412272)										
HK1412122-001	R6/TCLP	**EG020: Lead**	7439-92-1	1 mg/L	92.6	92.8	75	125	0.2	----

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

HOKLAS 066 TEST

CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 7
Contact	: MR KAM HUNG LEE	Contact	: Fung Lim Chee, Richard	Work Order	: HK1412426
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: khlee425@yahoo.com.hk	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: YAU TONG BAY REDEVELOPMENT - LAND DECONTAMINATION WORKS	Quote number	: ----	Date Samples Received	: 23-APR-2014
Order number	: ----			Issue Date	: 09-MAY-2014
C-O-C number	: H017971-H017972			No. of samples received	: 20
Site	: YAU TONG BAY			No. of samples analysed	: 20

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 28-APR-2014

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific comments for Work Order: **HK1412426**

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Soil sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Hong Kong Accreditation Service (HKAS) has accedited this laboratory (ALS Technichem (HK) Pty Ltd) under Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories	*Position*	*Authorised results for*
Chan Ka Yu, Karen	**Assistant Manager - Organics**	**Organics**
Chan Siu Ming, Vico	**Manager - Inorganics**	**Inorganics**

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID	BP1/T1/1.0	BP2/T1/1.0	BP3/T1/1.0	BP4/T1/1.0	BP5/T1/1.0
				Client sampling date / time	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]
					HK1412426-001	HK1412426-002	HK1412426-003	HK1412426-004	HK1412426-005
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**10.1**	**13.0**	**14.3**	**9.9**	**7.9**
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	5.00	mg/kg		<5.00	**20.9**	**6.08**	<5.00	<5.00
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates								Surrogate control limits listed at end of this report.	
2-Fluorobiphenyl	321-60-8	0.1	%		**96.6**	**84.8**	**87.8**	**87.7**	**86.3**
4-Terphenyl-d14	1718-51-0	0.1	%		**104**	**92.9**	**98.0**	**92.8**	**91.9**

Sub-Matrix: **SOIL**				*Client sample ID*	**BP6/T1/1.0**	**BP6.A/T1/1.0**	**BP7/T2/1.0**	**BP8/T2/1.0**	**BP9/T2/1.0**
				Client sampling date / time	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]
Compound	*CAS Number*	*LOR*	*Unit*		**HK1412426-006**	**HK1412426-007**	**HK1412426-008**	**HK1412426-009**	**HK1412426-010**
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**8.0**	**8.7**	**16.4**	**12.8**	**13.6**
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	5.00	mg/kg		<5.00	<5.00	----	----	----
EP-071_SR: Total Petroleum Hydrocarbons (TPH)									
C6 - C9 Fraction	----	2	mg/kg		----	----	<2	<2	<2
C10 - C14 Fraction	----	50	mg/kg		----	----	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg		----	----	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg		----	----	<100	<100	<100
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates								Surrogate control limits listed at end of this report.	
2-Fluorobiphenyl	321-60-8	0.1	%		**91.3**	**91.4**	----	----	----
4-Terphenyl-d14	1718-51-0	0.1	%		**96.4**	**95.9**	----	----	----
EP-080_SRS: TPH(Volatile)/BTEX Surrogate								Surrogate control limits listed at end of this report.	
Dibromofluoromethane	1868-53-7	0.1	%		----	----	**95.3**	**97.4**	**95.9**
Toluene-D8	2037-26-5	0.1	%		----	----	**99.4**	**96.9**	**98.6**
4-Bromofluorobenzene	460-00-4	0.1	%		----	----	**94.0**	**97.4**	**99.4**

Sub-Matrix: **SOIL**				*Client sample ID*	**BP10/T2/1.0**	**BP11/T2/1.0**	**BP12/T2/1.0**	**BP13/T2/1.0**	**BP14/T1/1.0**
				Client sampling date / time	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]
Compound	*CAS Number*	*LOR*	*Unit*		**HK1412426-011**	**HK1412426-012**	**HK1412426-013**	**HK1412426-014**	**HK1412426-015**
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**20.8**	**15.4**	**16.1**	**17.6**	**15.0**
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	5.00	mg/kg		----	----	----	----	<5.00
EP-071_SR: Total Petroleum Hydrocarbons (TPH)									
C6 - C9 Fraction	----	2	mg/kg		<2	<2	<2	<2	----
C10 - C14 Fraction	----	50	mg/kg		<50	<50	<50	**61**	----
C15 - C28 Fraction	----	100	mg/kg		<100	**355**	**397**	**783**	----
C29 - C36 Fraction	----	100	mg/kg		<100	**365**	**366**	**480**	----
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH)									
C9 - C16 Fraction	----	200	mg/kg		----	----	----	----	<200
C17 - C35 Fraction	----	500	mg/kg		----	----	----	----	**642**
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH)									
Benzene	71-43-2	0.2	mg/kg		----	----	----	----	<0.2
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates								Surrogate control limits listed at end of this report.	
2-Fluorobiphenyl	321-60-8	0.1	%		----	----	----	----	**91.8**
4-Terphenyl-d14	1718-51-0	0.1	%		----	----	----	----	**106**
EP-080_SRS: TPH(Volatile)/BTEX Surrogate								Surrogate control limits listed at end of this report.	
Dibromofluoromethane	1868-53-7	0.1	%		**98.4**	**98.8**	**102**	**92.4**	----
Toluene-D8	2037-26-5	0.1	%		**95.7**	**96.6**	**97.3**	**100**	----
4-Bromofluorobenzene	460-00-4	0.1	%		**97.6**	**99.1**	**99.4**	**93.3**	----
EP-074_SR-S: VOC Surrogates								Surrogate control limits listed at end of this report.	
Dibromofluoromethane	1868-53-7	0.1	%		----	----	----	----	**98.8**
Toluene-D8	2037-26-5	0.1	%		----	----	----	----	**97.5**
4-Bromofluorobenzene	460-00-4	0.1	%		----	----	----	----	**98.8**

Sub-Matrix: SOIL				Client sample ID	BP15/T1/1.0	BP16/T1/1.0	BP17/T1/1.0	BP18/T1/1.0	BP19/T1/1.0
				Client sampling date / time	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]	[23-APR-2014]
Compound	CAS Number	LOR	Unit		HK1412426-016	HK1412426-017	HK1412426-018	HK1412426-019	HK1412426-020
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**14.7**	**14.2**	**16.5**	**14.5**	**12.1**
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	5.00	mg/kg		**5.39**	**26.0**	<5.00	<5.00	<5.00
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH)									
C9 - C16 Fraction	----	200	mg/kg		<200	<200	<200	<200	<200
C17 - C35 Fraction	----	500	mg/kg		**1810**	**1060**	**1400**	**970**	**1900**
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH)									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates								Surrogate control limits listed at end of this report.	
2-Fluorobiphenyl	321-60-8	0.1	%		**89.8**	**91.1**	**94.3**	**92.6**	**91.0**
4-Terphenyl-d14	1718-51-0	0.1	%		**106**	**107**	**108**	**114**	**114**
EP-074_SR-S: VOC Surrogates								Surrogate control limits listed at end of this report.	
Dibromofluoromethane	1868-53-7	0.1	%		**94.1**	**94.5**	**94.4**	**98.3**	**90.9**
Toluene-D8	2037-26-5	0.1	%		**97.5**	**98.1**	**97.4**	**94.6**	**97.4**
4-Bromofluorobenzene	460-00-4	0.1	%		**96.9**	**92.2**	**96.4**	**102**	**97.0**

Laboratory Duplicate (DUP) Report

Matrix: SOIL

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3407149)								
HK1412389-001	Anonymous	**EA055: Moisture Content (dried @ 103°C)**	----	0.1	%	55.0	54.0	1.7
HK1412426-010	BP9/T2/1.0	**EA055: Moisture Content (dried @ 103°C)**	----	0.1	%	13.6	13.5	0.9
EA/ED: Physical and Aggregate Properties (QC Lot: 3407150)								
HK1412426-020	BP19/T1/1.0	**EA055: Moisture Content (dried @ 103°C)**	----	0.1	%	12.1	13.0	7.2
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3403858)								
HK1411775-001	Anonymous	**Bis(2-ethylhexyl)phthalate**	117-81-7	1000	µg/kg	<1000	<1000	0.0
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3406396)								
HK1412426-008	BP7/T2/1.0	**C15 - C28 Fraction**	----	100	mg/kg	<100	<100	0.0
		C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0
		C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3406407)								
HK1412426-008	BP7/T2/1.0	**C6 - C9 Fraction**	----	2	mg/kg	<2	<2	0.0
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3403859)								
HK1412176-001	Anonymous	**C9 - C16 Fraction**	----	200	mg/kg	1940	1820	5.9
		C17 - C35 Fraction	----	500	mg/kg	2430	2130	13.4
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 3403865)								
HK1412176-001	Anonymous	**Benzene**	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: SOIL

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3403858)											
Bis(2-ethylhexyl)phthalate	117-81-7	25	µg/kg	---- <1000	25 µg/kg ----	95.3 ----	---- ----	73 ----	120 ----	---- ----	---- ----
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3406396)											
C10 - C14 Fraction	----	50	mg/kg	<50	22.5 mg/kg	85.3	----	23	155	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	52.5 mg/kg	88.5	----	12	154	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	52.5 mg/kg	40.6	----	0	131	----	----
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3406407)											
C6 - C9 Fraction	----	2	mg/kg	<2	6 mg/kg	85.9	----	72	123	----	----
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3403859)											
C9 - C16 Fraction	----	200	mg/kg	<200	32 mg/kg	87.0	----	51	122	----	----
C17 - C35 Fraction	----	500	mg/kg	<500	90 mg/kg	81.2	----	11	129	----	----
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 3403865)											
Benzene	71-43-2	0.1	mg/kg	<0.1	0.25 mg/kg	86.0	----	55	128	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: SOIL

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report							
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3406396)										
HK1412426-009	BP8/T2/1.0	**C10 - C14 Fraction**	----	16 mg/kg	130	----	50	130	----	----
		C15 - C28 Fraction	----	53 mg/kg	91.5	----	50	130	----	----
		C29 - C36 Fraction	----	45 mg/kg	113	----	50	130	----	----
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3406407)										
HK1412426-009	BP8/T2/1.0	**C6 - C9 Fraction**	----	6 mg/kg	93.8	----	50	130	----	----
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3403859)										
HK1412176-002	Anonymous	**C9 - C16 Fraction**	----	32 mg/kg	-	----	50	130	----	----
		C17 - C35 Fraction	----	90 mg/kg	-	----	50	130	----	----

Surrogate Control Limits

Sub-Matrix: SOIL

Compound	CAS Number	Recovery Limits (%)	
		Low	High
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates			
2-Fluorobiphenyl	321-60-8	50	130
4-Terphenyl-d14	1718-51-0	50	130
EP-080_SRS: TPH(Volatile)/BTEX Surrogate			
Dibromofluoromethane	1868-53-7	80	120
Toluene-D8	2037-26-5	81	117
4-Bromofluorobenzene	460-00-4	74	121
EP-074_SR-S: VOC Surrogates			
Dibromofluoromethane	1868-53-7	80	120
Toluene-D8	2037-26-5	81	117
4-Bromofluorobenzene	460-00-4	74	121

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

HOKLAS 066 TEST

CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 8
Contact	: MR KAM HUNG LEE	Contact	: Fung Lim Chee, Richard	Work Order	: HK1413632
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: khlee425@yahoo.com.hk	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: YAU TONG BAY REDEVELOPMENT - LAND DECONTAMINATION WORKS	Quote number	: ----	Date Samples Received	: 05-MAY-2014
Order number	: ----			Issue Date	: 19-MAY-2014
C-O-C number	: H017973-H017974			No. of samples received	: 13
Site	: YAU TONG BAY			No. of samples analysed	: 13

Hong Kong Accreditation Service (HKAS) has accedited this laboratory (ALS Technichem (HK) Pty Ltd) under Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories	*Position*	*Authorised results for*
Anh Ngoc Huynh	Senior Chemist - Organics	Organics
Wong Wing, Kenneth	Manager - Metals	Inorganics

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 12-MAY-2014

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific comments for Work Order: **HK1413632**

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Water sample(s) analysed and reported on an as received basis.
Soil sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.
Water sample(s) were filtered prior to dissolved metal analysis.

Analytical Results

Sub-Matrix: **SOIL**

Compound	*CAS Number*	*LOR*	*Unit*	*Client sample ID* / *Client sampling date / time*	BP7/T3/1.0 [05-MAY-2014]	BP8/T3/1.0 [05-MAY-2014]	BP9/T3/1.0 [05-MAY-2014]	BP10/T3/1.0 [05-MAY-2014]	BP11/T3/1.0 [05-MAY-2014]
					HK1413632-001	HK1413632-002	HK1413632-003	HK1413632-004	HK1413632-005
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**17.4**	**16.7**	**16.5**	**20.8**	**21.1**
EP-071_SR: Total Petroleum Hydrocarbons (TPH)									
C6 - C9 Fraction	----	2	mg/kg		<2	<2	<2	<2	<2
C10 - C14 Fraction	----	50	mg/kg		<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg		<100	<100	<100	<100	**543**
C29 - C36 Fraction	----	100	mg/kg		<100	<100	<100	<100	**688**
EP-080_SRS: TPH(Volatile)/BTEX Surrogate									Surrogate control limits listed at end of this report.
Dibromofluoromethane	1868-53-7	0.1	%		**92.9**	**91.5**	**91.2**	**97.1**	**92.4**
Toluene-D8	2037-26-5	0.1	%		**94.9**	**95.9**	**95.4**	**95.5**	**96.0**
4-Bromofluorobenzene	460-00-4	0.1	%		**105**	**106**	**108**	**105**	**107**

Sub-Matrix: **SOIL**				*Client sample ID*	**BP12/T3/1.0**	**BP13/T3/1.0**			
				Client sampling date / time	[05-MAY-2014]	[05-MAY-2014]			
Compound	*CAS Number*	*LOR*	*Unit*		**HK1413632-006**	**HK1413632-007**			
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**16.4**	**18.6**			
EP-071_SR: Total Petroleum Hydrocarbons (TPH)									
C6 - C9 Fraction	----	2	mg/kg		<2	<2			
C10 - C14 Fraction	----	50	mg/kg		<50	<50			
C15 - C28 Fraction	----	100	mg/kg		**629**	**593**			
C29 - C36 Fraction	----	100	mg/kg		**522**	**534**			
EP-080_SRS: TPH(Volatile)/BTEX Surrogate									Surrogate control limits listed at end of this report.
Dibromofluoromethane	1868-53-7	0.1	%		**93.5**	**92.8**			
Toluene-D8	2037-26-5	0.1	%		**95.5**	**95.9**			
4-Bromofluorobenzene	460-00-4	0.1	%		**106**	**106**			

Sub-Matrix: **WATER**				*Client sample ID*	**EB22 (TCLP)**	**FB22 (TCLP)**	**EB23 (TCLP)**	**FB23 (TCLP)**	**FB24 (BP)**
				Client sampling date / time	[05-MAY-2014]	[05-MAY-2014]	[05-MAY-2014]	[05-MAY-2014]	[05-MAY-2014]
Compound	*CAS Number*	*LOR*	*Unit*		**HK1413632-008**	**HK1413632-009**	**HK1413632-010**	**HK1413632-011**	**HK1413632-012**
EG: Metals and Major Cations - Filtered									
EG020: Lead	7439-92-1	1	µg/L		<1	<1	<1	<1	----
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	10.0	µg/L		----	----	----	----	<10.0
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH)									
C9 - C16 Fraction	----	0.5	mg/L		----	----	----	----	<0.5
C17 - C35 Fraction	----	0.5	mg/L		----	----	----	----	<0.5
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH)									
Benzene	71-43-2	0.5	µg/L		----	----	----	----	<0.5
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates									Surrogate control limits listed at end of this report.
2-Fluorobiphenyl	321-60-8	0.1	%		----	----	----	----	**60.4**
4-Terphenyl-d14	1718-51-0	0.1	%		----	----	----	----	**97.0**
EP-074_SR-S: VOC Surrogates									Surrogate control limits listed at end of this report.
Dibromofluoromethane	1868-53-7	0.1	%		----	----	----	----	**101**
Toluene-D8	2037-26-5	0.1	%		----	----	----	----	**102**
4-Bromofluorobenzene	460-00-4	0.1	%		----	----	----	----	**102**

Sub-Matrix: **WATER**				*Client sample ID*	**EB24 (BP)**				
				Client sampling date / time	[05-MAY-2014]				
Compound	*CAS Number*	*LOR*	*Unit*		**HK1413632-013**				
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	10.0	µg/L		<10.0				
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH)									
C9 - C16 Fraction	----	0.5	mg/L		<0.5				
C17 - C35 Fraction	----	0.5	mg/L		<0.5				
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH)									
Benzene	71-43-2	0.5	µg/L		<0.5				
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates									Surrogate control limits listed at end of this report.
2-Fluorobiphenyl	321-60-8	0.1	%		**67.6**				
4-Terphenyl-d14	1718-51-0	0.1	%		**96.4**				
EP-074_SR-S: VOC Surrogates									Surrogate control limits listed at end of this report.
Dibromofluoromethane	1868-53-7	0.1	%		**100**				
Toluene-D8	2037-26-5	0.1	%		**102**				
4-Bromofluorobenzene	460-00-4	0.1	%		**101**				

Laboratory Duplicate (DUP) Report

Matrix: SOIL

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3426243)								
HK1413524-003	Anonymous	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	17.3	16.4	5.2
HK1413672-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	----	0.1	%	67.7	67.2	0.6
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3425085)								
HK1413632-001	BP7/T3/1.0	C15 - C28 Fraction	----	100	mg/kg	<100	<100	0.0
		C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0
		C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3425086)								
HK1413632-001	BP7/T3/1.0	C6 - C9 Fraction	----	2	mg/kg	<2	<2	0.0

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 3426330)								
HK1413632-009	FB22 (TCLP)	EG020: Lead	7439-92-1	1	µg/L	<1	<1	0.0
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 3426455)								
HK1413632-012	FB24 (BP)	Benzene	71-43-2	0.5	µg/L	<0.5	<0.5	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: SOIL

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report					
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3425085)											
C10 - C14 Fraction	----	50	mg/kg	<50	22.5 mg/kg	88.4	----	23	155	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	52.5 mg/kg	85.0	----	12	154	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	52.5 mg/kg	64.3	----	0	131	----	----
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3425086)											
C6 - C9 Fraction	----	2	mg/kg	<2	6 mg/kg	97.2	----	72	123	----	----

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3426330)											
EG020: Lead	7439-92-1	1	µg/L	<1	100 µg/L	97.1	----	82	108	----	----
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3425081)											
Bis(2-ethylhexyl)phthalate	117-81-7	10	µg/L	<10.0	0.5 µg/L	94.2	----	78	123	----	----
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3425082)											
C9 - C16 Fraction	----	0.5	mg/L	<0.5	0.21 mg/L	76.2	----	14	106	----	----
C17 - C35 Fraction	----	0.5	mg/L	<0.5	0.60 mg/L	110	----	8	130	----	----
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 3426455)											
Benzene	71-43-2	0.5	µg/L	<0.5	2 µg/L	90.2	----	53	129	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: SOIL

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3425085)										
HK1413632-002	BP8/T3/1.0	**C10 - C14 Fraction**	----	23 mg/kg	101	----	50	130	----	----
		C15 - C28 Fraction	----	53 mg/kg	96.8	----	50	130	----	----
		C29 - C36 Fraction	----	53 mg/kg	120	----	50	130	----	----
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3425086)										
HK1413632-002	BP8/T3/1.0	**C6 - C9 Fraction**	----	6 mg/kg	107	----	50	130	----	----

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report						
				Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
					MS	MSD	Low	High	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 3426330)										
HK1413632-008	EB22 (TCLP)	**EG020: Lead**	7439-92-1	100 µg/L	101	----	75	125	----	----

Surrogate Control Limits

Sub-Matrix: SOIL

Compound	CAS Number	Recovery Limits (%)	
		Low	High
EP-080_SRS: TPH(Volatile)/BTEX Surrogate			
Dibromofluoromethane	1868-53-7	80	120
Toluene-D8	2037-26-5	81	117
4-Bromofluorobenzene	460-00-4	74	121

Sub-Matrix: WATER

Compound	CAS Number	Recovery Limits (%)	
		Low	High
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates			
2-Fluorobiphenyl	321-60-8	50	130
4-Terphenyl-d14	1718-51-0	50	130
EP-074_SR-S: VOC Surrogates			
Dibromofluoromethane	1868-53-7	86	118
Toluene-D8	2037-26-5	88	110
4-Bromofluorobenzene	460-00-4	86	115

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

HOKLAS 066 TEST

CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 9
Contact	: MR KAM HUNG LEE	Contact	: Fung Lim Chee, Richard	Work Order	: HK1415560
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, N.T. HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: khlee425@yahoo.com.hk	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: YAU TONG BAY REDEVELOPMENT - LAND DECONTAMINATION WORKS	Quote number	: ----	Date Samples Received	: 19-MAY-2014
Order number	: ----			Issue Date	: 30-MAY-2014
C-O-C number	: H017975-H017976			No. of samples received	: 18
Site	: YAU TONG BAY			No. of samples analysed	: 18

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 27-MAY-2014

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific comments for Work Order: **HK1415560**

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Water sample(s) analysed and reported on an as received basis.

Soil sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Hong Kong Accreditation Service (HKAS) has accedited this laboratory (ALS Technichem (HK) Pty Ltd) under Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories	*Position*	*Authorised results for*
Chan Ka Yu, Karen	Assistant Manager - Organics	Organics
Chan Siu Ming, Vico	Manager - Inorganics	Inorganics
Wong Wing, Kenneth	Manager - Metals	Inorganics

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID	BP1/T2/1.0	BP2/T2/1.0	BP3/T2/1.0	BP4/T2/1.0	BP5/T2/1.0
				Client sampling date / time	[19-MAY-2014]	[19-MAY-2014]	[19-MAY-2014]	[19-MAY-2014]	[19-MAY-2014]
					HK1415560-001	HK1415560-002	HK1415560-003	HK1415560-004	HK1415560-005
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**13.3**	**11.3**	**17.5**	**12.5**	**11.7**
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	5.00	mg/kg		<5.00	**52.2**	<5.00	<5.00	<5.00
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates								Surrogate control limits listed at end of this report.	
2-Fluorobiphenyl	321-60-8	0.1	%		**83.8**	**95.2**	**90.2**	**91.5**	**100**
4-Terphenyl-d14	1718-51-0	0.1	%		**103**	**118**	**114**	**115**	**110**

Sub-Matrix: **SOIL**				*Client sample ID*	**BP6/T2/1.0**	**BP6A/T2/1.0**	**BP11/T4/1.0**	**BP12/T4/1.0**	**BP13/T4/1.0**
				Client sampling date / time	[19-MAY-2014]	[19-MAY-2014]	[19-MAY-2014]	[19-MAY-2014]	[19-MAY-2014]
Compound	*CAS Number*	*LOR*	*Unit*		**HK1415560-006**	**HK1415560-007**	**HK1415560-008**	**HK1415560-009**	**HK1415560-010**
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**11.2**	**10.6**	**18.2**	**10.6**	**16.3**
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	5.00	mg/kg		<5.00	<5.00	----	----	----
EP-071_SR: Total Petroleum Hydrocarbons (TPH)									
C6 - C9 Fraction	----	2	mg/kg		----	----	<2	<2	<2
C10 - C14 Fraction	----	50	mg/kg		----	----	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg		----	----	**274**	**350**	**352**
C29 - C36 Fraction	----	100	mg/kg		----	----	**274**	**336**	**312**
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates									Surrogate control limits listed at end of this report.
2-Fluorobiphenyl	321-60-8	0.1	%		**102**	**94.2**	----	----	----
4-Terphenyl-d14	1718-51-0	0.1	%		**113**	**102**	----	----	----
EP-080_SRS: TPH(Volatile)/BTEX Surrogate									Surrogate control limits listed at end of this report.
Dibromofluoromethane	1868-53-7	0.1	%		----	----	**91.3**	**90.4**	**90.9**
Toluene-D8	2037-26-5	0.1	%		----	----	**97.9**	**99.0**	**98.2**
4-Bromofluorobenzene	460-00-4	0.1	%		----	----	**105**	**104**	**103**

Sub-Matrix: **SOIL**				*Client sample ID*	**BP14/T2/1.0**	**BP15/T2/1.0**	**BP16/T2/1.0**	**BP17/T2/1.0**	**BP18/T2/1.0**
				Client sampling date / time	[19-MAY-2014]	[19-MAY-2014]	[19-MAY-2014]	[19-MAY-2014]	[19-MAY-2014]
Compound	*CAS Number*	*LOR*	*Unit*		**HK1415560-011**	**HK1415560-012**	**HK1415560-013**	**HK1415560-014**	**HK1415560-015**
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	----	0.1	%		**17.9**	**18.5**	**16.1**	**12.7**	**14.9**
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	5.00	mg/kg		<5.00	<5.00	<5.00	**5.05**	<5.00
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH)									
C9 - C16 Fraction	----	200	mg/kg		<200	<200	<200	<200	<200
C17 - C35 Fraction	----	500	mg/kg		**2450**	**2540**	**1600**	**1620**	**1040**
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH)									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates									Surrogate control limits listed at end of this report.
2-Fluorobiphenyl	321-60-8	0.1	%		**80.3**	**81.8**	**90.1**	**91.3**	**84.1**
4-Terphenyl-d14	1718-51-0	0.1	%		**96.2**	**98.5**	**105**	**97.4**	**99.5**
EP-074_SR-S: VOC Surrogates									Surrogate control limits listed at end of this report.
Dibromofluoromethane	1868-53-7	0.1	%		**90.5**	**90.9**	**90.1**	**90.4**	**90.6**
Toluene-D8	2037-26-5	0.1	%		**96.6**	**99.0**	**97.8**	**98.4**	**98.2**
4-Bromofluorobenzene	460-00-4	0.1	%		**105**	**105**	**103**	**104**	**104**

Sub-Matrix: **SOIL**			*Client sample ID*	**BP19/T2/1.0**				
			Client sampling date / time	[19-MAY-2014]				
Compound	*CAS Number*	*LOR*	*Unit*	**HK1415560-016**				
EA/ED: Physical and Aggregate Properties								
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	**13.9**				
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate								
Bis(2-ethylhexyl)phthalate	117-81-7	5.00	mg/kg	<5.00				
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH)								
C9 - C16 Fraction	----	200	mg/kg	<200				
C17 - C35 Fraction	----	500	mg/kg	**963**				
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH)								
Benzene	71-43-2	0.2	mg/kg	<0.2				
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates								Surrogate control limits listed at end of this report.
2-Fluorobiphenyl	321-60-8	0.1	%	**89.0**				
4-Terphenyl-d14	1718-51-0	0.1	%	**111**				
EP-074_SR-S: VOC Surrogates								Surrogate control limits listed at end of this report.
Dibromofluoromethane	1868-53-7	0.1	%	**90.2**				
Toluene-D8	2037-26-5	0.1	%	**97.3**				
4-Bromofluorobenzene	460-00-4	0.1	%	**104**				

Sub-Matrix: **WATER**				Client sample ID	EB25 (BP)	FB25 (BP)			
				Client sampling date / time	[19-MAY-2014]	[19-MAY-2014]			
Compound	*CAS Number*	*LOR*	*Unit*		**HK1415560-017**	**HK1415560-018**			
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate									
Bis(2-ethylhexyl)phthalate	117-81-7	10.0	µg/L		<10.0	<10.0			
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH)									
C9 - C16 Fraction	----	0.5	mg/L		<0.5	<0.5			
C17 - C35 Fraction	----	0.5	mg/L		<0.5	<0.5			
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH)									
Benzene	71-43-2	0.5	µg/L		<0.5	<0.5			
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates									Surrogate control limits listed at end of this report.
2-Fluorobiphenyl	321-60-8	0.1	%		**64.3**	**66.0**			
4-Terphenyl-d14	1718-51-0	0.1	%		**110**	**112**			
EP-074_SR-S: VOC Surrogates									Surrogate control limits listed at end of this report.
Dibromofluoromethane	1868-53-7	0.1	%		**98.5**	**98.0**			
Toluene-D8	2037-26-5	0.1	%		**96.8**	**97.4**			
4-Bromofluorobenzene	460-00-4	0.1	%		**110**	**109**			

Laboratory Duplicate (DUP) Report

Matrix: SOIL

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3459034)								
HK1415560-001	BP1/T2/1.0	**EA055: Moisture Content (dried @ 103°C)**	----	0.1	%	13.3	13.4	0.0
HK1415560-011	BP14/T2/1.0	**EA055: Moisture Content (dried @ 103°C)**	----	0.1	%	17.9	17.7	1.2
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3446883)								
HK1415289-001	Anonymous	**Bis(2-ethylhexyl)phthalate**	117-81-7	1000	µg/kg	<1000	<1000	0.0
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3454954)								
HK1415560-016	BP19/T2/1.0	**Bis(2-ethylhexyl)phthalate**	117-81-7	5000	µg/kg	<5000	<5000	0.0
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3446884)								
HK1414986-003	Anonymous	**C15 - C28 Fraction**	----	100	mg/kg	<100	<100	0.0
		C29 - C36 Fraction	----	100	mg/kg	<100	<100	0.0
		C10 - C14 Fraction	----	50	mg/kg	<50	<50	0.0
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3446888)								
HK1414986-003	Anonymous	**C6 - C9 Fraction**	----	2	mg/kg	<2	<2	0.0
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3444026)								
HK1414894-001	Anonymous	**C9 - C16 Fraction**	----	200	mg/kg	<200	<200	0.0
		C17 - C35 Fraction	----	500	mg/kg	<500	<500	0.0
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 3444029)								
HK1414894-001	Anonymous	**Benzene**	71-43-2	0.2	mg/kg	<0.2	<0.2	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: SOIL

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3446883)											
Bis(2-ethylhexyl)phthalate	117-81-7	25	µg/kg	<1000	25 µg/kg	111	----	85	114	----	----
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3454954)											
Bis(2-ethylhexyl)phthalate	117-81-7	25	µg/kg	<1000	25 µg/kg	96.9	----	85	114	----	----
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3446884)											
C10 - C14 Fraction	----	50	mg/kg	<50	22.5 mg/kg	80.0	----	23	155	----	----
C15 - C28 Fraction	----	100	mg/kg	<100	52.5 mg/kg	74.9	----	12	154	----	----
C29 - C36 Fraction	----	100	mg/kg	<100	52.5 mg/kg	57.1	----	0	131	----	----
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3446888)											
C6 - C9 Fraction	----	2	mg/kg	<2	6 mg/kg	105	----	83	116	----	----
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3444026)											
C9 - C16 Fraction	----	200	mg/kg	<200	32 mg/kg	66.4	----	51	122	----	----
C17 - C35 Fraction	----	500	mg/kg	<500	90 mg/kg	61.7	----	11	129	----	----
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 3444029)											
Benzene	71-43-2	0.1	mg/kg	<0.1	0.25 mg/kg	96.5	----	55	128	----	----

Matrix: WATER

Method: Compound	CAS Number	Method Blank (MB) Report LOR	Unit	Result	Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report: Spike Concentration	Spike Recovery (%) LCS	Spike Recovery (%) DCS	Recovery Limits (%) Low	Recovery Limits (%) High	RPD (%) Value	RPD (%) Control Limit
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3454963)											
Bis(2-ethylhexyl)phthalate	117-81-7	10	µg/L	<10.0	0.5 µg/L	92.0	----	78	123	----	----
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3443885)											
C9 - C16 Fraction	----	0.5	mg/L	<0.5	0.21 mg/L	62.1	----	14	106	----	----
C17 - C35 Fraction	----	0.5	mg/L	<0.5	0.60 mg/L	80.7	----	8	130	----	----
EP-074_SR-A: Monocyclic Aromatic Hydrocarbons (MAH) (QC Lot: 3447393)											
Benzene	71-43-2	0.5	µg/L	<0.5	2 µg/L	99.0	----	53	129	----	----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Matrix: SOIL

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report: Spike Concentration	Spike Recovery (%) MS	Spike Recovery (%) MSD	Recovery Limits (%) Low	Recovery Limits (%) High	RPD (%) Value	RPD (%) Control Limit
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3446884)										
HK1414986-004	Anonymous	C10 - C14 Fraction	----	16 mg/kg	105	----	50	130	----	----
		C15 - C28 Fraction	----	53 mg/kg	68.2	----	50	130	----	----
		C29 - C36 Fraction	----	45 mg/kg	66.4	----	50	130	----	----
EP-071_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3446888)										
HK1414986-004	Anonymous	C6 - C9 Fraction	----	6 mg/kg	105	----	50	130	----	----
EP-071HK_SR: Total Petroleum Hydrocarbons (TPH) (QC Lot: 3444026)										
HK1414894-002	Anonymous	C9 - C16 Fraction	----	32 mg/kg	79.3	----	50	130	----	----
		C17 - C35 Fraction	----	90 mg/kg	122	----	50	130	----	----

Surrogate Control Limits

Sub-Matrix: SOIL

Compound	CAS Number	Recovery Limits (%) Low	Recovery Limits (%) High
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates			
2-Fluorobiphenyl	321-60-8	50	130
4-Terphenyl-d14	1718-51-0	50	130
EP-080_SRS: TPH(Volatile)/BTEX Surrogate			
Dibromofluoromethane	1868-53-7	80	120
Toluene-D8	2037-26-5	81	117
4-Bromofluorobenzene	460-00-4	74	121
EP-074_SR-S: VOC Surrogates			
Dibromofluoromethane	1868-53-7	80	120
Toluene-D8	2037-26-5	81	117
4-Bromofluorobenzene	460-00-4	74	121

Sub-Matrix: WATER

		Recovery Limits (%)

Sub-Matrix: **WATER**

Compound	*CAS Number*	*Recovery Limits (%)* *Low*	*High*
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates			
2-Fluorobiphenyl	321-60-8	50	130
4-Terphenyl-d14	1718-51-0	50	130
EP-074_SR-S: VOC Surrogates			
Dibromofluoromethane	1868-53-7	86	118
Toluene-D8	2037-26-5	88	110
4-Bromofluorobenzene	460-00-4	86	115

TESTING RESULTS OF IEA SPOT-CHECK SAMPLES

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

HOKLAS 066 TEST

CERTIFICATE OF ANALYSIS

Client	: NATURE & TECHNOLOGIES (HK) LTD	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR GABRIEL LAM	Contact	: Fung Lim Chee, Richard	Work Order	: HK1412674
Address	: LOT 12, TAM KON SHAN ROAD, NORTH TSING YI, NEW TERRITORIES HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: glam@nt.com.hk	E-mail	: Richard.Fung@alsglobal.com		
Telephone	: +852 2877 3122	Telephone	: +852 2610 1044		
Facsimile	: +852 2511 0922	Facsimile	: +852 2610 2021		
Project	: YAU TONG BAY DEVELOPMENT	Quote number	: ----	Date Samples Received	: 23-APR-2014
Order number	: 3.14/018/2009			Issue Date	: 09-MAY-2014
C-O-C number	: ----			No. of samples received	: 1
Site	: ----			No. of samples analysed	: 1

General Comments

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. All pages of this report have been checked and approved for release. When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes. The completion date of analysis is: 02-MAY-2014

Key: LOR = Limit of reporting; CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

Specific comments for Work Order: **HK1412674**

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

Soil sample(s) analysed on an as received basis. Result(s) reported on a dry weight basis.

Hong Kong Accreditation Service (HKAS) has accedited this laboratory (ALS Technichem (HK) Pty Ltd) under Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this certificate were determined by this laboratory in accordance with its terms of accreditation.

This document has been electronically signed by those names that appear on this report and are the authorised signatories. Electronic signing has been carried out in compliance with procedures specified in the Electronic Transactions Ordinance of Hong Kong, Chapter 553, Section 6.

Signatories	*Position*	*Authorised results for*
Chan Ka Yu, Karen	**Assistant Manager - Organics**	**Organics**
Chan Siu Ming, Vico	**Manager - Inorganics**	**Inorganics**

Analytical Results

Sub-Matrix: **SOIL**

Compound	CAS Number	LOR	Unit	Client sample ID: BP6/T1/1/IEA				
				Client sampling date / time: [23-APR-2014]				
				HK1412674-001				
EA/ED: Physical and Aggregate Properties								
EA055: Moisture Content (dried @ 103°C)	----	0.1	%	**8.9**				
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate								
Bis(2-ethylhexyl)phthalate	117-81-7	5.00	mg/kg	<5.00				
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates								Surrogate control limits listed at end of this report.
2-Fluorobiphenyl	321-60-8	0.1	%	**85.0**				
4-Terphenyl-d14	1718-51-0	0.1	%	**97.2**				

Laboratory Duplicate (DUP) Report

Matrix: SOIL

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Laboratory Duplicate (DUP) Report				
				LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 3409731)								
HK1412456-001	Anonymous	**EA055: Moisture Content (dried @ 103°C)**	----	0.1	%	67.3	67.6	0.4
HK1412456-002	Anonymous	**EA055: Moisture Content (dried @ 103°C)**	----	0.1	%	68.5	68.6	0.2
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3403858)								
HK1411775-001	Anonymous	**Bis(2-ethylhexyl)phthalate**	117-81-7	1000	µg/kg	<1000	<1000	0.0

Method Blank (MB), Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report

Matrix: SOIL

Method: Compound	CAS Number	Method Blank (MB) Report			Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
					Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)	
		LOR	Unit	Result		LCS	DCS	Low	High	Value	Control Limit
EP-076B: Phenol, Hexachlorobenzene and Bis(2-ethylhexyl) Phthalate (QC Lot: 3403858)											
Bis(2-ethylhexyl)phthalate	117-81-7	25	µg/kg	---- <1000	25 µg/kg ----	95.3 ----	---- ----	73 ----	120 ----	---- ----	---- ----

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

- **No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.**

Surrogate Control Limits

Sub-Matrix: SOIL

Compound	CAS Number	Recovery Limits (%)	
		Low	High
EP-076S: Polycyclic Aromatics Hydrocarbons (PAHs) Surrogates			
2-Fluorobiphenyl	321-60-8	50	130
4-Terphenyl-d14	1718-51-0	50	130

APPENDIX L
TRIP TICKETS TO THE SENT LANDFILL

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 Producer's Copy
廢物產生者存根

WASTE DECLARATION: (廢物聲明) Import 入口 [ ] Export 出口 [ ] Part A 甲類 [ ] Part B 乙類 [✓]

Part A Waste Notification Reference No. (甲類化學廢物通知書編號)：

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
運載紀錄

Ticket Number (運載紀錄編號)： 1003892

A. WASTE PRODUCER (廢物產生者)

Full Name 全名	Kin Wing Construction Co., Ltd
Contact Person 聯絡人姓名	Mr. Wong
Address 地址	Yau Tong Bay Redevelopment Cha Kwo Ling Road & Ko Fai Rd Yau Tong
Capacity 職位	
Tel. No. 電話	2785-8152
Waste Producer Number 廢物產生者編號	5213-290-K2822-04

I certify in my best knowledge and belief that the information given in the Waste Declaration, A, D(I), and E(I) sections is correct and the waste described in D(I) has been properly labelled and consigned to the waste collector.

據本人所知及所信，在廢物聲明，A, D(I)及E(I)欄內填報的資料，全屬真實無訛，而D(I)欄開列的廢物是已作適當的標識及交付廢物收集者運，此證。

Signed 簽名： [signature] Co. Chop 公司印鑑： [stamp: Kin Wing Construction Company Limited]

Name 姓名： [signature] Date 日期： 14-5-2014 Time 時間： 14:00

B. WASTE COLLECTOR (廢物收集者) (*State the appropriate one 選擇適用者)

Company Name 公司名稱	Sun Base Environmental Services Limited
Operator 運載員姓名	CHEUNG Kwok Ling
Address 地址	Rm.15, 9/F., 33 Sheung Yee Rd. Kowloon Bay, Kln
Tel. No. 電話	2797-9812
Vehicle Registration or Vessel Licence No. * 車輛登記編號或船隻牌照編號	JZ 6811
Waste Collection Licence Number 廢物收集牌照編號	9210-280-S0032-WC
Intended Disposal Site 搬運往的處置設施	

I certify in my best knowledge and belief that I have checked and then collected the waste set out in D(I), and the information given in B, D(II), and E(II) is correct.

據本人所知及所信，本人經核對後已收集D(I)欄載列的廢物，而B,D(II)及E(II)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名： [signature] Co. Chop 公司印鑑： [stamp: Sun Base Environmental Services Ltd. 新基環保服務有限公司]

Name 姓名： 張國業 Date 日期： 14-5-2014 Time 時間： 14:00

C. RECEPTION POINT (廢物收集處)

Company Name 公司名稱	Green Valley Landfill, Ltd./SENT
Contact Person 聯絡人姓名	Alvin Lau
Address 地址	Wan Po Road Tai Chik Sha, Third Ind. Est., Tseung Kwan O, Kowloon.
Capacity 職位	Reception Point Manager
Tel. No. 電話	2706-8862
Waste Disposal Licence Number 廢物處置牌照編號	5296-839-G2228-DS

I(Reception Point Manager) certify that the waste set out in D(I) has been received by this reception point and the information given in C, D(III) and E(III) is correct.

本人(收集處經理)證實本收集處已接收在D(I)欄載列的廢物，而C,D(III)及E(III)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名： [signature] Co. Chop 公司印鑑： [stamp: Green Valley Landfill, Limited]

Name 姓名： [signature] Date 日期： 14/5/14 Time 時間： 14:32

D. WASTE DESCRIPTION (廢物資料) (* State the appropriate one 選擇適用者)

Item 廢物項目	(I) Waste Type/Chemical Name 廢物種類／化學名稱	Waste Identification 廢物鑑定: Waste Code 廢物代號	Waste Identification 廢物鑑定: Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	Physical Form* 廢物形態 (Solid 固體 / Liquid 液體 / Sludge 污泥 / Others 其他)	Containers 容器: No. 數目	Containers 容器: Type 種類	Containers 容器: Capacity 容量 (L or kg)* (升或公斤)	Quantity Notified 報稱的數量 (Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤)	(II) Quantity Collected 收集的數量 (L or kg)* (升或公斤)	(III) Quantity Received 接收的數量 (L or kg)* (升或公斤)
1.	Contaminated Mud with Lubrication Oil	S73			25	桶	200 kg 公斤	5000 kg 公斤		5000 kg 公斤
2.										
3.										
4.										

E. REMARKS (註釋) (Include any additional information necessary for safe handling of the waste.) (包括確保廢物安全處理的其他附加資料。)

(I) Waste Producer 廢物產生者：

(II) Waste Collector 廢物收集者：

(III) Reception Point 廢物收集處：

10971577
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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.

警告：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。

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 Producer's Copy
廢物產生者存根

WASTE DECLARATION (廢物聲明) Import 入口 [ ] Export 出口 [ ] Part A 甲類 [ ] Part B 乙類 [✓]

Part A Waste Notification Reference No. (甲類化學廢物通知書編號)：

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
運 載 紀 錄

Ticket Number (運載紀錄編號)：1003841

A. WASTE PRODUCER (廢物產生者)

Full Name 全名: Kin Wing Construction Co., Ltd
Contact Person 聯絡人姓名: Mr. Wong
Address 地址: Yau Tong Bay Redevelopment, Cha Kwo Ling Road & Ko Fai Rd, Yau Tong
Capacity 職位:
Tel. No. 電話: 2785-8152
Waste Producer Number 廢物產生者編號: 5213-290-K2822-04

I certify in my best knowledge and belief that the information given in the Waste Declaration, A, D(I), and E(I) sections is correct and the waste described in D(I) has been properly labelled and consigned to the waste collector.

據本人所知及所信，在廢物聲明，A, D(I)及E(I)欄內填報的資料，全屬真實無訛，而D(I)欄開列的廢物是已作適當的標識及委託廢物收集者運，此證。

Signed 簽名：[signature]
Co. Chop 公司印鑑：[stamp: Kin Wing Construction Company Limited 建榮 4]
Name 姓名：LEE KAM HUNG
Date 日期：22-5-14
Time 時間：14:30

B. WASTE COLLECTOR (廢物收集者)

(*State the appropriate one 選擇適用者)

Company Name 公司名稱: Sun Base Environmental Services Limited
Operator 運載員姓名: CHEUNG KUOK HUNG
Address 地址: Rm.15, 9/F., 33 Sheung Yee Rd, Kowloon Bay, Kln
Tel. No. 電話: 2797-9812
Vehicle Registration or Vessel Licence No. * 車輛登記編號或船隻牌照編號: JZ 6811
Waste Collection Licence Number 廢物收集牌照編號: 9210-280-S0032-WC
Intended Disposal Site 搬運往的處置設施:

I certify in my best knowledge and belief that I have checked and then collected the waste set out in D(I), and the information given in B, D(II), and E(II) is correct.

據本人所知及所信，本人經核對後已收集D(I)欄載列的廢物，而B,D(II)及E(II)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名：張國崇
Co. Chop 公司印鑑：[stamp: Sun Base Environmental Services Ltd. 新基環保服務有限公司]
Name 姓名：張國崇
Date 日期：22-5-14
Time 時間：14:30

C. RECEPTION POINT (廢物收集處)

Company Name 公司名稱: Green Valley Landfill, Ltd./SENT
Contact Person 聯絡人姓名: Alvin Lau
Address 地址: Wan Po Road, Tai Chik Sha, Third Ind. Est., Tseung Kwan O, Kowloon.
Capacity 職位: Reception Point Manager
Tel. No. 電話: 2706-8862
Waste Disposal Licence Number 廢物處置牌照編號: 5296-839-G2228-DS

I (Reception Point Manager) certify that the waste set out in D(I) has been received by this reception point and the information given in C, D(III) and E(III) is correct.

本人(收集處經理)證實本收集處已接收在D(I)欄載列的廢物，而C,D(III)及E(III)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名：[signature]
Co. Chop 公司印鑑：[stamp: Green Valley Landfill, Limited]
Name 姓名：[signature]
Date 日期：22/5/14
Time 時間：15:40

D. WASTE DESCRIPTION (廢物資料)

(* State the appropriate one 選擇適用者)

Item 廢物項目	(I) Waste Type/Chemical Name 廢物種類／化學名稱	Waste Code 廢物代號	Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	Physical Form* 廢物形態 (Solid 固體 / Liquid 液體 / Sludge 污泥 / Others 其他)	Containers No. 數目	Containers Type 種類	Containers Capacity 容量 (L or kg)* (升或公斤)	Quantity Notified 報稱的數量 (Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤)	(II) Quantity Collected 收集的數量 (L or kg)* (升或公斤)	(III) Quantity Received 接收的數量 (L or kg)* (升或公斤)
1.	Contaminated Mud with Lubrication Oil	S73			475	代袋	20 L ✓	9500 L ✓		9500 L ✓
2.										
3.										
4.										

E. REMARKS (註釋) (Include any additional information necessary for safe handling of the waste.)
(包括確保廢物安全處理的其他附加資料。)

(I) Waste Producer 廢物產生者：

(II) Waste Collector 廢物收集者：

(III) Reception Point 廢物收集處：

10 P) 866 r 9.8 9 2B

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.

警　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。

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 Producer's Copy
廢物產生者存根

WASTE DECLARATION: (廢物聲明) Import 入口 ☐ Export 出口 ☐ Part A 甲類 ☐ Part B 乙類 ☑

Part A Waste Notification Reference No. 甲類化學廢物通知書編號：

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
運載紀錄

Ticket Number (運載紀錄編號)： 1003842

A. WASTE PRODUCER (廢物產生者)

Full Name 全名	Kin Wing Construction Co., Ltd	Contact Person 聯絡人姓名	Mr. Wong
Address 地址	Yau Tong Bay Redevelopment Cha Kwo Ling Road & Ko Fai Rd Yau Tong	Capacity 職位	
		Tel. No. 電話	2785-8152
Waste Producer Number 廢物產生者編號	5213-290-K2822-04		

I certify in my best knowledge and belief that the information given in the Waste Declaration, A, D(I), and E(I) sections is correct and the waste described in D(I) has been properly labelled and consigned to the waste collector at B.

據本人所知及所信，在廢物聲明，A, D(I)及E(I)欄內填報的資料，全屬真實無訛，而D(I)欄開列的廢物是已作適當的標籤及委託B欄的廢物收集者付運，此證。

Signed 簽名： [signature] Co. Chop 公司印鑒： [stamp: Kin Wing Construction ... Limited 建 4]

Name 姓名： Wong [illegible] Date 日期： 21 [illegible] Time 時間： [illegible]

B. WASTE COLLECTOR (廢物收集者)

(*State the appropriate one 選擇適用者)

Company Name 公司名稱	Sun Base Environmental Services Limited	Operator 運載員姓名	CHEUNG KWOK [illegible]
Address 地址	Rm.15, 9/F., 33 Sheung Yee Rd. Kowloon Bay, Kln	Tel. No. 電話	2797-9812
		Vehicle Registration or Vessel Licence No. * 車輛登記編號或船隻牌照編號	[illegible]
Waste Collection Licence Number 廢物收集牌照編號	9210-280-S0032-WC		
Intended Disposal Site 搬運往的處置設施			

I certify in my best knowledge and belief that I have checked and then collected the waste set out in D(I), and the information given in B, D(II), and E(II) is correct.

據本人所知及所信，本人經核對後已收集D(I)欄載列的廢物，而B,D(II)及E(II)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名： [signature] Co. Chop 公司印鑒： [stamp: Sun Base Environmental Services Ltd. 新基環保服務有限公司]

Name 姓名： [illegible] Date 日期： 21 [illegible] Time 時間： [illegible]

C. RECEPTION POINT (廢物收集處)

Company Name 公司名稱	Green Valley Landfill, Ltd./SENT	Contact Person 聯絡人姓名	Alvin Lau
Address 地址	Wan Po Road Tai Chik Sha, Third Ind. Est., Tseung Kwan O, Kowloon.	Capacity 職位	Reception Point Manager
		Tel. No. 電話	2706-8862
Waste Disposal Licence Number 廢物處置牌照編號	5296-839-G2228-DS		

I(Reception Point Manager) certify that the waste set out in D(I) has been received by this reception point and the information given in C, D(III) and E(III) is correct.

本人(收集處經理)證實本收集處已接收在D(I)欄載列的廢物，而C,D(III)及E(III)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名： [signature] Co. Chop 公司印鑒： [stamp: Green Valley Landfill Limited]

Name 姓名： [illegible] Date 日期： 24 JAN Time 時間： 1017

D. WASTE DESCRIPTION (廢物資料)

(* State the appropriate one 選擇適用者)

Item 廢物項目	(I) Waste Type/Chemical Name 廢物種類／化學名稱	Waste Identification 廢物鑑定: Waste Code 廢物代號	Waste Identification 廢物鑑定: Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	Physical Form* 廢物形態 (Solid 固體 / Liquid 液體 / Sludge 污泥 / Others 其他)	Containers 容器: No. 數目	Containers 容器: Type 種類	Containers 容器: Capacity 容量 (L or kg)* (升或公斤)	Quantity Notified 報稱的數量 (Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤)	(II) Quantity Collected 收集的數量 (L or kg)* (升或公斤)	(III) Quantity Received 接收的數量 (L or kg)* (升或公斤)
1.	Contaminated Mud with Lubrication Oil	S73			400	太	20 L 升 / kg 公斤	8000 L 升 / kg 公斤	L 升 / kg 公斤	8000 L 升 / kg 公斤
2.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤
3.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤
4.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤

E. REMARKS (註釋)

(Include any additional information necessary for safe handling of the waste.)
(包括確保廢物安全處理的其他附加資料。)

(I) Waste Producer 廢物產生者：

(II) Waste Collector 廢物收集者：

(III) Reception Point 廢物收集處：

10/8/0128

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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.

警　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。

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 Producer's Copy
廢物產生者存根

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

Part A Waste Notification Reference No. (甲類化學廢物通知書編號): _____

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
運 載 紀 錄

Ticket Number (運載紀錄編號): 1003843

A. WASTE PRODUCER (廢物產生者)

Full Name 全名: Kin Wing Construction Co., Ltd	Contact Person 聯絡人姓名: Mr. Wong
Address 地址: Yau Tong Bay Redevelopment, Cha Kwo Ling Road & Ko Fai Rd, Yau Tong	Capacity 職位:
	Tel. No. 電話: 2785-8152
Waste Producer Number 廢物產生者編號: 5213-290-K2822-04	

I certify in my best knowledge and belief that the information given in the Waste Declaration, A, D(I), and E(I) sections is correct and the waste described in D(I) has been properly labelled and consigned to the waste collector.
據本人所知及所信，在廢物聲明，A, D(I)及E(I)欄內填報的資料，全屬真實無訛，而D(I)欄開列的廢物是已作適當的標識及已交給收集廢物者運送。此證。

Signed 簽名: _____ Co. Chop 公司印鑑: _____
Name 姓名: _____ Date 日期: 27.5.14 Time 時間: 11:00

B. WASTE COLLECTOR (廢物收集者) (*State the appropriate one 選擇適用者)

Company Name 公司名稱: Sun Base Environmental Services Limited	Operator 運載員姓名: CHEUNG KWOK WING
Address 地址: Rm.15, 9/F., 33 Sheung Yee Rd. Kowloon Bay, Kln	Tel. No. 電話: 2797-9812
	Vehicle Registration or Vessel Licence No. * 車輛登記編號或船隻牌照編號: EZ 6811
Waste Collection Licence Number 廢物收集牌照編號: 9210-280-S0032-WC	
Intended Disposal Site 搬運往的處置設施:	

I certify in my best knowledge and belief that I have checked and then collected the waste set out in D(I), and the information given in B, D(II), and E(II) is correct.
據本人所知及所信，本人經核對後已收集D(I)欄載列的廢物，而B,D(II)及E(II)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名: _____ Co. Chop 公司印鑑: _____
Name 姓名: _____ Date 日期: 27.5.14 Time 時間: 15:00

C. RECEPTION POINT (廢物收集處)

Company Name 公司名稱: Green Valley Landfill, Ltd./SENT	Contact Person 聯絡人姓名: Alvin Lau
Address 地址: Wan Po Road, Tai Chik Sha, Third Ind. Est., Tseung Kwan O, Kowloon.	Capacity 職位: Reception Point Manager
	Tel. No. 電話: 2706-8862
Waste Disposal Licence Number 廢物處置牌照編號: 5296-839-G2228-DS	

I(Reception Point Manager) certify that the waste set out in D(I) has been received by this reception point and the information given in C, D(III) and E(III) is correct.
本人(收集處經理)證實本收集處已接收在D(I)欄載列的廢物，而C,D(III)及E(III)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名: _____ Co. Chop 公司印鑑: _____
Name 姓名: Alvin Lau Date 日期: 27/5/14 Time 時間: 15:41

D. WASTE DESCRIPTION (廢物資料)

(* State the appropriate one 選擇適用者)

Item 廢物項目	(I) Waste Type/Chemical Name 廢物種類／化學名稱	Waste Identification 廢物鑑定: Waste Code 廢物代號	Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	Physical Form* 廢物形態: Solid 固體 / Liquid 液體 / Sludge 污泥 / Others 其他	Containers 容器: No. 數目	Type 種類	Capacity 容量 (L or kg)* (升或公斤)	Quantity Notified 報稱的數量 (Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤)	(II) Quantity Collected 收集的數量 (L or kg)* (升或公斤)	(III) Quantity Received 接收的數量 (L or kg)* (升或公斤)
1.	Contaminated Mud with Lubrication Oil	S73			450	代	20 kg 公斤	9000 kg 公斤		9000 kg 公斤
2.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤
3.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤
4.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤

E. REMARKS (註釋) (Include any additional information necessary for safe handling of the waste.) (包括確保廢物安全處理的其他附加資料。)

8.55t 1090045

(I) Waste Producer 廢物產生者:

(II) Waste Collector 廢物收集者:

(III) Reception Point 廢物收集處:

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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.

警 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。

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 Producer's Copy
廢物產生者存根

WASTE DECLARATION: (廢物聲明) Import 入口[ ] Export 出口[ ] Part A 甲類[ ] Part B 乙類[✓]

Part A Waste Notification Reference No. (甲類化學廢物通知書編號)：

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
運載紀錄

Ticket Number (運載紀錄編號)： 1003844

A. WASTE PRODUCER (廢物產生者)

Full Name 全名: Kin Wing Construction Co., Ltd
Contact Person 聯絡人姓名: Mr. Wong
Address 地址: Yau Tong Bay Redevelopment, Cha Kwo Ling Road & Ko Fai Rd, Yau Tong
Capacity 職位:
Tel. No. 電話: 2785-8152
Waste Producer Number 廢物產生者編號: 5213-290-K2822-04

I certify in my best knowledge and belief that the information given in the Waste Declaration, A, D(I), and E(I) sections is correct and the waste described in D(I) has been properly labelled and consigned to the waste collector.

據本人所知及所信，在廢物聲明，A, D(I)及E(I)欄內填報的資料，全屬真實無訛，而D(I)欄開列的廢物是已作適當的標籤及交予B欄的廢物收集商運，此證。

Signed 簽名： [signature] Co. Chop 公司印鑑： [stamp: Kin Wing Construction Company Limited 建榮]
Name 姓名： Date 日期： 29-5-14 Time 時間： 14:30

B. WASTE COLLECTOR (廢物收集者) (*State the appropriate one 選擇適用者)

Company Name 公司名稱: Sun Base Environmental Services Limited
Operator 運載員姓名: CHEUNG Kwok Wing
Address 地址: Rm.15, 9/F., 33 Sheung Yee Rd. Kowloon Bay, Kln
Tel. No. 電話: 2797-9812
Vehicle Registration or Vessel Licence No. * 車輛登記編號或船隻牌照編號: JZ 6841
Waste Collection Licence Number 廢物收集牌照編號: 9210-280-S0032-WC
Intended Disposal Site 搬運往的處置設施:

I certify in my best knowledge and belief that I have checked and then collected the waste set out in D(I), and the information given in B, D(II), and E(II) is correct.

據本人所知及所信，本人經核對後已收集D(I)欄載列的廢物，而B,D(II)及E(II)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名： [signature] Co. Chop 公司印鑑： [stamp: Sun Base Environmental Services Ltd. 新基環保服務有限公司]
Name 姓名： Date 日期： 29-5-14 Time 時間： 14:30

C. RECEPTION POINT (廢物收集處)

Company Name 公司名稱: Green Valley Landfill, Ltd./SENT
Contact Person 聯絡人姓名: Alvin Lau
Address 地址: Wan Po Road, Tai Chik Sha, Third Ind. Est., Tseung Kwan O, Kowloon.
Capacity 職位: Reception Point Manager
Tel. No. 電話: 2706-8862
Waste Disposal Licence Number 廢物處置牌照編號: 5296-839-G2228-DS

I(Reception Point Manager) certify that the waste set out in D(I) has been received by this reception point and the information given in C, D(III) and E(III) is correct.

本人(收集處經理)證實本收集處已接收在D(I)欄載列的廢物，而C,D(III)及E(III)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名： [signature] Co. Chop 公司印鑑：
Name 姓名： ALVEN WONG YAN Date 日期： 29/5/14 Time 時間： 15:15

D. WASTE DESCRIPTION (廢物資料) (* State the appropriate one 選擇適用者)

Item 廢物項目	(I) Waste Type/Chemical Name 廢物種類／化學名稱	Waste Identification 廢物鑑定: Waste Code 廢物代號	Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	Physical Form* 廢物形態: Solid 固體 / Liquid 液體 / Sludge 污泥 / Others 其他	Containers 容器: No. 數目	Type 種類	Capacity 容量 (L or kg)* (升或公斤)	Quantity Notified 報稱的數量 (Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤)	(II) Quantity Collected 收集的數量 (L or kg)* (升或公斤)	(III) Quantity Received 接收的數量 (L or kg)* (升或公斤)
1.	Contaminated Mud with Lubrication Oil	S73			350	代袋	20 kg 公斤	7000 kg 公斤	kg 公斤	7000 kg 公斤
2.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤
3.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤
4.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤

E. REMARKS (註釋) (Include any additional information necessary for safe handling of the waste.) (包括確保廢物安全處理的其他附加資料。)

(I) Waste Producer 廢物產生者：

(II) Waste Collector 廢物收集者：

(III) Reception Point 廢物收集處：

1098455
NW:48
Yc 2B

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.

警 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。

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 Producer's Copy 廢物產生者存根

WASTE DECLARATION: (廢物聲明) Import 入口 ☐ Export 出口 ☐ Part A 甲類 ☐ Part B 乙類 ☑

Part A Waste Notification Reference No. 甲類化學廢物通知書編號)：

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 運載紀錄

Ticket Number (運載紀錄編號)：1003845

A. WASTE PRODUCER (廢物產生者)

Full Name 全名: Kin Wing Construction Co., Ltd
Contact Person 聯絡人姓名: Mr. Wong
Address 地址: Yau Tong Bay Redevelopment, Cha Kwo Ling Road & Ko Fai Rd, Yau Tong
Capacity 職位:
Tel. No. 電話: 2785-8152
Waste Producer Number 廢物產生者編號: 5213-290-K2822-04

I certify in my best knowledge and belief that the information given in the Waste Declaration, A, D(I), and E(I) sections is correct and the waste described in D(I) has been properly labelled and consigned to the waste collector at B.

據本人所知及所信，在廢物聲明，A, D(I)及E(I)欄內填報的資料，全屬真實無訛，而D(I)欄開列的廢物是已作適當的標識及交付予B欄的廢物收集者運，此證。

Signed 簽名： [signature] Co. Chop 公司印鑑： [stamp: Kin Wing Construction Company Limited 建業]
Name 姓名： Wong W.H. Date 日期： 31-5-14 Time 時間： 10:00

B. WASTE COLLECTOR (廢物收集者) (*State the appropriate one 選擇適用者)

Company Name 公司名稱: Sun Base Environmental Services Limited
Operator 運載員姓名: CHEUNG KUCK WING
Address 地址: Rm.15, 9/F., 33 Sheung Yee Rd. Kowloon Bay, Kln
Tel. No. 電話: 2797-9812
Vehicle Registration or Vessel Licence No. * 車輛登記編號或船隻牌照編號: FB 9158
Waste Collection Licence Number 廢物收集牌照編號: 9210-280-S0032-WC
Intended Disposal Site 搬運往的處置設施:

I certify in my best knowledge and belief that I have checked and then collected the waste set out in D(I), and the information given in B, D(II), and E(II) is correct.

據本人所知及所信，本人經核對後已收集D(I)欄載列的廢物，而B,D(II)及E(II)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名： [signature] Co. Chop 公司印鑑： [stamp: Sun Base Environmental Services Ltd. 新基環保服務有限公司]
Name 姓名： 張國榮 Date 日期： 31-5-14 Time 時間： 10:00

C. RECEPTION POINT (廢物收集處)

Company Name 公司名稱: Green Valley Landfill, Ltd./SENT
Contact Person 聯絡人姓名: Alvin Lau
Address 地址: Wan Po Road, Tai Chik Sha, Third Ind. Est., Tseung Kwan O, Kowloon.
Capacity 職位: Reception Point Manager
Tel. No. 電話: 2706-8862
Waste Disposal Licence Number 廢物處置牌照編號: 5296-839-G2228-DS

I(Reception Point Manager) certify that the waste set out in D(I) has been received by this reception point and the information given in C, D(III) and E(III) is correct.

本人(收集處經理)證實本收集處已接收在D(I)欄載列的廢物，而C,D(III)及E(III)欄內填報的資料，全屬真實無訛，此證。

Signed 簽名： [signature] Co. Chop 公司印鑑： [stamp: Green Valley Landfill Limited]
Name 姓名： ALVIN LAU Date 日期： 31/5/14 Time 時間： 10:41

D. WASTE DESCRIPTION (廢物資料) (* State the appropriate one 選擇適用者)

Item 廢物項目	(I) Waste Type/Chemical Name 廢物種類／化學名稱	Waste Code 廢物代號	Dangerous Goods (Category) 危險物品(類別) (If applicable) (如適用者)	Physical Form* 廢物形態 (Solid 固體 / Liquid 液體 / Sludge 污泥 / Others 其他)	Containers 容器 No. 數目	Type 種類	Capacity 容量 (L or kg)* (升或公斤)	Quantity Notified 報稱的數量 (Part A Waste only) (只適用於甲類化學廢物) (L or kg)* (升或公斤)	(II) Quantity Collected 收集的數量 (L or kg)* (升或公斤)	(III) Quantity Received 接收的數量 (L or kg)* (升或公斤)
1.	Contaminated Mud with Lubrication Oil	S73			450	袋	20 kg 公斤	9000 kg 公斤	kg 公斤	9000 kg 公斤
2.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤
3.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤
4.							L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤	L 升 / kg 公斤

E. REMARKS (註釋) (Include any additional information necessary for safe handling of the waste.) (包括確保廢物安全處理的其他附加資料。)

10986631 N.W 7.20

(I) Waste Producer 廢物產生者：
(II) Waste Collector 廢物收集者：
(III) Reception Point 廢物收集處：

2B

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.

警 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。