

KIN WING CONSTRUCTION CO., LTD.

Remediation Report
for
Ex-GFS Building

Contract No. : KL/2008/02

Rev. No. : 1

Effective Date : 05 May 2010

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1.0 Introduction

In accordance with EP Condition 2.24 (EP-339/2009A) this remediation report will cover (1) Types and volume of contaminated soil excavated and treated, (2) Free-product recovered, (3) Analytical results for closure assessment, (4) Backfilling location for treated soil and (5) QA/QC sampling.

2.0 Quantity of Different Type of Contaminated Soil

A total of 8 contamination zones (A to H) were identified in the relevant remediation action plan. The extent of individual contamination zone was stipulated in the EIA report under Agreement No. CE35/2006(CE) and ascertained on site by sidewall and base samples. The actual soil volumes by different soil contaminant types are (1) metals only: 244m³ and (2) TPH/VOCs/SVOC only: 72m³.

The location plans and the extent of contaminated zones are enclosed in Appendix A and excavation volume for contaminated soil is summarized in Table 1 as below:

Table 1.0 Summary of Excavation Quantities of Contaminated Soil

Zone No.	Actual Quantities of Contaminated Soil		Remediation Method
	Volume (m ³)		
A	36		Biopiling
B	36		Cement Solidification
C	36		Cement Solidification
D	36		Biopiling
E	64		Cement Solidification
F	36		Cement Solidification
G	36		Cement Solidification
H	36		Cement Solidification
	TOTAL	316	

The excavated contaminated soil was taken to biopiling and cement solidification (CS) plant for treatment in accordance with the approved remediation method statement.

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3.0 Recovery of free product of Total Petroleum Hydrocarbon (TPH) from the Contaminated groundwater

No floating free product was observed during soil excavation in Zone A-H and therefore, no groundwater sample was collected in all contamination zones.

4.0 Cement Solidification / Stabilization Treatment of Metals Contaminant

The cement solidification treatment work was commenced on 17 Nov 09 and completed on 15 Jan 10. All confirmation soil samples were tested and analysed by an HOKLAS accredited laboratory. Total 244m³ of the contaminated soil with heavy metal was treated and confirmatory testing had been undertaken for the solidified material. The results complied with the cleanup targets as stipulated in the Environmental Permit. The solidified soil was used as backfilling material in ex-GFS building at a depth of not less than 1m above the groundwater level and covered by 1m of clean fill in accordance with EP Condition 2.19. The drawings showing the location and extent of final on-site backfill location for treated soil are enclosed in Appendix B. The Concerned Cleanup Target for Metals Contaminant are summarized in Table 2.0.

Table 2.0 Concerned Cleanup Target for Metals Contaminant

Metals Contaminant	Actual Level (mg/kg)
Zinc	500
Cadmium	5
Lead	150
Copper	100
Nickel	100
Cobalt	50

The analytical results of TCLP tests and unconfined compression tests are enclosed in Appendix C and the summary of the testing results for TCLP and unconfined compression tests in summarized in Table 3.0.

Table 3.0 Summary of Testing Results for TCLP and Unconfined Compression Tests

Sample ID	Metals Contaminant	Result	
		TCLP (mg/L)	UCS (MPa)
B11-17-11-09(GFSA-22)	Copper	0.1	1
B12-19-11-09(GFSD-04)	Arsenic	<1	4
	Copper	<1	
	Lead	<1	
B13-19-11-09(GFSA-17)	Arsenic	<1	3.5
	Copper	<1	
	Lead	<1	
B14-19-11-09(GFSA-20)	Arsenic	<1	1.5
	Copper	<1	
	Lead	<1	

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B15-23-11-09	Lead	<0.1	4.5
B16-14-01-10	Cadmium	<0.02	10.5
	Lead	<0.1	
	Zinc	<0.1	
B17-15-01-10(GFSD-03)	Cadmium	<0.02	8.5
	Cobalt	<0.1	
	Nickel	<0.1	

5.0 Confirmatory Sampling at Contamination Zone

5.1 Confirmatory Sampling Requirement

Following excavation of contaminated soil, confirmatory soil samples were taken from the sidewalls and base of each excavation. One confirmation sample was collected from sidewalls of the excavation with a lateral spacing of not more than 15m. One confirmation sample was collected from the bottom of excavation pits on grid spacing not larger than 15m x 15m (i.e. one sample per every 225m²). All confirmation soil samples were tested and analysed by an HOKLAS accredited laboratory.

5.2 Sidewall Samples

A total of 32 nos. of sidewall samples was taken for soil confirmatory testing. 4 nos. of sidewall samples were collection in each excavation zones (A-H).

5.3 Base Samples

A total of 8 nos. of base samples was taken for soil confirmatory testing. 1 no. of base sample was collection in each excavation zone (A-H).

The analytical results for confirmatory tests are enclosed in Appendix D and the summary of the testing results for confirmatory tests is summarized in Table 4.0.

Table 4.0 Summary of Testing Results for Confirmatory Tests

Zone No.	Excavation Depth (m)	Sample ID	Result		Exceedance
			Parameter	Value	
A	0.25	A1-A2/BBC0.25M/23-06-09	Phenanthrene, mg/kg	<0.5	No
			Fluoranthene, mg/kg	<0.5	
			Pyrene, mg/kg	<0.5	
			Benzo(a)pyrene, mg/kg	<0.5	
	0.25	A2-A3/BBC0.25M/23-06-09	Phenanthrene, mg/kg	<0.5	No
			Fluoranthene, mg/kg	<0.5	
			Pyrene, mg/kg	<0.5	
			Benzo(a)pyrene, mg/kg	<0.5	
	0.25	A3-A4/BBC0.25M/23-06-09	Phenanthrene, mg/kg	<0.5	No
			Fluoranthene, mg/kg	<0.5	
			Pyrene, mg/kg	<0.5	
			Benzo(a)pyrene, mg/kg	<0.5	
	0.25	A4-A1/BBC0.25M/23-06-09	Phenanthrene, mg/kg	<0.5	No
			Fluoranthene, mg/kg	<0.5	
			Pyrene, mg/kg	<0.5	
			Benzo(a)pyrene, mg/kg	<0.5	
1.5	GFSA-18/BOTTOM/1.5M/BBC/26-11-09	Phenanthrene, mg/kg	<0.5	No	
		Fluoranthene, mg/kg	<0.5		
		Pyrene, mg/kg	<0.5		
		Benzo(a)pyrene, mg/kg	<0.5		
B	1.0	B1-B2/BBC1.0M/04-06-09	Zinc, mg/kg	49	No
		B2-B3/BBC1.0M/04-06-09		80	
		B3-B4/BBC1.0M/04-06-09		52	
		B4-B1/BBC1.0M/04-06-09		54	

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C	1.5	(GFSA-20)/BOTTOM/1.5M/BBC/20-11-09		134	
	1.0	GFSD-03/C1-C2/1.0M/04-01-10	Cadmium, mg/kg	<0.2	No
			Lead, mg/kg	41	
			Zinc, mg/kg	26	
	1.0	GFSD-03/C2-C3/1.0M/04-01-10	Cadmium, mg/kg	<0.2	No
			Lead, mg/kg	100	
			Zinc, mg/kg	66	
	1.0	GFSD-03/C3-C4(R1)/1.0M/14-01-10	Cadmium, mg/kg	0.3	No
			Lead, mg/kg	65	
			Zinc, mg/kg	111	
	1.0	GFSD-03/C4-C1/1.0M/04-01-10	Cadmium, mg/kg	0.4	No
			Lead, mg/kg	49	
			Zinc, mg/kg	68	
	1.5	GFSD-03/BOTTOM/1.5M/14-01-10	Cadmium, mg/kg	<0.2	No
			Lead, mg/kg	58	
Zinc, mg/kg			76		
D	1.65	D1-D2/BBC1.65M/29-07-09	TPH (C6-C9), mg/kg	<2	No
			TPH (C10-C14), mg/kg	<50	
			TPH (C15-C28), mg/kg	<100	
			TPH (C29-C36), mg/kg	<100	
	1.65	D2-D3/BBC1.65M/29-07-09	TPH (C6-C9), mg/kg	<2	No
			TPH (C10-C14), mg/kg	<50	
			TPH (C15-C28), mg/kg	<100	
			TPH (C29-C36), mg/kg	<100	
	1.65	D3-D4/BBC1.65M/29-07-09	TPH (C6-C9), mg/kg	<2	No
			TPH (C10-C14), mg/kg	<50	
			TPH (C15-C28), mg/kg	<100	
			TPH (C29-C36), mg/kg	<100	
	1.65	D4-D1/BBC1.65M/29-07-09	TPH (C6-C9), mg/kg	<2	No
			TPH (C10-C14), mg/kg	<50	
			TPH (C15-C28), mg/kg	110	
TPH (C29-C36), mg/kg			<100		
2.15	GFSB-01/BOTTOM/2.15M/BBC/26-11-09	TPH (C6-C9), mg/kg	<2	No	
		TPH (C10-C14), mg/kg	<50		
		TPH (C15-C28), mg/kg	180		
		TPH (C29-C36), mg/kg	140		
E	2.15	E1-E2(R1)O/S1.0M/BBC2.15M/25-06-09	Cadium, mg/kg	<0.2	No
			Lead, mg/kg	95	
	2.95	E2-E3/BBC2.95M/08-06-09	Cadium, mg/kg	1.8	No
			Lead, mg/kg	88	
	2.15	E3-E4(R1)O/S1.0M/BBC2.15M/25-06-09	Cadium, mg/kg	<0.2	No
			Lead, mg/kg	138	
	2.35	E4-E1(R1)O/S2.0M/BBC2.35M/25-06-09	Cadium, mg/kg	<0.2	No
			Lead, mg/kg	52	
	4.2	GFSD-04/BOTTOM/4.2M/BBC/03-12-09	Cadium, mg/kg	<0.2	No
			Lead, mg/kg	65	
F	2.25	F1-F2/BBC2.25M/15-06-09		69	No
			F2-F3/BBC2.25M/15-06-09	91	
			F3-F4/BBC2.25M/15-06-09	90	
			F4-F1/BBC2.25M/15-06-09	114	
	4.2	(GFSA-17)/BOTTOM/4.2M/BBC/20-11-09		72	
G	2.65	G1-G2/BBC2.65M/29-05-09		1	No
			G2-G3/BBC2.65M/29-05-09	2	
			G3-G4/BBC2.65M/29-05-09	2	
			G4-G1/BBC2.65M/29-05-09	1	
	4.2	(GFSA-22)/BOTTOM/4.2M/BBC/20-11-09		31	
H	3.5	GFSD-03/H1-H2/3.50M/18-01-10	Cadmium, mg/kg	<0.2	No
			Cobalt, mg/kg	2.1	
			Nickel, mg/kg	<1	
	3.5	GFSD-03/H2-H3/3.50M/18-01-10	Cadmium, mg/kg	<0.2	No
			Cobalt, mg/kg	2.3	
			Nickel, mg/kg	<1	
	3.5	GFSD-03/H3-H4/3.50M18-01-10	Cadmium, mg/kg	<0.2	No
			Cobalt, mg/kg	2.8	
			Nickel, mg/kg	<1	

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3.5	GFSD-03/H4-H1/3.50M/18-01-10	Cadmium, mg/kg	<0.2	No
		Cobalt, mg/kg	3.1	
		Nickel, mg/kg	1	
4.25	GFSD-03/BOTTOM/4.25M/18-01-10	Cadmium, mg/kg	<0.2	No
		Cobalt, mg/kg	4.8	
		Nickel, mg/kg	<1	

6.0 Closure Assessment for Biopiling

Totally 2 nos. of soil samples for closure assessment were collected. Confirmation samples were collected with a sampling frequency of one sample per 100m³ of treated soil. The concerned cleanup targets for Biopiling are summarized in Table 5.0 and the full laboratory results of the closure assessment for the soil samples are presented in Appendix E.

The treated soils from Biopiling will be temporarily stockpiled in the designated Area 5 and will be used as backfilling material in future Kai Tak Development Projects. The treated soil was hydroseeded to prevent fugitive dust and the bunds and sump pits will be maintained to prevent soil wash out as the environmental mitigation measures. A location plan showing the temporary stockpile area for treated soils is enclosed in Appendix H.

Table 5.0 Analytical Results and Concerned Cleanup Target for Closure Assessment

Sample I.D.	Testing Parameters	Cleanup Target (mg/kg)	Results (mg/kg)	Exceedance
GFSA-18/GFSB-01/FC1/0.5M/11-12-09	TPH	1000	252	No
	Phenanthrene	10	<0.5	No
	Fluoranthene	10	<0.5	No
	Benzo(a)pyrene	1	<0.5	No
	Pyrene	10	<0.5	No
GFSA-18/GFSB-01/FC2/0.5M/11-12-09	TPH	1000	252	No
	Phenanthrene	10	<0.5	No
	Fluoranthene	10	<0.5	No
	Benzo(a)pyrene	1	<0.5	No
	Pyrene	10	<0.5	No

7.0 QA/QC Sampling for Closure Assessment

7.1 Verification and Sampling Testing by ET

1 per 10 soil samples of the parallel samples for spot checking on the closure assessment sampling and testing was collected by ET. All confirmation soil samples were tested and analysed by an HOKLAS accredited laboratory. Only 1 no. of the parallel samples was tested during the closure assessment. The analytical results indicated that the parallel soil sample collection by ET was in line with the original soil samples for closure assessment and the laboratory results of the parallel sample taken by ET are enclosed in Appendix F and the summary table is provided in Table 6.0.

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Table 6.0 Summary of Parallel Samples

Lab No.	Sample ID	Result		Exceedance
		Parameter	Value	
9915A	GFSA-18/GFSB-01/FC20/5a/12-12-09	Phenanthrene, ug/kg	<55	No
		Fluoranthene, ug/kg	<55	No
		Benzo(a)pyrene, ug/kg	<55	No
		Pyrene, ug/kg	<55	No
		TPH (C6-C9), mg/kg	<50	No
		TPH (C10-C14), mg/kg	<50	
		TPH (C15-C28), mg/kg	<50	
		TPH (C29-C36), mg/kg	<50	

7.2 Field and Equipment Blanks

The QA/QC process is to ensure that the levels of contamination measured in the environmental samples reflect the actual environmental levels and are not due to accidental contamination of the sample or sample container. Two sets of field blank and equipment blank were collected during the course of closure sampling.

The analytical results of QA/QC Sampling for Closure Assessment showed that concentration of all tested parameters were below the respective detection limits, indicating the acceptable quality control / quality assurance procedures were achieved. The analytical results of QA/QC samples are enclosed in Appendix G and a summary table of QA/QC samples with the respective detection limits is provided in Table 7.0.

Table 7.0 Summary of QA/QC Samples

Zone No.	Sample I.D.	Testing Parameters	Detection Limit (ug/L)	Results (ug/L)
C	Equipment/Area "C"/GFSD-03/1.0M/C4-C1/04-01-10	Cadmium	0.2	<0.2
		Lead	1	<1
		Zinc	10	<10
	Field/Area "C"/GFSD-03/04-01-10	Cadmium	0.2	<0.2
		Lead	1	<1
		Zinc	10	<10
	Equipment/Area C GFSD-03/Bottom/1.5M/14-01-10	Cadmium	0.2	<0.2
		Lead	1	<1
		Zinc	10	<10
	Field/Area C GFSD-03/Bottom/1.5M/14-01-10	Cadmium	0.2	<0.2
		Lead	1	<1
		Zinc	10	<10
D	Equipment D3-D4/29-07-09	TPH (C6-C9),	20	<20
		TPH (C10-C14)	50	<50
		TPH (C15-C28),	100	<100
		TPH (C29-C36)	50	<50
	Field D1-D2/29-07-09	TPH (C6-C9),	20	<20
		TPH (C10-C14)	50	<50
		TPH (C15-C28),	100	<100
		TPH (C29-C36)	50	<50
	Equipment/Area D GFSB-01/Bottom/2.15M/BBC/26-11-09	TPH (C6-C9),	20	<20
		TPH (C10-C14)	50	<50
		TPH (C15-C28),	100	<100
		TPH (C29-C36)	50	<50
Field/Area D GFSB-01/26-11-09	TPH (C6-C9),	20	<20	
	TPH (C10-C14)	50	<50	
	TPH (C15-C28),	100	<100	
	TPH (C29-C36)	50	<50	
E	E1-E2 Equipment/25-06-09	Cadmium	0.2	<0.2
		Lead	1	1
	E-Zone Field/25-06-09	Cadmium	0.2	<0.2
		Lead	1	<1
Equipment/Area E/GFSD-04/Bottom/4.2M/BBC/03-12-09	Cadmium	0.2	<0.2	

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		Lead	1	1
	Field/Area E/GFSD-04/03-12-09	Cadmium	0.2	<0.2
		Lead	1	<1
	Equipment/Area E (GFSD-04)/Bottom/2.2M/BBC/20-11-09	Cadmium	0.2	<0.2
		Lead	1	<1
	Field GFSA-17-20-11-09	Lead	1	<1
H	Equipment/Area H GFSD-03/Bottom/4.25M/18-01-10	Cadmium	0.2	<0.2
		Cobalt	1	<1
		Nickel	1	<1
	Field/Area H GFSD-03/18-01-10	Cadmium	0.2	<0.2
		Cobalt	1	<1
		Nickel	1	<1

8.0 Conclusion

As the laboratory analysis indicated that all soil samples were below the cleanup targets, it is concluded that all organic contaminated soils have been removed and successfully treated by the biopiling.

No exceedance in the TCLP criteria was recorded in all solidified soil, therefore ex-situ Cement Solidification / Stabilization as soil remediation method have been successfully completed.

Based on the analytical results of the closure assessment, all identified contamination soils after Biopiling and / or Cement Solidification process have been fully removed and treated. The decontamination works at the ex-GFS Building is confirmed complete.

The treated soils will be temporarily stockpiled in the designated area for future backfilling works within the Kai Tak Development.

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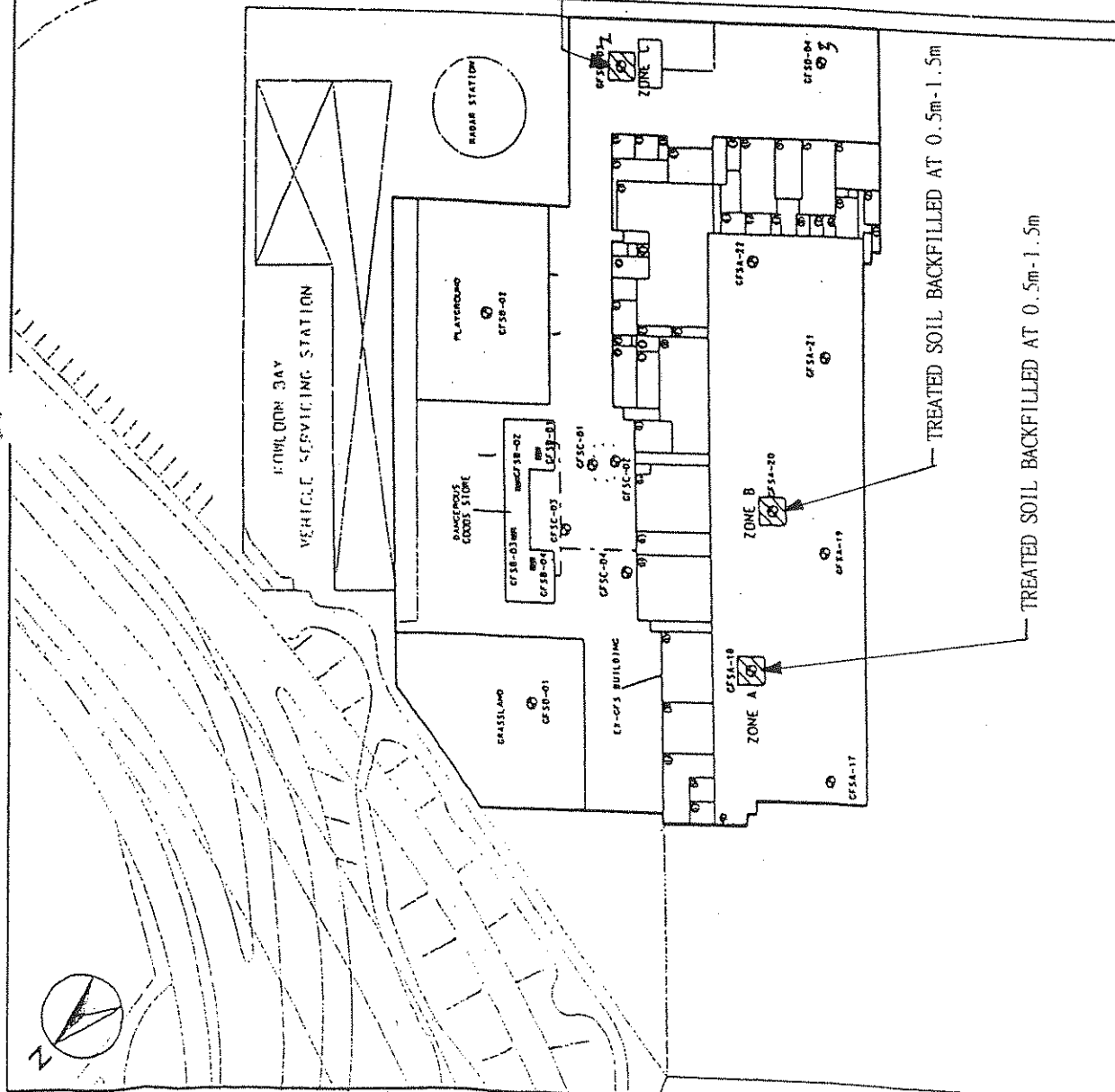
Appendix A

**Location Plans for Contaminated
Zones**

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Appendix B
Backfill Location Plans of Treated Soils

- EX-GES BUILDING LAYOUT DESCRIPTION**
 REFERENCE TO DRAWINGS PROVIDED BY ARCH.2.0 TOWERS ROS. AR-A-2 TO AR-A-11
- ① AHU ROOM
 - ② PASSENGER WAITING ROOM
 - ③ ROLE STORE
 - ④ AIR SURVEY EQUIPMENT STORE
 - ⑤ ELECTRICAL WORKSHOP
 - ⑥ CLEANING ROOM
 - ⑦ CALIBRATION ROOM
 - ⑧ INSTRUMENT WORKSHOP
 - ⑨ PAID WORKSHOP
 - ⑩ STORE
 - ⑪ HI-CAD BATTERY ROOM
 - ⑫ LEAD ACID BATTERY ROOM
 - ⑬ FLIP WORKSHOP
 - ⑭ VISITOR RECEPTION AREA
 - ⑮ TRANSFORMER POOL
 - ⑯ STATIONERY GENERAL STORE
 - ⑰ UNIFORM AND RECEPTION STORE
 - ⑱ PROCUREMENT OFFICE
 - ⑳ AIRCRAFT BONDED STORE
 - ㉑ LIFT MACHINE ROOM
 - ㉒ RECEIVING QUARANTINE STORE
 - ㉓ DISPATCH QUARANTINE STORE
 - ㉔ TYPE AND RUBBER PARTS STORE
 - ㉕ MAINTENANCE CONSUMABLES STORE
 - ㉖ CARBON DIOXIDE CHARGING EQUIPMENT ROOM
 - ㉗ STORE
 - ㉘ TRANSFORMER ROOM
 - ㉙ LV SWITCH ROOM
 - ㉚ PARACHUTE LOFT
 - ㉛ SURVIVAL EQUIPMENT STORE AND PARACHUTE LOFT
 - ㉜ GENERATOR ROOM
 - ㉝ METAL / MACHINE WORKSHOP
 - ㉞ WELDING WORKSHOP
 - ㉟ COMPONENT OVERHAUL WORKSHOP
 - ㊱ ENGINE / MODULE WORKSHOP
 - ㊲ ROLE EQUIPMENT WORKSHOP
 - ㊳ GROUND EQUIPMENT WORKSHOP
 - ㊴ TECHNICAL DEMONSTRATION ROOM
 - ㊵ MEDICAL CENTRE
 - ㊶ HANGER



TREATED SOIL BACKFILLED AT 0.5m-1.5m

TREATED SOIL BACKFILLED AT 0.5m-1.5m

TREATED SOIL BACKFILLED AT 0.5m-1.5m

Zone ID	Sample	Depth (m BBC)	Contaminant	Concentration (mg/kg)	Estimated Contamination Extent Vertical (m) Horizontal (m) (m) BBC	Estimated Volume (m ³)
Concentrations found in the soil samples collected below 0m to 1m BBC						
A	GFSA-16	1	Phenanthrene	14	0.5-1.5m	36
			Benzofluoranthene	11		
			Fluoranthene	19		
B	GFSA-20	1	Pyrene	2000	0.5-1.5m	36
			Zinc	5		
			Chromium	5		
C	GFSD-03	1	Lead	400	0.5-1.5m	36
			Zinc	2300		

Remarks:
 BBC - Below Base of Existing Concrete Pavement

LEGEND

- ① PROPOSED CONTAMINATED ZONE FOR EXCAVATION
- ② AS-BUILT BOREHOLE LOCATION
- ③ AS-BUILT TRIAL PIT LOCATION
- ④ ASSESSMENT AREA OF EX-GES BUILDING
- ⑤ UNDERGROUND FUEL TANK
- ⑥ PIPE TRENCH

SCALE: 1:1000
 DATE: JAN 08
 CHECKED: ELYC
 DRAWING NO.: 60022503
 REV: 3.3

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 DESIGN AND CONSTRUCTION OF ADVANCE WORKS-INVESTIGATION, DESIGN AND CONSTRUCTION

BACKFILL LOCATION PLAN OF TREATED SOLS(A-C)

MAUNSELL | AECOM
 11/F, 6022503 QUARANTINE REPORT/INITIAL [11/03] EIA/51 EEP/SADAR.DWG

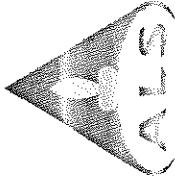
Contract No. : KL/2008/02	Revision No. : 1
Title: Remediation Report for Ex-GFS Building	Effective Date : 05 May 2010

Appendix C

**Analytical Results of TCLP and
Unconfined Compression Tests**

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : KIN WING CONSTRUCTION COMPANY LIMITED
Contact : MR ERIC WONG
Address : FLAT A, BLOCK 2, 6/F.,
KIN HO INDUSTRIAL BUILDING,
14-24 AU PUI WAN STREET,
FOTAN, SHATIN, HONG KONG
E-mail : Erickkwong7@yahoo.com.hk
Telephone : +852 2785 8152
Facsimile : +852 2725 9316
Project : CONTRACT KL_2008_02 DECOMMISSIONING
OF KAI TAK AIRPORT
Order number :
C-O-C number : H010266
Site :

Laboratory : ALS Technichem HK Pty Ltd
Contact : Chan Kwok Fai, Godfrey
Address : 11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
E-mail : Godfrey.Chan@alsenviro.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : HK/403b/2008**

Page : 1 of 3
Work Order : HK0924421
Amendment : 1

Date Samples Received : 18-NOV-2009
Issue Date : 10-DEC-2009
No. of samples received : 2
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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is:
23-NOV-2009

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: HK0924421

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #2, pH 2.83 - 2.93.

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.

This report may not be reproduced except with prior written approval from the testing laboratory.

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

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

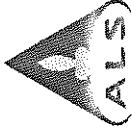


Page Number : 2 of 3
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924421, Amendment 1

Analytical Results

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID
EG: Metals and Major Cations - Filtered				B11-17-11-09 (GFSA-22) T2 (4 DAYS) [18-NOV-2009]
EG020: Copper	7440-50-8	0.1	mg/L	HK0924421-002
Sample Preparation Method				
E-TCLP: Extraction Fluid Number				2



Page Number : 3 of 3
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924421, Amendment 1

Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1170444)	B11-17-11-09 (GFSA-22)	EG020: Copper	7440-50-8	0.1	mg/L	0.1	0.1	0.0
HK0924421-002	T2 (4 DAYS)							

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

Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report				
CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1170444)	7440-50-8	0.001	<0.1	1 mg/L	86.8	---	85 115	---
EG020: Copper								

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

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)	MSD	Recovery Limits (%)	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1170444)	HK0924417-001	Anonymous	EG020: Copper	7440-50-8	1 mg/L	82.2	89.0	75 125	8.0

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS TECHNICHEM (HK) Pty Ltd
Environmental Division



CERTIFICATE OF ANALYSIS

CONTACT:	MR ERIC WONG	Batch:	HK0924421
CLIENT:	KIN WING CONSTRUCTION COMPANY LIMITED	LABORATORY:	HONG KONG
ADDRESS:	FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN,, HONG KONG	DATE RECEIVED:	18/11/2009
PROJECT ID:	CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	DATE OF ISSUE:	07/12/2009
		SAMPLE TYPE:	CONCRETE
		No. of SAMPLES:	1
		ORDER:	KL/2008/02

COMMENTS

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Concrete sample(s) analysed on an as received basis.
Determination of Compressive Strength on concrete was subcontracted and tested by Castco Testing Centre Ltd.
Castco Testing Centre Ltd details report was attached. The attached report contains a total of 1 page.

Sample Details

<i>ALS Lab ID</i>	<i>Sample ID</i>	<i>Date of Sampling</i>
HK0924421 - 1	B11-17-11-09 (GFSA-22) T1	17/11/2009

ISSUING LABORATORY: HONG KONG

Address

ALS Technichem (HK) Pty Ltd
11/F Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung

Phone: 852-2610 1044
Fax: 852-2610 2021
Email: hongkong@alsenviro.com


Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

Other ALS Environmental Laboratories

AUSTRALIA

Brisbane
Melbourne
Sydney
Newcastle

Hong Kong
Singapore
Kuala Lumpur
Bogor

AMERICAS

Vancouver
Santiago
Amtotagasta
Lima

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Abbreviations: % SPK REC denotes percentage spike recovery
CHK denotes duplicate check sample
LOR denotes limit of reporting
LCS % REC denotes Laboratory Control Sample percentage recovery

ALS Technichem (HK) Pty Ltd
Part of the **ALS Laboratory Group**
11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., H.K.
Phone: 852-2610 1044 Fax: 852-2610 2021 www.alsenviro.com
A Campbell Brothers Limited Company



佳力高試驗中心有限公司
CASTCO TESTING CENTRE LTD.



香港粉嶺安居街33號 33, On Kui Street, Fanling, Hong Kong. Tel: 2677 2138
香港粉嶺安全街29A號 29A, On Chuen Street, Fanling, Hong Kong. Fax: 2677 0351
E-mail: castco@netvigator.com Website: www.castco.com.hk

HOKLAS 032

CONCRETE CUBE COMPRESSIVE STRENGTH TEST REPORT

Tests were carried out in accordance with CS1 : 1990 Volume 2 Section 12.(AMD 1201,1202 & 1203)

Date of Issue :- 25/11/2009

Page 1 of 1

Castco Lab. Ref. No.:- CU0091124-10

1. SAMPLE DETAILS AS SUPPLIED BY CLIENT

Audit No.:- --

Client:- ALS TECHNICHEM (HK) PTY LTD.

Client Ref. No. :- HK0924421-1

Address:- 11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong.

Contract No.:-

Job Title :- CONTRACT KL 2008 02 DECOMMISSIONING OF KAI TAK AIRPORT

Location in works of concrete batch sampled:- --

Concrete mix ID:- --

Grade :- --

Designed/Measured Slump:- -- / -- mm

W/C ratio :- --

A/C ratio :- --

Cement content (OPC/PFA):- -- / -- kg/m³

Supplier :- --

Plant :- --

Source of coarse aggregate :- --

Cement brand :- --

Source of fine aggregate :- --

Admixture brand :- --

Dosage :- --

Date of sampling :- 17/11/2009 Time of water added to cement :- --

Place of sampling :- ON SITE

Place and time of making cubes :- --

No. of cubes :- 1

Name of person making cubes :- --

Method of compaction :- --

Nominal size :- 150 mm

Test at :- 7 days

Site curing method:- --

Max./Min. temp.:- -- / -- °C

2. CERTIFICATE OF SAMPLING, SLUMP TEST, CUBE MAKING AND CURING

A certificate of sampling, slump test, cube make and curing [] is available and a copy is attached. [X] is not available.

3. LABORATORY TEST RESULT

Date received :- 24/11/2009

Date of test :- 24/11/2009

Age at test :- 7 days

Laboratory curing method :- WATER TANK

Moisture condition at test :- WET

Tank No.:- A

Max./Min. temp.:- 30.0 / 24.0 °C

Housing Laboratory reference no.						
Cube Mark		B11-17-11-09	--	--	--	--
Mould no.		(GFS-A-22)T1	--	--	--	--
Mass in air	kg	5.870	--	--	--	--
Mass in water	kg	--	--	--	--	--
Measured dimensions in mm	Height	145.0	--	--	--	--
	Width	148.8	--	--	--	--
	Length	149.0	--	--	--	--
As-received	Vol. by calculation	1830	--	--	--	--
	Vol. by water disp.	--	--	--	--	--
Density (kg/m ³)			--	--	--	--
Load at failure	kN	22.1	--	--	--	--
Compressive strength	MPa	1.0	--	--	--	--
Observation code		F	--	--	--	--

Observation Legend :

A - Dry on receipt; B - Irregular shape; C - Damaged corners; D - Damaged edges; E - Oversize; F - Undersize;
G - Segregation; H - Honeycombing; I - Voids; J - Abnormal fracture;

Remark : 1. Test result relates only to the specimen tested. Loading rate 22 MPa/minute.

2. Laboratory curing commenced from date cubes received.

3. The time of water added to cement has not been given by client, the exact age at test is therefore not determined to Cl.10.4 of CS1:1990.

4. The sampling and making of cubes are not performed by the laboratory.

5. Cube was tested at as received condition.

Checked by :

K.W. LIU

Approved Signatory:

LAW WAI KIN
Technical Manager

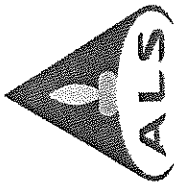
Form No. CUHE.CSV2SA dd4/11/2002

Code:9091267

End of Report

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 6
Contact	: MR ERIC WONG	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0924634
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Erickkwong7@yahoo.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	Quote number	: HK/403b/2008**	Date Samples Received	: 20-NOV-2009
Order number	: ---			Issue Date	: 08-DEC-2009
C-O-C number	: H010269			No. of samples received	: 6
Site	: ---			No. of samples analysed	: 3

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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

Fung Lim Chee, Richard

Position

General Manager

Authorised results for
Inorganics

ALS Laboratory Group
Trading Name: **ALS Technichem (HK) Pty Ltd**
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com
A Campbell Brothers Limited Company



Page Number : 2 of 6
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK0924634

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is:

27-NOV-2009

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: HK0924634

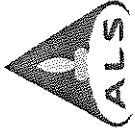
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

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

Water 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. Extraction Fluid #2 pH 2.83 - 2.93.

Sample(s) as received, digested by In-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.



Page Number : 3 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924634

Analytical Results

Sub-Matrix: SOIL

Compound	CAS Number	LOR	Unit	Client sample ID		
				Client sampling date / time	Client sample ID	Client sample ID
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	B12-19-11-09 (GFSD-04) T2 [19-NOV-2009] HK0924634-004	B13-19-11-09 (GFSA-17) T2 [19-NOV-2009] HK0924634-005	B14-19-11-09 (GFSA-20) T2 [19-NOV-2009] HK0924634-006
Metals and Major Cations						
EG020: Cadmium	7440-43-9	0.2	mg/kg	1.8	---	---
EG020: Lead	7439-92-1	1	mg/kg	124	66	---
EG020: Zinc	7440-66-6	1	mg/kg	---	---	95



Page Number : 4 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924634

Compound	Client sample ID		Unit	Client sampling date / time	LOR	CAS Number	EG020: Arsenic	EG020: Copper	EG020: Lead	Sample Preparation Method	E-TCLP: Extraction Fluid Number
	B12-19-11-09 (GFSD-04) T2 [20-NOV-2009] HK0924634-004	B13-19-11-09 (GFA-17) T2 [20-NOV-2009] HK0924634-005									
EG: Metals and Major Cations - Filtered											
EG020: Arsenic			mg/L		1	7440-38-2	<1	<1	<1		
EG020: Copper			mg/L		1	7440-50-8	<1	<1	<1		
EG020: Lead			mg/L		1	7439-92-1	<1	<1	<1		
Sample Preparation Method											
E-TCLP: Extraction Fluid Number											



Page Number : 5 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924634

Laboratory Duplicate (DUP) Report

Matrix: SOIL		Method: Compound		Laboratory Duplicate (DUP) Report			
Laboratory sample ID	Client sample ID	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EAIED: Physical and Aggregate Properties (QC Lot: 1174227)							
HK0924441-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	0.1	%	15.3	15.4	1.1
HK0924614-010	Anonymous	EA055: Moisture Content (dried @ 103°C)	0.1	%	2.5	2.4	4.6
EG: Metals and Major Cations (QC Lot: 1174210)							
HK0924557-001	Anonymous	EG020: Cadmium	0.2	mg/kg	<0.2	<0.2	0.0
		EG020: Lead	1	mg/kg	1	1	0.0
		EG020: Zinc	1	mg/kg	26	29	7.5

Matrix: WATER		Method: Compound		Laboratory Duplicate (DUP) Report			
Laboratory sample ID	Client sample ID	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1175724)							
HK0924634-005	B13-19-11-09 (GFSA-17)	EG020: Arsenic	1	mg/L	<1	<1	0.0
	T2	EG020: Copper	1	mg/L	<1	<1	0.0
		EG020: Lead	1	mg/L	<1	<1	0.0

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

Matrix: SOIL		Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report							
Method: Compound		CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations (QC Lot: 1174210)											
EG020: Cadmium		7440-43-9	0.2	mg/kg	<0.2	5 mg/kg	95.7	85	115	---	---
EG020: Lead		7439-92-1	1	mg/kg	<1	5 mg/kg	97.3	85	115	---	---
EG020: Zinc		7440-66-6	1	mg/kg	<1	5 mg/kg	91.7	85	115	---	---
Method Blank (MB) Report											
Matrix: WATER		CAS Number	LOR	Unit	Result <td>Spike Concentration</td> <td>LCS</td> <td>DCS</td> <td>Recovery Limits (%)</td> <td>Value</td> <td>Control Limit</td>	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 1175724)											
EG020: Arsenic		7440-38-2	0.01	mg/L	<1	1 mg/L	92.2	85	115	---	---
EG020: Copper		7440-50-8	0.001	mg/L	<1	1 mg/L	89.5	85	115	---	---
EG020: Lead		7439-92-1	0.001	mg/L	<1	1 mg/L	98.6	85	115	---	---

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

Matrix: SOIL		Method: Compound		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
Laboratory sample ID	Client sample ID	CAS Number	MS	MSD	Recovery Limits (%)	Value	Control Limit		
EG: Metals and Major Cations (QC Lot: 1174210)	Anonymous	EG020: Cadmium	84.4	5 mg/kg	75	125	---		
HK0924536-001									



Page Number : 6 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924634

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)
						MS	MSD	Low	High	Value
Matrix: SOIL										
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report										
EG: Metals and Major Cations (QC Lot: 117421D) - Continued HK0924634-001	Anonymous		EG020: Lead	7439-92-1	5 mg/kg	# Not Determined	---	75	125	---
				7440-66-6	5 mg/kg	# Not Determined	---	75	125	---
Matrix: WATER										
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report										
Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)		Recovery Limits (%)		RPD (%)
						MS	MSD	Low	High	Value
EG: Metals and Major Cations - Filtered (QC Lot: 1175724) HK0924634-004	B12-19-1-09 (GFSD-04) T2		EG020: Arsenic	7440-38-2	1 mg/L	96.3	96.1	75	125	0.2
				7440-50-8	1 mg/L	90.3	90.9	75	125	0.6
				7439-92-1	1 mg/L	93.4	96.5	75	125	3.3

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS TECHNICHEM (HK) Pty Ltd
Environmental Division



CERTIFICATE OF ANALYSIS

CONTACT:	MR ERIC WONG	Batch:	HK0924634
CLIENT:	KIN WING CONSTRUCTION COMPANY LIMITED	LABORATORY:	HONG KONG
ADDRESS:	FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN,, HONG KONG	DATE RECEIVED:	20/11/2009
		DATE OF ISSUE:	07/12/2009
		SAMPLE TYPE:	CONCRETE
PROJECT ID:	CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	No. of SAMPLES:	3
		ORDER:	KL/2008/02

COMMENTS

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Concrete sample(s) analysed on an as received basis.
Determination of Compressive Strength on concrete was subcontracted and tested by Castco Testing Centre Ltd.
Castco Testing Centre Ltd details report was attached. The attached report contains a total of 1 page.

Sample Details

<i>ALS Lab ID</i>	<i>Sample ID</i>	<i>Date of Sampling</i>
HK0924634 - 1	B12-19-11-09 (GFSD-04) T1	19/11/2009
HK0924634 - 2	B13-19-11-09 (GFSA-17) T1	19/11/2009
HK0924634 - 3	B14-19-11-09 (GFSA-20) T1	19/11/2009

ISSUING LABORATORY: HONG KONG

Address

ALS Technichem (HK) Pty Ltd
11/F Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung

Phone: 852-2610 1044
Fax: 852-2610 2021
Email: hongkong@alsenviro.com


Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

Other ALS Environmental Laboratories

AUSTRALIA

Brisbane
Melbourne
Sydney
Newcastle

Hong Kong
Singapore
Kuala Lumpur
Bogor

AMERICAS

Vancouver
Santiago
Amtofagasta
Lima

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*Abbreviations: % SPK REC denotes percentage spike recovery
CHK denotes duplicate check sample
LOR denotes limit of reporting
LCS % REC denotes Laboratory Control Sample percentage recovery*

ALS Technichem (HK) Pty Ltd
Part of the **ALS Laboratory Group**

11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., H.K.
Phone: 852-2610 1044 Fax: 852-2610 2021 www.alsenviro.com
A Campbell Brothers Limited Company



香港粉嶺安居街33號 33, On Kui Street, Fanling, Hong Kong. Tel : 2677 2138
香港粉嶺安全街29A號 29A, On Chuen Street, Fanling, Hong Kong. Fax: 2677 0351
E-mail: castco@netvigator.com Website: www.castco.com.hk

CONCRETE CUBE COMPRESSIVE STRENGTH TEST REPORT

Tests were carried out in accordance with CS1 : 1990 Volume 2 Section 12.(AMD 1201,1202 & 1203)

Date of Issue :- 25/11/2009

Page 1 of 1

Castco Lab. Ref. No.:- CU0091124-9

1. SAMPLE DETAILS AS SUPPLIED BY CLIENT

Client:- ALS TECHNICHEM (HK) PTY LTD.

Address:- 11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong.

Contract No.:-

Job Title :- CONTRACT KL 2008 02 DECOMMISSIONING OF KAI TAK AIRPORT

Location in works of concrete batch sampled:- --

Concrete mix ID:- --

Grade :- --

Designed/Measured Slump:- -- / -- mm

W/C ratio :- --

A/C ratio :- --

Cement content (OPC/PFA):- -- /--kg/m³

Supplier :- --

Plant :- --

Source of coarse aggregate :- --

Cement brand :- --

Source of fine aggregate :- --

Admixture brand :- --

Dosage :- --

Date of sampling :- 19/11/2009 Time of water added to cement :- --

Place of sampling :- ON SITE

Place and time of making cubes :- --

No. of cubes :- 3

Name of person making cubes :- --

Method of compaction :- --

Nominal size :- 150 mm

Test at :- 5 days

Site curing method:- --

Max./Min. temp.:- -- / -- °C

2. CERTIFICATE OF SAMPLING, SLUMP TEST, CUBE MAKING AND CURING

A certificate of sampling, slump test, cube make and curing [] is available and a copy is attached.

[X] is not available.

3. LABORATORY TEST RESULT

Date received :- 24/11/2009

Date of test :- 24/11/2009

Age at test :- 5 days

Laboratory curing method :- WATER TANK

Moisture condition at test :- WET

Tank No. :- A

Max./Min. temp.:- 30.0 / 24.0 °C

Housing Laboratory reference no.						
Cube Mark		B12 T1	B13 T1	B14 T1	--	--
Mould no.		(GFSD-04)	(GFSA-17)	(GFSA-20)	--	--
Mass in air	kg	5.605	6.150	6.450	--	--
Mass in water	kg	--	--	--	--	--
Measured dimensions in mm	Height	150.2	151.8	149.5	--	--
	Width	149.1	149.1	149.3	--	--
	Length	149.0	149.6	149.2	--	--
As-received	Vol. by calculation	1680	1820	1940	--	--
	Vol. by water disp.	--	--	--	--	--
Density (kg/m ³)						
Load at failure	kN	16.2	83.4	32.3	--	--
Compressive strength	MPa	0.5	3.5	1.5	--	--
Observation code		--	--	--	--	--

Observation Legend :

A - Dry on receipt; B - Irregular shape; C - Damaged corners; D - Damaged edges; E - Oversize; F - Undersize;
G - Segregation; H - Honeycombing; I - Voids; J - Abnormal fracture;

Remark : 1. Test result relates only to the specimen tested. Loading rate 22 MPa/minute.

2. Laboratory curing commenced from date cubes received.

3. The time of water added to cement has not been given by client, the exact age at test is therefore not determined to Cl.10.4 of CS1:1990.

4. The sampling and making of cubes are not performed by the laboratory.

5. Cube was tested at as received condition.

Checked by :

K.W. LIU

Approved Signatory:

LAW WAI KIN
Technical Manager

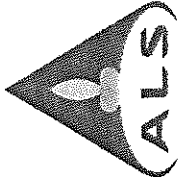
Form No. CUBE.CSV2SA 04/11/2002

Code:9091267

End of Report

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR ERIC WONG	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0924866
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Erickkwong7@yahoo.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: CONTRACT_KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	Quote number	: HK/403b/2008**	Date Samples Received	: 24-NOV-2009
Order number	: ---			Issue Date	: 09-DEC-2009
C-O-C number	: H010273			No. of samples received	: 2
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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is:

03-DEC-2009

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: HK0924866

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.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98.

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Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics



Page Number : 2 of 3
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924866

Analytical Results
 Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID
EG: Metals and Major Cations - Filtered				B15-23-11-09 T2 (AREA A)
EG020: Lead	7439-92-1	0.1	mg/L	(4 DAYS) [24-NOV-2009]
Sample Preparation Method				HK0924866-002
E-TCLP: Extraction Fluid Number				



Page Number : 3 of 3
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924866

Laboratory Duplicate (DUP) Report

• No Laboratory Duplicate (DUP) Results are required to be reported.

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

Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Matrix:	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	RPD (%)	
								Low	High	
Method: Compound										
EG: Metals and Major Cations - Filtered (QC Lot: 1181058)	7439-92-1	0.001	mg/L	<0.1	0.1 mg/L	93.0	—	85	115	—
EG020: Lead										

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

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report			
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number
EG: Metals and Major Cations - Filtered (QC Lot: 1181058)	B15-23-11-09 T2 (AREA A) (4 DAYS)		7439-92-1
HK0924866-002			

Spike Concentration	MS	Spike Recovery (%)	MSD	Recovery Limits (%)	Low	High	Value	RPD (%)	Control Limit
0.1 mg/L	90.6	89.5	89.5	75	125	125	1.2	—	—



CERTIFICATE OF ANALYSIS

CONTACT:	MR ERIC WONG	Batch:	HK0924866
CLIENT:	KIN WING CONSTRUCTION COMPANY LIMITED	LABORATORY:	HONG KONG
ADDRESS:	FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN,, HONG KONG	DATE RECEIVED:	24/11/2009
PROJECT ID:	CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	DATE OF ISSUE:	09/12/2009
		SAMPLE TYPE:	CONCRETE
		No. of SAMPLES:	1
		ORDER:	KL/2008/02

COMMENTS

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Concrete sample(s) analysed on an as received basis.
Determination of Compressive Strength on concrete was subcontracted and tested by Castco Testing Centre Ltd.
Castco Testing Centre Ltd details report was attached. The attached report contains a total of 1 page.


Sample Details

<i>ALS Lab ID</i>	<i>Sample ID</i>	<i>Date of Sampling</i>
HK0924866 - 1	B15-23-11-09 T1 (AREA A)	23/11/2009

ISSUING LABORATORY: HONG KONG

Address:
ALS Technichem (HK) Pty Ltd
11/F Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung

Phone: 852-2610 1044
Fax: 852-2610 2021
Email: hongkong@alsenviro.com


Ms Wong Wai Man, Alice
Laboratory Manager - Hong Kong

Other Environmental Laboratories

AUSTRALIA
Brisbane
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Sydney
Newcastle

Hong Kong
Singapore
Kuala Lumpur
Bogor

AMERICAS
Vancouver
Santiago
Amtofagasta
Lima

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Abbreviations: % SPK REC denotes percentage spike recovery
CHK denotes duplicate check sample
LOR denotes limit of reporting
LCS % REC denotes Laboratory Control Sample percentage recovery



佳力高試驗中心有限公司
CASTCO TESTING CENTRE LTD.



香港粉嶺安居街33號 33, On Kui Street, Fanling, Hong Kong. Tel: 2677 2138
香港粉嶺安全街29A號 29A, On Chuen Street, Fanling, Hong Kong. Fax: 2677 0351
E-mail: castco@netvigator.com Website: www.castco.com.hk

CONCRETE CUBE COMPRESSIVE STRENGTH TEST REPORT

Tests were carried out in accordance with CS1 : 1990 Volume 2 Section 12. (AMD 1201, 1202 & 1203)
Date of Issue :- 02/12/2009
Page 1 of 1

Castco Lab. Ref. No. :- CU0091130-71

1. SAMPLE DETAILS AS SUPPLIED BY CLIENT

Audit No. :- --

Client:- ALS TECHNICHEM (HK) PTY LTD.

Client Ref. No. :- --

Address:- 11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong.

Contract No. :-

Job Title :- CONTRACT KL 2008 02 DECOMMISSIONING OF KAI TAK AIRPORT

Location in works of concrete batch sampled:- --

Concrete mix ID:- --

Grade :- --

Designed/Measured Slump:- -- / -- mm

W/C ratio :- --

A/C ratio :- --

Cement content (OPC/PFA):- -- / -- kg/m³

Supplier :- --

Plant :- --

Source of coarse aggregate :- --

Cement brand :- --

Source of fine aggregate :- --

Admixture brand :- --

Dosage :- --

Date of sampling :- 23/11/2009 Time of water added to cement :- --

Place of sampling :- ON SITE

Place and time of making cubes :- --

No. of cubes :- 1

Name of person making cubes :- --

Method of compaction :- --

Nominal size :- 150 mm

Test at :- 8 days

Site curing method:- --

Max./Min. temp. :- -- / -- °C

2. CERTIFICATE OF SAMPLING, SLUMP TEST, CUBE MAKING AND CURING

A certificate of sampling, slump test, cube make and curing is available and a copy is attached. is not available.

3. LABORATORY TEST RESULT

Date received :- 30/11/2009

Date of test :- 01/12/2009

Age at test :- 8 days

Laboratory curing method :- WATER TANK

Moisture condition at test :- WET

Tank No. :- C

Max./Min. temp. :- 30.0 / 24.0 °C

Housing Laboratory reference no.						
Cube Mark		B15-23-11-09	--	--	--	--
Mould no.		T1(AREA A)	--	--	--	--
Mass in air	kg	6.555	--	--	--	--
Mass in water	kg	--	--	--	--	--
Measured dimensions in mm	Height	152.1	--	--	--	--
	Width	149.7	--	--	--	--
	Length	149.7	--	--	--	--
As-received	Vol. by calculation	1920	--	--	--	--
	Vol. by water disp.	--	--	--	--	--
Density (kg/m ³)			--	--	--	--
Load at failure	kN	99.3	--	--	--	--
Compressive strength	MPa	4.5	--	--	--	--
Observation code		E	--	--	--	--

Observation Legend :

A - Dry on receipt; B - Irregular shape; C - Damaged corners; D - Damaged edges; E - Oversize; F - Undersize;
G - Segregation; H - Honeycombing; I - Voids; J - Abnormal fracture;

Remark : 1. Test result relates only to the specimen tested. Loading rate 22 MPa/minute.

2. Laboratory curing commenced from date cubes received.

3. The time of water added to cement has not been given by client, the exact age at test is therefore not determined to Cl.10.4 of CS1:1990.

4. The sampling and making of cubes are not performed by the laboratory

Checked by :

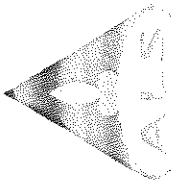
Approved Signatory:

Form No. CUBE.CSV2SA dd4/11/2002 Code: 9081267

K.W. LIU

End of Report

LAW WAI KIN
Technical Manager



CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 7
Contact	: MR ERIC WONG	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0925924
Address	: FLAT A, BLOCK 2, 6F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Erickkwong7@yahoo.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	Quote number	: HK403b/2008**	Date Samples Received	: 05-DEC-2009
Order number	: ---			Issue Date	: 27-JAN-2010 18:00
C-O-C number	: H010275			No. of samples received	: 5
Site	: ---			No. of samples analysed	: 4

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Signatories

Fung Lim Chee, Richard

Position

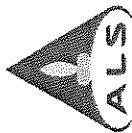
General Manager

Authorised results for

Inorganics

PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 2 of 7
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK0925924



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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is:

15-DEC-2009

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: HK0925924

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.

Sample(s) as received, digested by in-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #2 pH 2.83 - 2.93.

PRELIMINARY REPORT FOR REFERENCE ONLY



Page Number : 3 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925924

Analytical Results

Sub-Matrix: SOIL

Compound	Client sample ID		Client sampling date / time	Unit	LOR	CAS Number	Unit	Result
	AREA	2M/						
EAJED: Physical and Aggregate Properties	E/GFSD-04/BOTTOM/4.	BBC/03-12-09	[03-DEC-2009]					
EA055: Moisture Content (dried @ 103° C)				%	0.1			19.8
EG: Metals and Major Cations								
EG020: Cadmium				mg/kg	0.2			<0.2
EG020: Lead				mg/kg	1			65



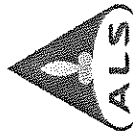
PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 4 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925924

Sub-Matrix: TCLP LEACHATE

Client sample ID		Client sampling date / time	
CAS Number	LOR	Unit	Unit
B16-03-12709/AREA E/GFSD-04/T2 (4 DAYS) [05-DEC-2009]		HK0925924-005	
Compound			
EG: Metals and Major Cations - Filtered			
EG020: Cadmium	7440-43-9	0.2	mg/L
EG020: Lead	7439-92-1	1	mg/L
Sample Preparation Method			
E-TCLP: Extraction Fluid Number			2

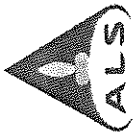
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Page Number : 5 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925924

Sub-Matrix: WATER

Compound	CAS Number	LOR	Unit	Client sample ID		FIELD/AREA
				Client sampling date / time	EQUIPMENT/AREA	
EG: Metals and Major Cations - Filtered						
EG020: Cadmium	7440-43-9	0.2	µg/L	[03-DEC-2009]	E/GFSD-04/ BOTTOM/4.2M/BBC/03- 12-09	E/GFSD-04/03-12-09
EG020: Lead	7439-92-1	1	µg/L	[03-DEC-2009]	HK0925924-002	[03-DEC-2009] HK0925924-003



PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 6 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925924

Laboratory Duplicate (DUP) Report

Laboratory sample ID		Client sample ID	Method: Compound	Laboratory Duplicate (DUP) Report		RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1192895)	EA055: Moisture Content (dried @ 103°C)			Original Result	Duplicate Result	
HK0926158-001	Anonymous			23.8	23.6	1.2
EG: Metals and Major Cations (QC Lot: 1192953)	AREA			<0.2	<0.2	0.0
EGFS-04/BOTTOM/4.2M/	BBC/03-12-09			65	52	21.5
EG020: Cadmium						
EG020: Lead						

Laboratory sample ID		Client sample ID	Method: Compound	Laboratory Duplicate (DUP) Report		RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1192737)	FIELD/AREA			Original Result	Duplicate Result	
HK0925924-003	EGFS-04/03-12-09			<0.2	<0.2	0.0
EG020: Cadmium						
EG020: Lead				<1	<1	0.0

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

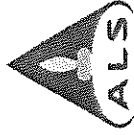
Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report								
CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	Control Limit	RPD (%)
7440-43-9	0.2	mg/kg	<0.2	5 mg/kg	97.4	85	115	---	---	---
7439-92-1	1	mg/kg	<1	5 mg/kg	93.4	85	115	---	---	---

Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report								
CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	Control Limit	RPD (%)
7440-43-9	0.0002	mg/L	<0.02	1 mg/L	92.1	85	115	---	---	---
7439-92-1	0.001	mg/L	<1	1 mg/L	94.3	85	115	---	---	---

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

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Recovery Limits (%)	Value	Control Limit	RPD (%)
EG: Metals and Major Cations (QC Lot: 1192953)	Anonymous	EG020: Cadmium	7440-43-9	5 mg/kg	101	75	125	---	---	---
HK0925747-001										

PRELIMINARY REPORT FOR REFERENCE ONLY

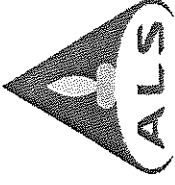


Page Number : 7 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925924

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	Spike Recovery (%)	MSD	Recovery Limits (%)	Low	High	Value	RPD (%)	Control Limit
Matrix: SOIL														
EG: Metals and Major Cations (QC Lot: 1192953) - Continued														
HK0925747-001		Anonymous	EG020: Lead	7439-92-1	5 mg/kg	98.7	---	---	75	125	---	---	---	---
Matrix: WATER														
EG: Metals and Major Cations - Filtered (QC Lot: 1192737)														
HK0925924-002		EQUIPMENT/AREA E/GFSD-04/ BOTTOM/4.2M/BBC/03-12-09	EG020: Cadmium EG020: Lead	7440-43-9 7439-92-1	100 µg/L 100 µg/L	93.0 94.6	---	---	75	125	---	---	---	---
EG: Metals and Major Cations - Filtered (QC Lot: 1195230)														
HK0925924-005		B16-03-12/09/AREA E/GFSD-04/T2 (4 DAYS)	EG020: Cadmium EG020: Lead	7440-43-9 7439-92-1	1 mg/L 1 mg/L	96.1 95.0	95.8 98.1	75 75	125 125	0.3 3.2	---	---	---	---

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 7
Contact	: MR ERIC WONG	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1001263
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Erickwong7@yahoo.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	Quote number	: HK/403b/2008**	Date Samples Received	: 15-JAN-2010
Order number	: ---			Issue Date	: 09-MAR-2010
C-O-C number	: H010279			No. of samples received	: 6
Site	: ---			No. of samples analysed	: 5

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Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

ALS Laboratory Group

Trading Name: **ALS Technichem (HK) Pty Ltd**
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company



Page Number : 2 of 7
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK1001263

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is:

22-JAN-2010

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: HK1001263

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.

Sample(s) as received, digested by In-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98.



Analytical Results

Sub-Matrix: SOIL

Compound	CAS Number	LOR	Client sample ID	
			Client sampling date / time	Unit
EA/ED: Physical and Aggregate Properties			AREA C GFSD-03/C3-C4(R1)/ 1.0M/14-01-10 [14-JAN-2010]	AREA C GFSD-03/BOTTOM/ 1.5M/14-01-10 [14-JAN-2010]
EA055: Moisture Content (dried @ 103° C)		0.1	6.5	7.7
EG: Metals and Major Cations				
EG020: Cadmium	7440-43-9	0.2	0.3	<0.2
EG020: Lead	7439-92-1	1	65	58
EG020: Zinc	7440-66-6	1	111	76



Page Number : 4 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001263

Sub-Matrix: TCLP LEACHATE		Client sample ID	B16-14-01-10 T2 (4 DAYS) [15-JAN-2010]	
Compound	CAS Number	LOR	Unit	HK1001263-006
EG: Metals and Major Cations - Filtered				
EG020: Cadmium	7440-43-9	0.02	mg/L	<0.02
EG020: Lead	7439-92-1	0.1	mg/L	<0.1
EG020: Zinc	7440-66-6	0.1	mg/L	<0.1
Sample Preparation Method				
E-TCLP: Extraction Fluid Number				1



Page Number : 5 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001263

Sub-Matrix: WATER

Client sample ID		Client sampling date / time	
Field/Area C	Equipment/Area C	CAS Number	Unit
GFSD-03/BOTTOM/ 1.5M/14-01-10	GFSD-03/ BOTTOM/1.5M/14-01-1 0	[14-JAN-2010]	[14-JAN-2010]
HK1001263-003	HK1001263-004	LOR	Unit
EG: Metals and Major Cations - Filtered			
EG020: Cadmium	7440-43-9	0.2	µg/L
EG020: Lead	7439-92-1	1	µg/L
EG020: Zinc	7440-66-6	10	µg/L



Laboratory Duplicate (DUP) Report

Matrix: SOIL		Laboratory Duplicate (DUP) Report		Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1225576)								
HK1000500-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	44.5	44.3	0.4
HK1000500-011	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	48.7	47.2	3.2
EG: Metals and Major Cations (QC Lot: 1225687)								
HK1001263-002	AREA C	EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	<0.2	0.0
	GFSD-03/BOTTOM/ 1.5M/14-01-10							
		EG020: Lead	7439-92-1	1	mg/kg	58	53	7.6
		EG020: Zinc	7440-66-6	1	mg/kg	76	68	11.6

Matrix: WATER		Laboratory Duplicate (DUP) Report		Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1225689)								
HK1001263-004	EQUIPMENT/AREA C	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
	GFSD-03/ BOTTOM/1.5M/14-01-10							
		EG020: Lead	7439-92-1	1	µg/L	<1	<1	0.0
		EG020: Zinc	7440-66-6	10	µg/L	<10	<10	0.0
EG: Metals and Major Cations - Filtered (QC Lot: 1227645)								
HK1001318-002	Anonymous	EG020: Zinc	7440-66-6	0.01	mg/L	<0.1	<0.1	0.0
		EG020: Cadmium	7440-43-9	0.02	mg/L	<0.02	<0.02	0.0
		EG020: Lead	7439-92-1	1	mg/L	<1	<1	0.0

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

Matrix: SOIL		Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report	
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	Recovery Limits (%)
					LCS	DCS	Low High
EG: Metals and Major Cations (QC Lot: 1225687)							
EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	96.1	---	85 115
EG020: Lead	7439-92-1	1	mg/kg	<1	102	---	85 115
EG020: Zinc	7440-66-6	1	mg/kg	<1	103	---	85 115
Method Blank (MB) Report							
	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	Recovery Limits (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1225689)							
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	100 µg/L	---	85 115
EG020: Lead	7439-92-1	1	µg/L	<1	100 µg/L	---	85 115
EG020: Zinc	7440-66-6	10	µg/L	<10	100 µg/L	---	85 115
EG: Metals and Major Cations - Filtered (QC Lot: 1227645)							



Page Number : 7 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001263

Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report			
CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)
				Low	High	Value	Control Limit
Method: Compound							
EG: Metals and Major Cations - Filtered (QC Lot: 1227645) - Continued							
7440-43-9	0.0002	mg/L	<0.02	1 mg/L	96.6	---	85 115
7439-92-1	0.001	mg/L	<0.1	1 mg/L	86.9	---	85 115
7440-66-6	0.01	mg/L	<0.1	1 mg/L	98.9	---	85 115

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

Laboratory sample		Client sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)	MSD	Recovery Limits (%)	Value	Control Limit
ID						MS	MSD	Low	High	RPD (%)
Matrix: SOIL										
EG: Metals and Major Cations (QC Lot: 1225687)										
HK1001263-001	AREA C GFSD-03/C3-C4(R1Y)	1.0M/14-01-10	EG020: Cadmium	7440-43-9	5 mg/kg	103	---	75	125	---
			EG020: Lead	7439-92-1	5 mg/kg	# Not Determined	---	75	125	---
			EG020: Zinc	7440-66-6	5 mg/kg	# Not Determined	---	75	125	---

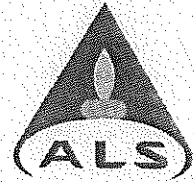
Laboratory sample		Client sample ID	Method: Compound	CAS Number	Spike Concentration	Spike Recovery (%)	MSD	Recovery Limits (%)	Value	Control Limit
ID						MS	MSD	Low	High	RPD (%)
Matrix: WATER										
EG: Metals and Major Cations - Filtered (QC Lot: 1225689)										
HK1001263-003	FIELD/AREA C	GFSD-03/BOTTOM/1.5M/14-01-10	EG020: Cadmium	7440-43-9	100 µg/L	91.4	---	75	125	---
			EG020: Lead	7439-92-1	100 µg/L	96.0	---	75	125	---
			EG020: Zinc	7440-66-6	100 µg/L	87.3	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 1227645)										
HK1001263-006	B16-14-01-10 T2 (4 DAYS)		EG020: Cadmium	7440-43-9	1 mg/L	98.5	96.9	75	125	1.6
			EG020: Lead	7439-92-1	1 mg/L	83.2	89.5	75	125	7.2
			EG020: Zinc	7440-66-6	1 mg/L	94.9	96.4	75	125	1.6

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS TECHNICHEM (HK) Pty Ltd

Environmental Division



CERTIFICATE OF ANALYSIS

CONTACT: MR ERIC WONG
CLIENT: KIN WING CONSTRUCTION COMPANY LIMITED
ADDRESS: FLAT A, BLOCK 2, 6/F.,
KIN HO INDUSTRIAL BUILDING,
14-24 AU PUI WAN STREET,
FOTAN, SHATIN,, HONG KONG
PROJECT ID: CONTRACT KL 2008_02 DECOMMISSIONING
OF KAI TAK AIRPORT

Batch: HK1001263
LABORATORY: HONG KONG
DATE RECEIVED: 15/01/2010
DATE OF ISSUE: 08/03/2010
SAMPLE TYPE: CONCRETE
No. of SAMPLES: 1
ORDER: KL/2008/02

COMMENTS

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Concrete sample(s) analysed on an as received basis.
Determination of Compressive Strength on concrete was subcontracted and tested by Castco Testing Centre Ltd.
Castco Testing Centre Ltd details report was attached. The attached report contains a total of 1 page.

Sample Details

ALS Lab ID	Sample ID	Date of Sampling
HK1001263 - 5	B16-14-01-10	14/01/2010

ISSUING LABORATORY: HONG KONG

Address

ALS Technichem (HK) Pty Ltd
11/F Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung

Phone: 852-2610 1044
Fax: 852-2610 2021
Email: hongkong@alsenviro.com


Mr. Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

Other ALS Environmental Laboratories

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Brisbane
Melbourne
Sydney
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Hong Kong
Singapore
Kuala Lumpur
Bogor

AMERICAS

Vancouver
Santiago
Ampofagasta
Lima

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Abbreviations: % SPK REC denotes percentage spike recovery
CHK denotes duplicate check sample
LOR denotes limit of reporting
LCS % REC denotes Laboratory Control Sample percentage recovery

ALS Technichem (HK) Pty Ltd

Part of the ALS Laboratory Group

11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., H.K.

Phone: 852-2610 1044 Fax: 852-2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company



CONCRETE CUBE COMPRESSIVE STRENGTH TEST REPORT

Tests were carried out in accordance with CSI : 1990 Volume 2 Section 12.(AMD 1201,1202 & 1203)

Date of Issue :- 12/02/2010

Page 1 of 1

Castco Lab. Ref. No.:- CU0100120-64

1. SAMPLE DETAILS AS SUPPLIED BY CLIENT

Client:- ALS TECHNICHEM (HK) PTY LTD.

Audit No.:- --

Client Ref. No. :- --

Address:- 11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong.

Contract No.:-

Job Title :- CONTRACT KL 2008 02 DECOMMISSIONING OF KAI TAK AIRPORT

Location in works of concrete batch sampled:- --

Concrete mix ID:- --

Grade :- LIGHT WEIGHT CONC.

Designed/Measured Slump:- -- / -- mm

W/C ratio :- --

A/C ratio :- --

Cement content (OPC/PFA):- -- / --kg/m³

Supplier :- --

Plant :- --

Source of coarse aggregate :- --

Cement brand :- --

Source of fine aggregate :- --

Admixture brand :- --

Dosage :- --

Date of sampling :- 14/01/2010 Time of water added to cement :- --

Place of sampling :- ON SITE

Place and time of making cubes :- ON SITE

No. of cubes :- 1

Name of person making cubes :- --

Method of compaction :- --

Nominal size :- 150 mm

Test at :- 28 days

Site curing method:- --

Max./Min. temp.:- -- / -- °C

2. CERTIFICATE OF SAMPLING, SLUMP TEST, CUBE MAKING AND CURING

A certificate of sampling, slump test, cube make and curing is available and a copy is attached.

is not available.

3. LABORATORY TEST RESULT

Date received :- 20/01/2010

Date of test :- 11/02/2010

Age at test :- 28 days

Laboratory curing method :- --

Moisture condition at test :- DRY

Tank No.:-

Max./Min. temp.:- -- / -- °C

Housing Laboratory reference no.						
Cube Mark - HK1001263-5 B16-14-01-10	T1	--	--	--	--	--
Mould no.	NA	--	--	--	--	--
Mass in air kg	6.480	--	--	--	--	--
Mass in water kg	--	--	--	--	--	--
Measured dimensions in mm	Height	150.6	--	--	--	--
	Width	150.3	--	--	--	--
	Length	150.2	--	--	--	--
Saturated Density (kg/m ³)	Vol. by calculation	1910	--	--	--	--
	Vol. by water disp.	--	--	--	--	--
Load at failure kN	242.6	--	--	--	--	--
Compressive strength MPa	10.5	--	--	--	--	--
Observation code	--	--	--	--	--	--

Observation Legend :

A - Dry on receipt; B - Irregular shape; C - Damaged corners; D - Damaged edges; E - Oversize; F - Undersize;

G - Segregation; H - Honeycombing; I - Voids; J - Abnormal fracture;

Remark : 1. Test result relates only to the specimen tested. Loading rate 22 MPa/minute.

2. Laboratory curing commenced from date cubes received.

3. The time of water added to cement has not been given by client, the exact age at test is therefore not determined to Cl.10.4 of CSI:1990.

4. The sampling and making of cubes are not performed by the laboratory.

Checked by :

K.W. LIU

Approved Signatory:

LAW WAI KIN
Technical Manager

Form No. CUBE.C5/25 DD4/11/2002

Code:9091267

End of Report

香港粉嶺安居街33號

33, On Kui Street, Fanling, Hong Kong.

Tel: 2677 2138

香港粉嶺安全街29A號

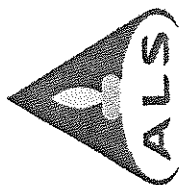
29A, On Chuen Street, Fanling, Hong Kong.

Fax: 2677 0351

E-mail: castco@netvigator.com Website: www.castco.com.hk

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 3
Contact	: MR ERIC WONG	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1001318
Address	: FLAT A, BLOCK 2, 6/F, KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Erickkwong7@yahoo.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	Quote number	: HK/403b/2008**	Date Samples Received	: 16-JAN-2010
Order number	: ----			Issue Date	: 09-MAR-2010
C-O-C number	: H010280			No. of samples received	: 2
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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is:

22-JAN-2010

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: HK1001318

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.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98.

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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.

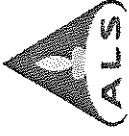
Signatories

Fung Lim Chee, Richard

Position

General Manager

Authorised results for
Inorganics

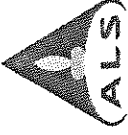


Page Number : 2 of 3
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001318

Analytical Results

Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	Client sample ID		Unit
		LOR	Client sampling date / time	
EG: Metals and Major Cations - Filtered				
EG020: Cadmium	7440-43-9	0.02	B-17-15-01-10 AREA H GFSD-03 T2 [16-JAN-2010]	mg/L
EG020: Cobalt	7440-48-4	0.1	HK1001318-002	mg/L
EG020: Nickel	7440-02-0	0.1		mg/L
Sample Preparation Method				
E-TCLP: Extraction Fluid Number				1



Laboratory Duplicate (DUP) Report

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1227645)									
HK1001318-002	B-17-15-01-10 AREA H		EG020: Cadmium	7440-43-9	0.02	mg/L	<0.02	<0.02	0.0
	GFSD-03 T2		EG020: Cobalt	7440-48-4	0.1	mg/L	<0.1	<0.1	0.0
			EG020: Nickel	7440-02-0	0.1	mg/L	<0.1	<0.1	0.0

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

Method Blank (MB) Report										
Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report										
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 1227645)										
EG020: Cadmium	7440-43-9	0.0002	mg/L	<0.02	1 mg/L	96.6	---	85	115	---
EG020: Cobalt	7440-48-4	0.001	mg/L	<0.1	1 mg/L	94.3	---	85	115	---
EG020: Nickel	7440-02-0	0.001	mg/L	<0.1	1 mg/L	94.7	---	85	115	---

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

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 1227645)									
HK1001263-006	Anonymous	EG020: Cadmium	7440-43-9	1 mg/L	98.5	96.9	75	125	1.6
		EG020: Cobalt	7440-48-4	1 mg/L	92.3	96.1	75	125	4.0
		EG020: Nickel	7440-02-0	1 mg/L	93.6	95.2	75	125	1.6

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS TECHNICHEM (HK) Pty Ltd
Environmental Division



CERTIFICATE OF ANALYSIS

CONTACT:	MR ERIC WONG	Batch:	HK1001318
CLIENT:	KIN WING CONSTRUCTION COMPANY LIMITED	LABORATORY:	HONG KONG
ADDRESS:	FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN,, HONG KONG	DATE RECEIVED:	16/01/2010
PROJECT ID:	CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	DATE OF ISSUE:	08/03/2010
		SAMPLE TYPE:	CONCRETE
		No. of SAMPLES:	1
		ORDER:	KL/2008/02

COMMENTS

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Concrete sample(s) analysed on an as received basis.
Determination of Compressive Strength on concrete was subcontracted and tested by Castco Testing Centre Ltd.
Castco Testing Centre Ltd details report was attached. The attached report contains a total of 1 page.


Sample Details

<i>ALS Lab ID</i>	<i>Sample ID</i>	<i>Date of Sampling</i>
HK1001318 - 1	B17-15-01-10 (GFSD-03)	15/01/2010

ISSUING LABORATORY: HONG KONG

Address
ALS Technichem (HK) Pty Ltd
11/F Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung

Phone: 852-2610 1044
Fax: 852-2610 2021
Email: hongkong@alsenviro.com


Mr. Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

Other ALS Environmental Laboratories

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Sydney
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Hong Kong
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Kuala Lumpur
Bogor

AMERICAS

Vancouver
Santiago
Atofagasta
Lima

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Abbreviations: % SPK REC denotes percentage spike recovery
CHK denotes duplicate check sample
LOR denotes limit of reporting
LCS % REC denotes Laboratory Control Sample percentage recovery

ALS Technichem (HK) Pty Ltd
Part of the **ALS Laboratory Group**

11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., H.K.
Phone: 852-2610 1044 Fax: 852-2610 2021 www.alsenviro.com
A Campbell Brothers Limited Company



CONCRETE CUBE COMPRESSIVE STRENGTH TEST REPORT

Tests were carried out in accordance with CS1 : 1990 Volume 2 Section 12.(AMD 1201,1202 & 1203)

Date of Issue :- 19/02/2010

Page 1 of 1

Castco Lab. Ref. No.:- CU0100120-65

1. SAMPLE DETAILS AS SUPPLIED BY CLIENT

Client:- ALS TECHNICHEM (HK) PTY LTD.

Address:- 11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong.

Contract No.:-

Job Title :- CONTRACT KL 2008 02 DECOMMISSIONING OF KAI TAK AIRPORT

Location in works of concrete batch sampled:-

Concrete mix ID:-

Grade :- LIGHT WEIGHT CONC.

Designed/Measured Slump:- / -- mm

W/C ratio :-

A/C ratio :-

Cement content (OPC/PFA):- /--kg/m³

Supplier :-

Plant :-

Source of coarse aggregate :-

Cement brand :-

Source of fine aggregate :-

Admixture brand :-

Dosage :-

Date of sampling :- 15/01/2010 Time of water added to cement :-

Place of sampling :- ON SITE

Place and time of making cubes :- ON SITE

No. of cubes :- 1

Name of person making cubes :-

Method of compaction :-

Nominal size :- 150 mm

Test at :- 28 days

Site curing method:-

Max./Min. temp.:- / -- °C

2. CERTIFICATE OF SAMPLING, SLUMP TEST, CUBE MAKING AND CURING

A certificate of sampling, slump test, cube make and curing is available and a copy is attached. is not available.

3. LABORATORY TEST RESULT

Date received :- 20/01/2010

Date of test :- 12/02/2010

Age at test :- 28 days

Laboratory curing method :-

Moisture condition at test :- DRY

Tank No.:-

Max./Min. temp.:- / -- °C

Housing Laboratory reference no.						
Cube Mark	T1	--	--	--	--	--
Mould no.	NA	--	--	--	--	--
Mass in air kg	6.325	--	--	--	--	--
Mass in water kg	--	--	--	--	--	--
Measured dimensions in mm	Height	150.2	--	--	--	--
	Width	149.9	--	--	--	--
	Length	150.8	--	--	--	--
As Received Density (kg/m ³)	Vol. by calculation	1860	--	--	--	--
	Vol. by water disp.	--	--	--	--	--
Load at failure kN	195.5	--	--	--	--	--
Compressive strength MPa	8.5	--	--	--	--	--
Observation code	--	--	--	--	--	--

Observation Legend :

A - Dry on receipt; B - Irregular shape; C - Damaged corners; D - Damaged edges; E - Oversize; F - Undersize;
G - Segregation; H - Honeycombing; I - Voids; J - Abnormal fracture;

Remark : 1. Test result relates only to the specimen tested. Loading rate 22 MPa/minute.

2. Laboratory curing commenced from date cubes received.

3. The time of water added to cement has not been given by client, the exact age at test is therefore not determined to Cl.10.4 of CS1:1990.

4. The sampling and making of cubes are not performed by the laboratory.

Checked by :

K.W. LIU

Approved Signatory:

LAW WAI KIN
Technical Manager

Form No. CUBE.CSV25 DD4/11/2002

Code:9091267

End of Report

香港粉嶺安居街33號

33, On Kui Street, Fanling, Hong Kong.

Tel: 2677 2138

香港粉嶺安全街29A號

29A, On Chuen Street, Fanling, Hong Kong.

Fax: 2677 0351

E-mail: castco@netvigator.com Website: www.castco.com.hk

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS TECHNICHEM (HK) Pty Ltd
Environmental Division



CERTIFICATE OF ANALYSIS

CONTACT:	MR ERIC WONG	Batch:	HK0926438
CLIENT:	KIN WING CONSTRUCTION COMPANY LIMITED	LABORATORY:	HONG KONG
ADDRESS:	FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN,, HONG KONG	DATE RECEIVED:	10/12/2009
		DATE OF ISSUE:	07/01/2010
		SAMPLE TYPE:	CONCRETE
PROJECT ID:	CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	No. of SAMPLES:	1
		ORDER:	KL/2008/02

COMMENTS

Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.
Concrete sample(s) analysed on an as received basis.
Determination of Compressive Strength on concrete was subcontracted and tested by Castco Testing Centre Ltd.
Castco Testing Centre Ltd details report was attached. The attached report contains a total of 1 page.

Sample Details

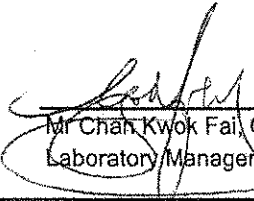
ALS Lab ID	Sample ID	Date of Sampling
HK0926438 - 1	B12-19-11-09 (GFSD-04)	19/11/2009

ISSUING LABORATORY: HONG KONG

Address

ALS Technichem (HK) Pty Ltd
11/F Chung Shun Knitting Centre
1-3 Wing Yip Street
Kwai Chung

Phone: 852-2610 1044
Fax: 852-2610 2021
Email: hongkong@alsenviro.com


Mr Chan Kwok Fai, Godfrey
Laboratory Manager - Hong Kong

Other ALS Environmental Laboratories

AUSTRALIA

Brisbane
Melbourne
Sydney
Newcastle

Hong Kong
Singapore
Kuala Lumpur
Bogor

AMERICAS

Vancouver
Santiago
Arimotagasta
Lima

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Abbreviations: % SPK REC denotes percentage spike recovery
CHK denotes duplicate check sample
LOR denotes limit of reporting
LCS % REC denotes Laboratory Control Sample percentage recovery

ALS Technichem (HK) Pty Ltd

Part of the **ALS Laboratory Group**
11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., H.K.
Phone: 852-2610 1044 Fax: 852-2610 2021 www.alsenviro.com
A Campbell Brothers Limited Company



佳力高試驗中心有限公司
CASTCO TESTING CENTRE LTD.

香港粉嶺安居街33號 33, On Kui Street, Fanling, Hong Kong. Tel: 2677 2138
香港粉嶺安全街29A號 29A, On Chuen Street, Fanling, Hong Kong. Fax: 2677 0351
E-mail: castco@netvigator.com Website: www.castco.com.hk



HOKLAS 052

CONCRETE CUBE COMPRESSIVE STRENGTH TEST REPORT

Tests were carried out in accordance with CS1 : 1990 Volume 2 Section 12.(AMD 1201,1202 & 1203)

Date of Issue :- 18/12/2009

Page 1 of 1

Castco Lab. Ref. No.:- CU0091216-11

1. SAMPLE DETAILS AS SUPPLIED BY CLIENT

Client:- ALS TECHNICHEM (HK) PTY LTD.

Address:- 11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong.

Contract No.:-

Job Title :- CONTRACT KL 2008 02 DECOMMISSIONING OF KAI TAK AIRPORT

Location in works of concrete batch sampled:-

Concrete mix ID:-

Grade :-

Designed/Measured Slump:- / mm

W/C ratio :-

A/C ratio :-

Cement content (OPC/PFA):- /-kg/m³

Supplier :-

Plant :-

Source of coarse aggregate :-

Cement brand :-

Source of fine aggregate :-

Admixture brand :-

Dosage :-

Date of sampling :- 19/11/2009 Time of water added to cement :-

Place of sampling :- ON SITE

Place and time of making cubes :- ON SITE

No. of cubes :- 1

Name of person making cubes :-

Method of compaction :-

Nominal size :- 150 mm

Test at :- 28 days

Site curing method:-

Max./Min. temp.:- /- °C

2. CERTIFICATE OF SAMPLING, SLUMP TEST, CUBE MAKING AND CURING

A certificate of sampling, slump test, cube make and curing [] is available and a copy is attached.

[X] is not available.

3. LABORATORY TEST RESULT

Date received :- 16/12/2009

Date of test :- 17/12/2009

Age at test :- 28 days

Laboratory curing method :- WATER TANK

Moisture condition at test :- WET

Tank No.:- G

Max./Min. temp.:- 30.0 / 24.0 °C

Housing Laboratory reference no.						
Cube Mark - B12-19-11-09(GFSD-04)		T1	--	--	--	--
Mould no.		NA	--	--	--	--
Mass in air	kg	6.720	--	--	--	--
Mass in water	kg	--	--	--	--	--
Measured dimensions in mm	Height	150.3	--	--	--	--
	Width	151.0	--	--	--	--
	Length	150.8	--	--	--	--
As-received Density (kg/m ³)	Vol. by calculation	1960	--	--	--	--
	Vol. by water disp.	--	--	--	--	--
Load at failure	kN	88.0	--	--	--	--
Compressive strength	MPa	4.0	--	--	--	--
Observation code		--	--	--	--	--

Observation Legend :

A - Dry on receipt; B - Irregular shape; C - Damaged corners; D - Damaged edges; E - Oversize; F - Undersize;
G - Segregation; H - Honeycombing; I - Voids; J - Abnormal fracture;

Remark : 1. Test result relates only to the specimen tested. Loading rate 22 MPa/minute.

2. Laboratory curing commenced from date cubes received.

3. The time of water added to cement has not been given by client, the exact age at test is therefore not determined to Cl.10.4 of CS1:1990.

4. The sampling and making of cubes are not performed by the laboratory.

Checked by :

Approved Signatory:

Form No. CUBE.CSV2SA dd4/11/2002

Code:9091267

End of Report

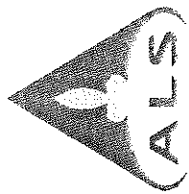
LAW WAI KIN
Technical Manager

Contract No. : KL/2008/02	Revision No. : 1
Title: Remediation Report for Ex-GFS Building	Effective Date : 05 May 2010

Appendix D

**Analytical Results of Laboratory
Tests for Confirmatory Sampling**

ALS Technichem (HK) Pty Ltd



ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

Client : KIN WING CONSTRUCTION COMPANY LIMITED
Contact : MR ERIC WONG
Address : FLAT A, BLOCK 2, 6/F.,
KIN HO INDUSTRIAL BUILDING,
14-24 AU PUI WAN STREET,
FOTAN, SHATIN, HONG KONG
E-mail : Erickkwong7@yahoo.com.hk
Telephone : +852 2785 8152
Facsimile : +852 2725 9316
Project : CONTRACT KL_2008_02
DECOMMISSIONING OF KAI TAK AIRPORT
Order number : ----
C-O-C number : H004938
Site : ----

Laboratory : ALS Technichem HK Pty Ltd
Page : 1 of 5
Contact : Wong Wai Man, Alice
Address : 11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
E-mail : Alice.Wong@alsenviro.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : ----

Work Order : HK0910651
Date Samples Received : 29-MAY-2009
Issue Date : 09-JUN-2009
No. of samples received : 5
No. of samples analysed : 5

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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.

Signalories

W Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company



Page Number : 2 of 5
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK0910651

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 04-JUN-2009
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: HK0910651

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

Water sample(s) were filtered prior to dissolved metal analysis.

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

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

Sample(s) as received, digested by in-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.



Analytical Results

Sub-Matrix: SOIL

Compound	CAS Number	LOR	Unit	Client sample ID	Client sampling date / time
EA/ED: Physical and Aggregate Properties					
EA055: Moisture Content (dried @ 103°C)		---	%	G1-G2/BBC	2.65M/29-05-09
EG: Metals and Major Cations					
EG020: Copper	7440-50-8	1	mg/kg	G1-G2/BBC	2.65M/29-05-09
				G2-G3/BBC	2.65M/29-05-09
				G3-G4/BBC	2.65M/29-05-09
				G4-G1/BBC	2.65M/29-05-09

						21.0	1
						21.7	2
						23.1	2
						22.2	1



Page Number : 4 of 5
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK0910651

Sub-Matrix: WATER

Client sample ID : ZONE G/BBC
2.65M/WATER/
29-05-09
Client sampling date / time : [29-MAY-2009]
CAS Number : LOR
Unit : HK0910651-005

Compound

EG: Metals and Major Cations - Filtered

EG020: Copper

CAS Number : 7440-50-8
Unit : 1
µg/L : <1



Laboratory Duplicate (DUP) Report

Matrix: SOIL		Laboratory Duplicate (DUP) Report	
Laboratory sample ID	Client sample ID	Method: Compound	Unit
EAIED: Physical and Aggregate Properties (QC Lot: 996339)			
HK0910563-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	%
			Original Result
			20.4
			Duplicate Result
			20.4
			RPD (%)
			0.0
EG: Metals and Major Cations (QC Lot: 996341)			
HK0910344-002	Anonymous	EG020: Copper	mg/kg
			Recovery Limits (%)
			Low
			3
			High
			3
			RPD (%)
			0.0

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

Matrix: SOIL		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report	
Method: Compound	CAS Number	Unit	Result
EG: Metals and Major Cations (QC Lot: 996341)			
EG020: Copper	7440-50-8	1 mg/kg	<1
			Method Blank (MB) Report
			Recovery Limits (%)
			Low
			85
			High
			115
			RPD (%)

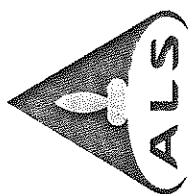
Matrix: WATER		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report	
Method: Compound	CAS Number	Unit	Result
EG: Metals and Major Cations - Filtered (QC Lot: 996350)			
EG020: Copper	7440-50-8	1 µg/L	<1
			Method Blank (MB) Report
			Recovery Limits (%)
			Low
			85
			High
			115
			RPD (%)

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

Matrix: SOIL		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report	
Laboratory sample ID	Client sample ID	Method: Compound	Unit
EG: Metals and Major Cations (QC Lot: 996341)			
HK0910344-001	Anonymous	EG020: Copper	mg/kg
			Spike Concentration
			5 mg/kg
			MS
			MSD
			Recovery Limits (%)
			Low
			75
			High
			125
			RPD (%)

Matrix: WATER		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report	
Laboratory sample ID	Client sample ID	Method: Compound	Unit
EG: Metals and Major Cations - Filtered (QC Lot: 996350)			
HK0910651-005	ZONE GBBC 2.65M/WATER/ 29-05-09	EG020: Copper	µg/L
			Spike Concentration
			100 µg/L
			MS
			MSD
			Recovery Limits (%)
			Low
			75
			High
			125
			RPD (%)

ALS Technichem (HK) Pty Ltd



ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

Client : KIN WING CONSTRUCTION COMPANY LIMITED
Contact : MR ERIC WONG
Address : FLAT A, BLOCK 2, 6/F.,
KIN HO INDUSTRIAL BUILDING,
14-24 AU PUI WAN STREET,
FOTAN, SHATIN, HONG KONG
E-mail : Erickkwong7@yahoo.com.hk
Telephone : +852 2785 8152
Facsimile : +852 2725 9316
Project : CONTRACT KL_2008_02
DECOMMISSIONING OF KAI TAK AIRPORT
Order number : ----
C-O-C number : H004939
Site : ----

Laboratory : ALS Technichem HK Pty Ltd
Contact : Wong Wai Man, Alice
Address : 1/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
E-mail : Alice.Wong@alsenviro.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : ----

Page : 1 of 3
Work Order : HK0911206
Date Samples Received : 05-JUN-2009
Issue Date : 17-JUN-2009
No. of samples received : 4
No. of samples analysed : 4

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 15-JUN-2009
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: HK0911206

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.

Sample(s) as received, digested by In-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.

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Signatories

Y Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd

1/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong

Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company



Analytical Results

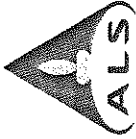
Sub-Matrix: SOIL

Compound	CAS Number	LOR	Unit	Client sample ID	Client sampling date / time
EA055: Moisture Content (dried @ 103°C)	---	0.1	%	B1-B2/BBC1.0M/04-06 B2-B3/BBC1.0M/04-06 B3-B4/BBC1.0M/04-06 B4-B1/BBC1.0M/04-06	[04-JUN-2009] [04-JUN-2009] [04-JUN-2009] [04-JUN-2009]
EG: Metals and Major Cations	7440-66-6	1	mg/kg		
EG020: Zinc					

-09
 [04-JUN-2009] [04-JUN-2009] [04-JUN-2009] [04-JUN-2009]
 HK0911206-001 HK0911206-002 HK0911206-003 HK0911206-004

10.5 11.2 10.5 11.8

49 80 52 54



Laboratory Duplicate (DUP) Report

Matrix: SOIL		Laboratory Duplicate (DUP) Report	
Laboratory sample ID	Client sample ID	Method: Compound	Unit
EA/ED: Physical and Aggregate Properties (QC Lot: 1005860)			
HK0911206-001	B1-B2/BBC1.0M/04-06-09	EA055: Moisture Content (dried @ 103°C)	%
HK0911405-004	Anonymous	EA055: Moisture Content (dried @ 103°C)	%
EG: Metals and Major Cations (QC Lot: 1003407)			
HK0911206-002	B2-B3/BBC1.0M/04-06-09	EG020: Zinc	mg/kg
HK0911250-010	Anonymous	EG020: Zinc	mg/kg

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

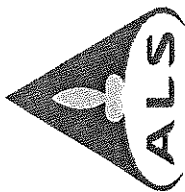
Matrix: SOIL		Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report	
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration
EG: Metals and Major Cations (QC Lot: 1003407)					
EG020: Zinc	7440-66-6	1	mg/kg	<1	5 mg/kg

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

Matrix: SOIL		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report	
Laboratory sample ID	Client sample ID	Method: Compound	Unit
EG: Metals and Major Cations (QC Lot: 1003407)			
HK0911206-001	B1-B2/BBC1.0M/04-06-09	EG020: Zinc	mg/kg

Laboratory Duplicate (DUP) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report	
Original Result	Duplicate Result	Recovery Limits (%)	High	Low	High
10.5	10.9	85	115	75	125
46.6	49.3				
80	81				
56	50				

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report		Recovery Limits (%)		Control Limit	
MS	MSD	Low	High	Value	Control Limit
# Not Determined		75	125		



CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 6
Contact	: MR ERIC WONG	Contact	: Wong Wai Man, Alice	Work Order	: HK0911405
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Erickkwong7@yahoo.com.hk	E-mail	: Alice.Wong@alsenviro.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044	Date Samples Received	: 08-JUN-2009
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021	Issue Date	: 17-JUN-2009
Project	: CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	Quote number	: ---	No. of samples received	: 5
Order number	: ---			No. of samples analysed	: 5
C-O-C number	: H006124				
Site	: ---				

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Signatories

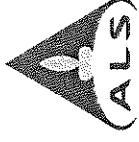
Mr Fung Lim Chee, Richard *ASJ*

Position

General Manager

Authorised results for

Inorganics



Page Number : 2 of 6
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK0911405

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 16-JUN-2009
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: HK0911405

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.

Sample(s) as received, digested by in-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.

Water sample(s) were filtered prior to dissolved metal analysis.



Page Number : 3 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0911405

Analytical Results

Sub-Matrix: SOIL

Client sample ID	E1-E2/BBC	E2-E3/BBC	E3-E4/BBC	E4-E1/BBC
2.95M/08-06-09	2.95M/08-06-09	2.95M/08-06-09	2.95M/08-06-09	2.95M/08-06-09
[08-JUN-2009]	[08-JUN-2009]	[08-JUN-2009]	[08-JUN-2009]	[08-JUN-2009]
CAS Number	HK0911405-001	HK0911405-002	HK0911405-003	HK0911405-004

EA/ED: Physical and Aggregate Properties

EA055: Moisture Content (dried @ 103°C)

EG: Metals and Major Cations

EG020: Cadmium

EG020: Lead

Client sampling date / time	LOR	Unit	%	mg/kg	mg/kg
0.1	0.2	1	27.6	1.2	192
38.4	5.5	460	30.9	1.8	88
46.6	7.6	2810			



Page Number : 4 of 6

Client : KIN WING CONSTRUCTION COMPANY LIMITED

Work Order : HK0911405

Sub-Matrix: WATER

Client sample ID

E2-E3/BBC

2.95M/WATER/08-06-0

9

Client sampling date / time [08-JUN-2009]

CAS Number LOR Unit HK0911405-005

Compound

EG: Metals and Major Cations - Filtered

EG020: Cadmium

EG020: Lead

7440-43-9 0.2 µg/L <0.2

7439-92-1 1 µg/L 2



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EATED: Physical and Aggregate Properties (QC Lot: 1005860)								
HK0911206-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	10.5	10.9	3.9
HK0911405-004	E4-E1/BBC 2.95M/08-06-09	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	46.6	49.3	5.6
EG: Metals and Major Cations (QC Lot: 1005857)								
HK0911405-002	E2-E3/BBC 2.95M/08-06-09	EG020: Cadmium	7440-43-9	0.2	mg/kg	1.8	2.1	15.3
		EG020: Lead	7439-92-1	1	mg/kg	88	95	7.5

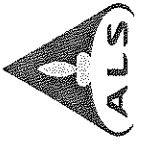
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1005873)								
HK0911335-002	Anonymous	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
		EG020: Lead	7439-92-1	1	µg/L	<1	<1	0.0

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

Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Spike Recovery (%)	Recovery Limits (%)	Value	Control Limit	RPD (%)
Method Blank (MB) Report												
EG: Metals and Major Cations (QC Lot: 1005857)												
EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	5 mg/kg	88.2	---	85	115	---	---	---
EG020: Lead	7439-92-1	1	mg/kg	<1	5 mg/kg	86.4	---	85	115	---	---	---
Method Blank (MB) Report												
EG: Metals and Major Cations (QC Lot: 1005873)												
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	100 µg/L	99.7	---	85	115	---	---	---
EG020: Lead	7439-92-1	1	µg/L	<1	100 µg/L	104	---	85	115	---	---	---

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

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Matrix Spike Recovery (%)	Recovery Limits (%)	Value	Control Limit	RPD (%)
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report											
EG: Metals and Major Cations (QC Lot: 1005857)											
HK0911405-001	E1-E2/BBC 2.95M/08-06-09	EG020: Cadmium	7440-43-9	5 mg/kg	85.0	---	75	125	---	---	---
		EG020: Lead	7439-92-1	5 mg/kg	# Not Determined	---	75	125	---	---	---
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report											
Matrix: WATER											



Matrix: WATER

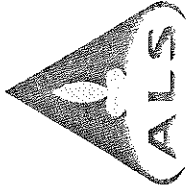
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Recovery Limits (%)	High	Value	RPD (%)	Control Limit
----------------------	------------------	------------------	------------	---------------------	----	-----	---------------------	------	-------	---------	---------------

EG: Metals and Major Cations - Filtered (QC Lot: 1005873)

HK0911335-001	Anonymous	EG020: Cadmium	7440-43-9	100 µg/L	100	---	75	125	---	---	---
		EG020: Lead	7439-92-1	100 µg/L	101	---	75	125	---	---	---

ALS Technichem (HK) Pty Ltd



ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

Client : KIN WING CONSTRUCTION COMPANY LIMITED
Contact : MR ERIC WONG
Address : FLAT A, BLOCK 2, 6/F.,
KIN HO INDUSTRIAL BUILDING,
14-24 AU PUI WAN STREET,
FOTAN, SHATIN, HONG KONG
E-mail : Erickkwong7@yahoo.com.hk
Telephone : +852 2785 8152
Facsimile : +852 2725 9316
Project : CONTRACT KL_2008_02
DECOMMISSIONING OF KAI TAK AIRPORT
Order number : ----
C-O-C number : H006125
Site : ----

Laboratory : ALS Technichem HK Pty Ltd
Contact : Wong Wai Man, Alice
Address : 11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
E-mail : Alice.Wong@alsenviro.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : ----

Page : 1 of 5
Work Order : HK0911962

Date Samples Received : 15-JUN-2009
Issue Date : 24-JUN-2009
No. of samples received : 5
No. of samples analysed : 5

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Signatories

Fung Lim Chee, Richard

Position

General Manager

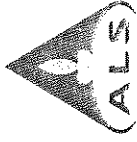
Authorised results for

Inorganics

ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
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A Campbell Brothers Limited Company



Page Number : 2 of 5
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK0911962

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 23-JUN-2009
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: HK0911962

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.

Sample(s) as received, digested by in-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.



Page Number : 4 of 5
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0911962

Sub-Matrix: WATER

Client sample ID : ZONE FIBBC
 2.25M/WATER/
 15-06-09
 [15-JUN-2009]
 HK0911962-005

Client sampling date / time

CAS Number : LOR : Unit

EG: Metals and Major Cations - Filtered

Compound	CAS Number	LOR	Unit
EG020: Lead	7439-92-1	1	µg/L
			2



Laboratory Duplicate (DUP) Report

Matrix: SOIL		Method: Compound		Laboratory Duplicate (DUP) Report			
Laboratory sample ID	Client sample ID	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1013443)							
HK0911962-001	F1-F2/BBC 2.25M/15-06-09	EA055: Moisture Content (dried @ 103°C)	0.1	%	17.2	17.2	0.0
EG: Metals and Major Cations (QC Lot: 1012777)							
HK0911962-002	F2-F3/BBC 2.25M/15-06-09	EG020: Lead	1	mg/kg	91	105	14.4

Matrix: WATER		Method: Compound		Laboratory Duplicate (DUP) Report			
Laboratory sample ID	Client sample ID	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1018510)							
HK0911999-005	Anonymous	EG020: Lead	1	µg/L	<1	<1	0.0

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

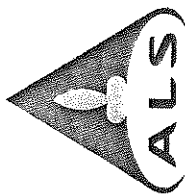
Matrix: SOIL		Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report									
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	LCS	DCS	Recovery Limits (%)	Low	High	Value	Control Limit
EG: Metals and Major Cations (QC Lot: 1012777)													
EG020: Lead	7439-92-1	1	mg/kg	<1	5 mg/kg	89.3	89.3	---	85	115	---	---	---
Matrix: WATER													
Method Blank (MB) Report													
EG: Metals and Major Cations - Filtered (QC Lot: 1018510)													
EG020: Lead	7439-92-1	1	µg/L	<1	100 µg/L	94.3	94.3	---	85	115	---	---	---

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

Matrix: SOIL		Method: Compound		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report									
Laboratory sample ID	Client sample ID	CAS Number	LOR	Unit	Result	Spike Concentration	MS	MSD	Recovery Limits (%)	Low	High	Value	Control Limit
EG: Metals and Major Cations (QC Lot: 1012777)													
HK0911962-001	F1-F2/BBC 2.25M/15-06-09	EG020: Lead	1	µg/L	<1	5 mg/kg	# Not Determined	---	75	125	---	---	---
Matrix: WATER													
Method: Compound													
EG: Metals and Major Cations - Filtered (QC Lot: 1018510)													
HK0911962-005	ZONE F/BBC 2.25M/WATER/15-06-09	EG020: Lead	1	µg/L	91.0	100 µg/L	91.0	---	75	125	---	---	---

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : KIN WING CONSTRUCTION COMPANY LIMITED
Laboratory : ALS Technichem HK Pty Ltd Page : 1 of 3

Contact : MR ERIC WONG
Contact : Chan Kwok Fai, Godfrey Work Order : HK0912630

Address : FLAT A, BLOCK 2, 6/F.,
KIN HO INDUSTRIAL BUILDING,
14-24 AU PUI WAN STREET,
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Address : 1/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
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E-mail : Erickkwong7@yahoo.com.hk
E-mail : Godfrey.Chan@alsenviro.com

Telephone : +852 2785 8152
Telephone : +852 2610 1044

Facsimile : +852 2725 9316
Facsimile : +852 2610 2021

Project : CONTRACT_KL_2008_02
Quote number : ----

Order number : ----
Date Samples Received : 23-JUN-2009

C-O-C number : H006126
Issue Date : 06-JUL-2009

Site : ----
No. of samples received : 4
No. of samples analysed : 4

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 29-JUN-2009
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: HK0912630

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.

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Signatories

Anh Ngoc Huynh
Fung Lim Chee, Richard

Position

Senior Chemist
General Manager

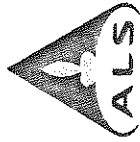
Authorised results for

Organics
Inorganics

ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd
1/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

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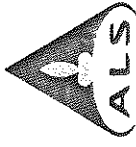
Analytical Results

Sub-Matrix: SOIL

Compound	CAS Number	LOR	Client sampling date / time		Unit	Client sample ID	
			---	0.1		11.3	11.9
EA/ED: Physical and Aggregate Properties							
EA055: Moisture Content (dried @ 103°C)							
EP-075B: Polyaromatic Hydrocarbons (PAHs)							
Phenanthrene	85-01-8	0.5			mg/kg	<0.5	<0.5
Fluoranthene	206-44-0	0.5			mg/kg	<0.5	<0.5
Pyrene	129-00-0	0.5			mg/kg	<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5			mg/kg	<0.5	<0.5
EP-075S: Acid Extractable Surrogates							
2-Fluorophenol	367-12-4	0.1			%	87.1	93.1
Phenol-d6	13127-88-3	0.1			%	66.4	67.0
2,4,6-Tribromophenol	118-79-6	0.1			%	75.1	76.8
EP-075T: Base/Neutral Extractable Surrogates							
Nitrobenzene -d5	4165-60-0	0.1			%	61.4	60.5
2-Fluorobiphenyl	321-60-8	0.1			%	79.8	81.4
4-Terphenyl-d14	1718-51-0	0.1			%	105	100

Surrogate control limits listed at end of this report.

Surrogate control limits listed at end of this report.



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EATED: Physical and Aggregate Properties (QC Lot: 1020783)								
HK0912450-002	Anonymous	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	16.0	16.0	0.0
EP-075B: Polyaromatic Hydrocarbons (PAHs) (QC Lot: 1020239)								
HK0912450-002	Anonymous	Phenanthrene	85-01-8	0.5	mg/kg	2.0	1.9	0.0
		Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	0.0
		Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	0.0
		Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	0.0

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

Matrix: SOIL										
Method Blank (MB) Report										
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Control Limit
EP-075B: Polyaromatic Hydrocarbons (PAHs) (QC Lot: 1020239)										
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	0.25 mg/kg	89.0	72	108	72	108
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	0.25 mg/kg	91.8	65	108	65	108
Pyrene	129-00-0	0.5	mg/kg	<0.5	0.25 mg/kg	90.8	66	109	66	109
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	0.25 mg/kg	79.9	58	115	58	115

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

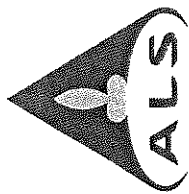
• No Matrix Spike (MS) or Matrix Spike Duplicate (MSD) Results are required to be reported.

Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP-075S: Acid Extractable Surrogates			
2-Fluorophenol	367-12-4	25	121
Phenol-d6	13127-88-3	24	113
2,4,6-Tribromophenol	118-79-6	20	122
EP-075T: Base/Neutral Extractable Surrogates			
Nitrobenzene -d5	4165-60-0	23	120
2-Fluorobiphenyl	321-60-8	30	115
4-Terphenyl-d14	1718-51-0	20	137

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES




CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 6
Contact	: MR ERIC WONG	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK0912998
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, HONG KONG	Address	: 1/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Erickkwong7@yahoo.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044	Date Samples Received	: 26-JUN-2009
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021	Issue Date	: 10-JUL-2009
Project	: CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	Quote number	: ----	No. of samples received	: 6
Order number	: ----			No. of samples analysed	: 6
C/O-C number	: H006129				
Site	: ----				

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Signature: 
Fung Lim Chee, Richard

Position: General Manager
Authorised results for: Inorganics



Page Number : 2 of 6
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK0912998

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 06-JUL-2009
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: HK0912998

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.

Soil sample(s) as received, digested by in-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.



Page Number : 3 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0912998

Analytical Results

Sub-Matrix: SOIL

Client sample ID	Client sampling date / time	Unit	CAS Number	LOD	Unit
E4-E1 (R1) O/S 2.0M/BBC 2.35M/ 25-06-09 [25-JUN-2009]	25-06-09 [25-JUN-2009]	%	7440-43-9	0.1	%
E3-E4 (R1) O/S 1.0M/BBC 2.15M/ 25-06-09 [25-JUN-2009]	25-06-09 [25-JUN-2009]	mg/kg	7439-92-1	0.2	mg/kg
E1-E2 (R1) O/S 1.0M/BBC 2.15M/ 25-06-09 [25-JUN-2009]	25-06-09 [25-JUN-2009]	mg/kg		1	mg/kg

Compound

EA/ED: Physical and Aggregate Properties

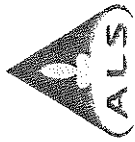
EA055: Moisture Content (dried @ 103°C)

EG: Metals and Major Cations

EG020: Cadmium

EG020: Lead

14.5	18.1	16.6
<0.2	<0.2	<0.2
52	138	95



Page Number : 4 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0912998

Sub-Matrix: WATER

Client sample ID	E1-E2/WATER/BBC	E-ZONE	E1-E2
2.15M/25-06-09	FIELD/25-06-09	EQUIPMENT/25-06-09	
[25-JUN-2009]	[25-JUN-2009]	[25-JUN-2009]	
HK0912998-004	HK0912998-005	HK0912998-006	

Compound

EG: Metals and Major Cations - Filtered

EG020: Cadmium

EG020: Lead

CAS Number	LOD	Unit	Result
7440-43-9	0.2	µg/L	0.2
7439-92-1	1	µg/L	5
			<0.2
			<1



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
E/ED: Physical and Aggregate Properties (QC Lot: 1028932)								
HK0912998-001	E4-E1 (R1) O/S 2.0M/BBC 2.35M/ 25-06-09	EA055: Moisture Content (dried @ 103°C)	---	0.1	%	14.5	14.6	1.1
EG: Metals and Major Cations (QC Lot: 1027792)								
HK0912639-002	Anonymous	EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	<0.2	0.0
		EG020: Lead	7439-92-1	1	mg/kg	44	53	19.3
HK0913028-005	Anonymous	EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	<0.2	0.0
		EG020: Lead	7439-92-1	1	mg/kg	24	27	9.8

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
Matrix: WATER								
EG: Metals and Major Cations - Filtered (QC Lot: 1027747)								
HK0912998-005	E-ZONE FIELD/25-06-09	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
		EG020: Lead	7439-92-1	1	µg/L	<1	<1	0.0

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

Method: Compound	CAS Number	LOR	Unit	Spike Concentration	LCS	Spike Recovery (%)	DCS	Recovery Limits (%)	Low	High	Value	Control Limit
Method Blank (MB) Report												
EG: Metals and Major Cations (QC Lot: 1027792)												
EG020: Cadmium	7440-43-9	0.2	mg/kg	5 mg/kg	89.7	<0.2	---	85	85	115	---	---
EG020: Lead	7439-92-1	1	mg/kg	5 mg/kg	88.7	<1	---	85	85	115	---	---
Method Blank (MB) Report												
Matrix: WATER												
Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report												
Method: Compound	CAS Number	LOR	Unit	Spike Concentration	LCS <td>Spike Recovery (%) <td>DCS <td>Recovery Limits (%) <td>Low <td>High <td>Value <td>Control Limit</td> </td></td></td></td></td></td>	Spike Recovery (%) <td>DCS <td>Recovery Limits (%) <td>Low <td>High <td>Value <td>Control Limit</td> </td></td></td></td></td>	DCS <td>Recovery Limits (%) <td>Low <td>High <td>Value <td>Control Limit</td> </td></td></td></td>	Recovery Limits (%) <td>Low <td>High <td>Value <td>Control Limit</td> </td></td></td>	Low <td>High <td>Value <td>Control Limit</td> </td></td>	High <td>Value <td>Control Limit</td> </td>	Value <td>Control Limit</td>	Control Limit
EG: Metals and Major Cations (QC Lot: 1027792)												
EG020: Cadmium	7440-43-9	0.2	µg/L	100 µg/L	100	<0.2	---	85	85	115	---	---
EG020: Lead	7439-92-1	1	µg/L	100 µg/L	97.9	<1	---	85	85	115	---	---

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

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	Spike Recovery (%)	MSD	Recovery Limits (%)	Low	High	Value	Control Limit
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report												
EG: Metals and Major Cations (QC Lot: 1027792)												
HK0912639-001	Anonymous	EG020: Cadmium	7440-43-9	5 mg/kg	95.9	---	---	75	75	125	---	---
		EG020: Lead	7439-92-1	5 mg/kg	# Not Determined	---	---	75	75	125	---	---
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report												
Matrix: WATER												
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report												
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration <td>MS <td>Spike Recovery (%) <td>MSD <td>Recovery Limits (%) <td>Low <td>High <td>Value <td>Control Limit</td> </td></td></td></td></td></td></td>	MS <td>Spike Recovery (%) <td>MSD <td>Recovery Limits (%) <td>Low <td>High <td>Value <td>Control Limit</td> </td></td></td></td></td></td>	Spike Recovery (%) <td>MSD <td>Recovery Limits (%) <td>Low <td>High <td>Value <td>Control Limit</td> </td></td></td></td></td>	MSD <td>Recovery Limits (%) <td>Low <td>High <td>Value <td>Control Limit</td> </td></td></td></td>	Recovery Limits (%) <td>Low <td>High <td>Value <td>Control Limit</td> </td></td></td>	Low <td>High <td>Value <td>Control Limit</td> </td></td>	High <td>Value <td>Control Limit</td> </td>	Value <td>Control Limit</td>	Control Limit
EG: Metals and Major Cations (QC Lot: 1027792)												
HK0912639-001	Anonymous	EG020: Cadmium	7440-43-9	5 mg/kg	95.9	---	---	75	75	125	---	---
		EG020: Lead	7439-92-1	5 mg/kg	# Not Determined	---	---	75	75	125	---	---



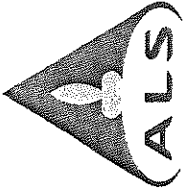
Page Number : 6 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0912998

Matrix: WATER

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

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Low	High	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 1027747) HK0912998-004	E1-E2/WATER/BBC 2.15M/25-05-09	EG020: Cadmium EG020: Lead	7440-43-9	100 µg/L	100	---	75	125	---	---	---
			7439-92-1	100 µg/L	92.0	---	75	125	---	---	---

ALS Technichem (HK) Pty Ltd



ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES

CERTIFICATE OF ANALYSIS

Client : KIN WING CONSTRUCTION COMPANY LIMITED
Contact : MR ERIC WONG
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Project : CONTRACT KL_2008_02
DECOMMISSIONING OF KAI TAK AIRPORT
Order number : ----
C-O-C number : H006137
Site : ----

Laboratory : ALS Technichem HK Pty Ltd
Contact : Chan Kwok Fai, Godfrey
Address : 11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
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Quote number : ----

Page : 1 of 5

Work Order : HK0915494

Date Samples Received : 30-JUL-2009

Issue Date : 11-AUG-2009

No. of samples received : 6

No. of samples analysed : 6

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 04-AUG-2009
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: HK0915494

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

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Signatories

Anh Ngoc Huynh

PP Fung Lim Chee, Richard

Position

Senior Chemist

General Manager

Authorised results for

Organics

Inorganics

ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd

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Analytical Results

Sub-Matrix: SOIL

Compound	CAS Number	LOR	Unit	Client sample ID	D1-D2/BBC 1.65M/29-07-09 [29-JUL-2009] HK0915494-003	D2-D3/BBC 1.65M/29-07-09 [29-JUL-2009] HK0915494-004	D3-D4/BBC 1.65M/29-07-09 [29-JUL-2009] HK0915494-005	D4-D1/BBC 1.65M/29-07-09 [29-JUL-2009] HK0915494-006
EA/ED: Physical and Aggregate Properties								
EA055: Moisture Content (dried @ 103°C)	---	0.1	%		10.9	17.2	14.7	14.4
EP-071: Total Petroleum Hydrocarbons (TPH)								
C6 - C9 Fraction	---	2	mg/kg		<2	<2	<2	<2
C10 - C14 Fraction	---	50	mg/kg		<50	<50	<50	<50
C15 - C28 Fraction	---	100	mg/kg		<100	<100	<100	110
C29 - C36 Fraction	---	100	mg/kg		<100	<100	<100	<100
EP-080S: TPH(Volatile)/BTX Surrogate								
Dibromofluoromethane	1868-53-7	0.1	%		101	97.6	100	105
Toluene-D8	2037-26-5	0.1	%		99.8	100	99.1	100
4-Bromofluorobenzene	460-00-4	0.1	%		97.0	97.5	94.6	93.7

Surrogate control limits listed at end of this report.



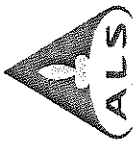
Sub-Matrix: WATER

Client sample ID : FIELD D1-D2/29-07-09 EQUIPMENT
 D3-D4/29-07-09
 Client sampling date / time : [29-JUL-2009]
 [29-JUL-2009]
 CAS Number LOR Unit Unit : HK0915494-001 HK0915494-002

Compound
 EP-071: Total Petroleum Hydrocarbons (TPH)

Compound	CAS Number	LOR	Unit	Value	Surrogate control limits listed at end of this report.
C6 - C9 Fraction	---	20	µg/L	<20	<20
C10 - C14 Fraction	---	50	µg/L	<50	<50
C15 - C28 Fraction	---	100	µg/L	<100	<100
C29 - C36 Fraction	---	50	µg/L	<50	<50
EP-080S: TPH(Volatile)/BTX Surrogate	1868-53-7	0.1	%	102	102
Dibromofluoromethane	2037-26-5	0.1	%	101	100
Toluene-D8	460-00-4	0.1	%	86.4	86.9

Surrogate control limits listed at end of this report.



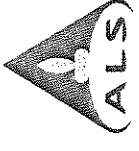
Laboratory Duplicate (DUP) Report

Matrix: SOIL		Method: Compound		Laboratory Duplicate (DUP) Report		RPD (%)	
Laboratory sample ID	Client sample ID	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EAJED: Physical and Aggregate Properties (QC Lot: 1057467)							
HK0915386-001	Anonymous	---	0.1	%	59.8	60.2	0.7
HK0915545-003	Anonymous	---	0.1	%	38.5	39.6	2.8
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1051497)							
HK0914966-001	Anonymous	---	100	mg/kg	160	170	0.0
		---	100	mg/kg	<100	<100	0.0
		---	50	mg/kg	820	860	5.7
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1051501)							
HK0914896-001	Anonymous	---	2	mg/kg	<2	<2	0.0
Matrix: WATER							
Matrix: SOIL		Method: Compound		Laboratory Duplicate (DUP) Report		RPD (%)	
Laboratory sample ID	Client sample ID	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1054770)							
HK0914899-002	Anonymous	---	10	µg/L	20	20	0.0
		---	10	µg/L	100	80	0.0
		---	10	µg/L	20	<10	0.0
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1056199)							
HK0915283-017	Anonymous	---	20	µg/L	<20	<20	0.0

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

Matrix: SOIL		Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report		RPD (%)					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit	
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1051497)											
C10 - C14 Fraction	---	50	mg/kg	<50	167 mg/kg	93.8	---	72	135	---	---
C15 - C28 Fraction	---	100	mg/kg	<100	666 mg/kg	134	---	66	135	---	---
C29 - C36 Fraction	---	100	mg/kg	<100	422 mg/kg	151	---	66	155	---	---
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1051501)											
C6 - C9 Fraction	---	2	mg/kg	<2	4 mg/kg	97.0	---	70	123	---	---
Matrix: WATER											
Matrix: SOIL		Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report		RPD (%)					
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit	
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1054770)											
C10 - C14 Fraction	---	50	µg/L	<50	150 µg/L	124	---	53	169	---	---
C15 - C28 Fraction	---	100	µg/L	<100	350 µg/L	96.2	---	56	120	---	---
C29 - C36 Fraction	---	50	µg/L	<50	300 µg/L	132	---	34	151	---	---
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1056199)											
C6 - C9 Fraction	---	20	µg/L	<20	200 µg/L	98.7	---	79	122	---	---

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



Page Number : 5 of 5
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0915494

Matrix: SOIL

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

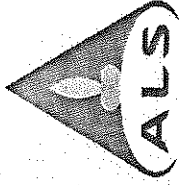
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	MSD	Recovery Limits (%)	Value	RPD (%)	Control Limit
						Low	High			
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1051497)										
HK0914966-002	Anonymous	C10 - C14 Fraction		167 mg/kg		50	130			
		C15 - C28 Fraction		666 mg/kg	130	50	130			
		C29 - C36 Fraction		422 mg/kg	# 150	50	130			
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1051501)										
HK0914896-002	Anonymous	C6 - C9 Fraction		4 mg/kg	105	50	130			

Surrogate Control Limits

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



CERTIFICATE OF ANALYSIS

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Telephone : +852 2785 8152
Facsimile : +852 2725 9316
Project : CONTRACT KL_2008_02 DECOMMISSIONING
OF KAI TAK AIRPORT
Order number : —
C-O-C number : H010272
Site : —

Laboratory : ALS Technichem HK Pty Ltd
Contact : Chan Kwok Fai, Godfrey
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1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
E-mail : Godfrey.Chan@alsenviro.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : HK/403b/2008**

Page : 1 of 6
Work Order : HK0924663

Date Samples Received : 21-NOV-2009
Issue Date : 02-DEC-2009
No. of samples received : 6
No. of samples analysed : 6

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Signatories

Fung Lim Chee, Richard

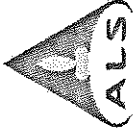
Position

General Manager

Authorised results for

Inorganics

ALS Laboratory Group
Trading Name: ALS Technichem (HK) Pty Ltd
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Page Number : 2 of 6
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK0924663

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 27-NOV-2009

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: HK0924663

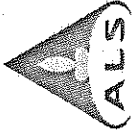
Sample(s) were picked up from client by ALS Technichem (HK) staff in a chilled condition.

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.

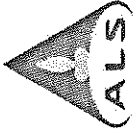
Sample(s) as received, digested by in-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.



Analytical Results

Sub-Matrix: SOIL

Compound	CAS Number	LOR	Unit	Client sample ID			
				AREA F (GFSA-17)/BOTTOM/4. 2M/ BBC/20-11-09 [20-NOV-2009] HK0924663-001	AREA E (GFSD-04)/BOTTOM/2. 2M/ BBC/20-11-09 [20-NOV-2009] HK0924663-002	AREA G (GFSA-22)/BOTTOM/4. 2M/ BBC/20-11-09 [20-NOV-2009] HK0924663-003	AREA B (GFSA-20)/BOTTOM/1. 5M/ BBC/20-11-09 [20-NOV-2009] HK0924663-004
EA055: Moisture Content (dried @ 103°C)	—	0.1	%	20.5	60.7	20.8	13.0
Metals and Major Cations							
EG020: Cadmium	7440-43-9	0.2	mg/kg	—	10.9	—	—
EG020: Copper	7440-50-8	1	mg/kg	—	—	31	—
EG020: Lead	7439-92-1	1	mg/kg	72	1920	—	—
EG020: Zinc	7440-66-6	1	mg/kg	—	—	—	134



Sub-Matrix: WATER		Client sample ID		Client sampling date / time		EQUIPMENT/AREA E	
Compound	CAS Number	LOR	Unit	FIELD-GFSA-17-20-11-09	[20-NOV-2009]	BOTTOM/2.2M/BBC/20-11-09	[20-NOV-2009]
EU: Metals and Major Cations - Filtered							
EG020: Cadmium	7440-43-9	0.2	µg/L	HK0924663-005		HK0924663-006	
EG020: Lead	7439-92-1	1	µg/L		<1		<1



Laboratory Duplicate (DUP) Report

Matrix: SOIL		Method: Compound		Laboratory Duplicate (DUP) Report				
Laboratory sample ID	Client sample ID	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	
EA/ED: Physical and Aggregate Properties (QC Lot: 1174227)								
HK0924441-001	Anonymous		0.1	%	15.3	15.4	1.1	
HK0924614-010	Anonymous		0.1	%	2.5	2.4	4.6	
EA/ED: Physical and Aggregate Properties (QC Lot: 1174228)								
HK0924663-002	AREA E (GFSD-04)BOTTOM/2.2M/ BBC/20-11-09		0.1	%	60.7	60.3	0.6	
EG: Metals and Major Cations (QC Lot: 1174210)								
HK0924557-001	Anonymous	EG020: Cadmium	0.2	mg/kg	<0.2	<0.2	0.0	
		EG020: Copper	1	mg/kg	6	6	0.0	
		EG020: Lead	1	mg/kg	1	1	0.0	
		EG020: Zinc	1	mg/kg	26	29	7.5	
Matrix: WATER								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1174184)								
HK0924655-002	Anonymous	EG020: Cadmium		0.2	µg/L	<0.2	<0.2	0.0
		EG020: Lead		1	µg/L	2	2	0.0

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

Matrix: SOIL		Method: Compound		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report										
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	LCS	DCS	Recovery Limits (%)	Low	High	Value	RPD (%)	Control Limit
Method Blank (MB) Report														
EG: Metals and Major Cations (QC Lot: 1174210)														
EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	5 mg/kg	95.7	95.7	---	85	115	115	---	---	---
EG020: Copper	7440-50-8	1	mg/kg	<1	5 mg/kg	94.7	94.7	---	85	115	115	---	---	---
EG020: Lead	7439-92-1	1	mg/kg	<1	5 mg/kg	97.3	97.3	---	85	115	115	---	---	---
EG020: Zinc	7440-66-6	1	mg/kg	<1	5 mg/kg	91.7	91.7	---	85	115	115	---	---	---
Method Blank (MB) Report														
Matrix: WATER														
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	LCS	DCS	Recovery Limits (%)	Low	High	Value	RPD (%)	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 1174184)														
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	100 µg/L	# Not Determined	---	---	85	115	115	---	---	---
EG020: Lead	7439-92-1	1	µg/L	<1	100 µg/L	106	106	---	85	115	115	---	---	---

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

Matrix: SOIL	Matrix Spike (MS)	Matrix Spike Duplicate (MSD)	Spike Recovery (%)	Recovery Limits (%)	RPD (%)

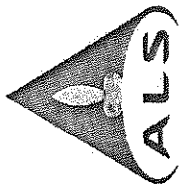


Page Number : 5 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924663

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report		Value RPD (% Control Limit)
					MS Spike Recovery (%)	Recovery Limits (%)	
Matrix: SOIL							
EG: Metals and Major Cations (QC Lot: 1174210)							
HK0924536-001	Anonymous	EG020: Cadmium	7440-43-9	5 mg/kg	84.4	75	125
		EG020: Copper	7440-50-8	5 mg/kg	# Not Determined	75	125
		EG020: Lead	7439-92-1	5 mg/kg	# Not Determined	75	125
		EG020: Zinc	7440-66-6	5 mg/kg	# Not Determined	75	125
Matrix: WATER							
EG: Metals and Major Cations - Filtered (QC Lot: 1174184)							
HK0924655-001	Anonymous	EG020: Cadmium	7440-43-9	100 µg/L	# Not Determined	75	125
		EG020: Lead	7439-92-1	100 µg/L	105	75	125

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

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Project : CONTRACT KL_2008_02 DECOMMISSIONING
OF KAI TAK AIRPORT
Order number : —
C-O-C number : H010274
Site : —

Laboratory : ALS Technichem HK Pty Ltd
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Facsimile : +852 2610 2021
Quote number : HK/403b/2008**

Page : 1 of 5
Work Order : HK0925087

Date Samples Received : 26-NOV-2009
Issue Date : 08-DEC-2009
No. of samples received : 4
No. of samples analysed : 4

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is:

03-DEC-2009

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: HK0925087

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.

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Signatories

Anh Ngoc Huynh
Fung Lim Chee, Richard

Position

Senior Chemist
General Manager

Authorised results for

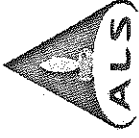
Organics
Inorganics

ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd

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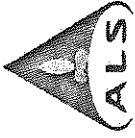


Analytical Results

Sub-Matrix: SOIL

Client sample ID

Compound	CAS Number	LOR	Client sampling date / time		Unit	Area A, GFSA-18/BOTTOM/1.5 M/ BBC/26-11-09 [26-NOV-2009] HK0925087-001	Area D, GFSA-01/BOTTOM/2.15 M/ BBC/26-11-09 [26-NOV-2009] HK0925087-002
			CAS Number	LOR			
EAJED: Physical and Aggregate Properties							
EA055: Moisture Content (dried @ 103°C)							
		0.1	%		12.5	16.4	
EP-074: Total Petroleum Hydrocarbons (TPH)							
C6 - C9 Fraction		2	mg/kg			<2	
C10 - C14 Fraction		50	mg/kg			<50	
C15 - C28 Fraction		100	mg/kg			180	
C29 - C36 Fraction		100	mg/kg			140	
EP-075B: Polycyclic Aromatic Hydrocarbons (PAHs)							
Phenanthrene	85-01-8	0.5	mg/kg		<0.5		
Fluoranthene	206-44-0	0.5	mg/kg		<0.5		
Pyrene	129-00-0	0.5	mg/kg		<0.5		
Benzo(a)pyrene	50-32-8	0.5	mg/kg		<0.5		
EP-075C: PHV (H/C)/BTEX Surrogate							
Dibromofluoromethane	1868-53-7	0.1	%			111	Surrogate control limits listed at end of this report.
Toluene-D8	2037-26-5	0.1	%			99.4	
4-Bromofluorobenzene	460-00-4	0.1	%			95.7	
EP-075S: Acid/Extractable Surrogates							
2-Fluorophenol	367-12-4	0.1	%		67.4		Surrogate control limits listed at end of this report.
Phenol-d6	13127-88-3	0.1	%		89.4		
2,4,6-Tribromophenol	116-79-6	0.1	%		97.9		
EP-075T: Base/Neutral Extractable Surrogates							
Nitrobenzene -d5	4165-60-0	0.1	%		93.4		Surrogate control limits listed at end of this report.
2-Fluorobiphenyl	321-60-8	0.1	%		81.9		
4-Terphenyl-d14	1718-51-0	0.1	%		93.0		



Page Number : 3 of 5
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925087

Sub-Matrix: WATER

Compound	CAS Number	LOR	Client sample ID		FIELD/AREA D, GFSB-01/26-11-09	EQUIPMENT/AREA D, GFSB-01/ BOTTOM/2.15M/BB/C/2 6-11-09
			Client sampling date / time	Unit		
EP-071: Total Petroleum Hydrocarbons (TPH)						
C6 - C9 Fraction	---	20	<20	µg/L	<20	<20
C10 - C14 Fraction	---	50	<50	µg/L	<50	<50
C15 - C28 Fraction	---	100	<100	µg/L	<100	<100
C29 - C36 Fraction	---	50	<50	µg/L	<50	<50
EP-080S: TPH(Volatile)/BTEX Surrogate						
Dibromofluoromethane	1868-53-7	0.1	96.0	%	96.4	96.4
Toluene-D8	2037-26-5	0.1	101	%	98.9	98.9
4-Bromofluorobenzene	460-00-4	0.1	96.4	%	93.2	93.2

Surrogate control limits listed at end of this report.



Laboratory Duplicate (DUP) Report

Matrix: SOIL		Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1178722)								
EA055: Moisture Content (dried @ 103°C)	AREA A			0.1	%	12.5	12.3	2.0
HK0925087-001	IGFSA-18/BOTTOM/1.5M/ BBC/28-11-09							
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1176974)								
Anonymous	C6 - C9 Fraction			2	mg/kg	<2	<2	0.0
HK0924895-001								
Matrix: WATER								
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1180491)								
FIELD/AREA D	C6 - C9 Fraction			20	µg/L	<20	<20	0.0
HK0925087-003	GFSB-01/28-11-09							

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

Matrix: SOIL									
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report				
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	RPD (%)
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1176974)									
C6 - C9 Fraction		2	mg/kg	<2	4 mg/kg	98.0		87	119
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1176975)									
C10 - C14 Fraction		50	mg/kg	<50	16 mg/kg	77.5		44	134
C15 - C28 Fraction		100	mg/kg	<100	53 mg/kg	78.7		39	138
C29 - C36 Fraction		100	mg/kg	<100	45 mg/kg	75.8		43	117
EP-075B: Polyaromatic Hydrocarbons (PAHs) (QC Lot: 1176976)									
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	0.25 mg/kg	98.4		75	110
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	0.25 mg/kg	105		77	109
Pyrene	129-00-0	0.5	mg/kg	<0.5	0.25 mg/kg	102		76	113
Benzo(a)pyrene	50-52-8	0.5	mg/kg	<0.5	0.25 mg/kg	80.8		64	102
Matrix: WATER									
Method Blank (MB) Report					Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report				
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	RPD (%)
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1179501)									
C10 - C14 Fraction		50	µg/L	<50	150 µg/L	80.1		37	179
C15 - C28 Fraction		100	µg/L	<100	350 µg/L	88.1		50	132
C29 - C36 Fraction		50	µg/L	<50	300 µg/L	85.5		24	169
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1180491)									
C6 - C9 Fraction		20	µg/L	<20	200 µg/L	79.9		73	116

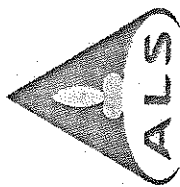
Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report



Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report								
				Spike Concentration	MS	Spike Recovery (%)	MSD	Recovery Limits (%)	Value	RPD (%)	Control Limit	
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1776974)	Anonymous	C6 - C9 Fraction		4 mg/kg	106	—	—	50	130	—	—	—
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1776975)	Anonymous	C10 - C14 Fraction		16 mg/kg	—	—	—	50	130	—	—	—
HK0924895-002		C15 - C28 Fraction		53 mg/kg	121	—	—	50	130	—	—	—
HK0924895-002		C29 - C36 Fraction		45 mg/kg	87.9	—	—	50	130	—	—	—

Surrogate Control Limits

Compound	CAS Number	Recovery Limits (%)	
		Low	High
Sub-Matrix: SOIL			
EP-080S: 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-075S: Acid Extractable Surrogates			
2-Fluorophenol	367-12-4	25	121
Phenol-d6	13127-88-3	24	113
2,4,6-Tribromophenol	118-79-6	20	122
EP-073: Base/Neutral Extractable Surrogates			
Nitrobenzene -d5	4165-60-0	23	120
2-Fluorobiphenyl	321-60-8	30	115
4-Terphenyl-d14	1718-51-0	20	137
Sub-Matrix: WATER			
EP-086S: TPH(Volatile)/BTEX Surrogate			
Dibromofluoromethane	1868-53-7	86	118
Toluene-D8	2037-26-5	88	110
4-Bromofluorobenzene	460-00-4	86	115



CERTIFICATE OF ANALYSIS

Client : KIN WING CONSTRUCTION COMPANY LIMITED
Contact : MR ERIC WONG
Address : FLAT A, BLOCK 2, 6/F.,
KIN HO INDUSTRIAL BUILDING,
14-24 AU PUI WAN STREET,
FOTAN, SHATIN, HONG KONG
E-mail : Erickkwong7@yahoo.com.hk
Telephone : +852 2785 8152
Facsimile : +852 2725 9316
Project : CONTRACT KL_2008_02 DECOMMISSIONING
OF KAI TAK AIRPORT
Order number : ---
C-O-C number : H010275
Site : ---

Laboratory : ALS Technichem HK Pty Ltd
Contact : Chan Kwok Fai, Godfrey
Address : 11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
Kwai Chung, N.T., Hong Kong
E-mail : Godfrey.Chan@alsenviro.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : HK/403b/2008**

Page : 1 of 7
Work Order : HK0925924

Date Samples Received : 05-DEC-2009
Issue Date : 27-JAN-2010 18:00
No. of samples received : 5
No. of samples analysed : 4

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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

Fung Lim Chee, Richard

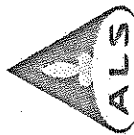
Position

General Manager

Authorised results for

Inorganics

PRELIMINARY REPORT FOR REFERENCE ONLY



Page Number : 2 of 7
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK0925924

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 15-DEC-2009

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: HK0925924

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.

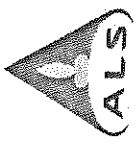
Water sample(s) were filtered prior to dissolved metal analysis.

Sample(s) as received, digested by in-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.

The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #2 pH 2.83 - 2.93.

PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 3 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925924



Analytical Results

Sub-Matrix: SOIL

Compound	Client sample ID		Client sampling date / time		Unit
	AREA	Client sample ID	CAS Number	Unit	
EA/ED: Physical and Aggregate Properties	E/GFSD-04/BOTTOM/4, 2M/	BBC/03-12-09			
EA055: Moisture Content (dried @ 103°C)	[03-DEC-2009]	HK0925924-001	---	0.1	%
EG: Metals and Major Cations					
EG020: Cadmium			7440-43-9	0.2	mg/kg
EG020: Lead			7439-92-1	1	mg/kg
				19.8	
				<0.2	
				65	

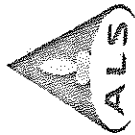
ANALYTICAL REPORT FOR REFERENCE ILY

Page Number : 4 of 7

Client :

Work Order : KIN WING CONSTRUCTION COMPANY LIMITED

HK0925924



Sub-Matrix: TCLP LEACHATE

Compound	Client sample ID		Client sampling date / time	LOR	Unit	Result
	CAS Number	Unit				
EG: Metals and Major Cations - Filtered			B16-03-12/09/AREA E/GFSD-04/T2 (4 DAYS) [05-DEC-2009]			
EG020: Cadmium	7440-43-9	0.2		mg/L	<0.2	
EG020: Lead	7439-92-1	1		mg/L	<1	
Sample Preparation Method						
E-TCLP: Extraction Fluid Number						2



Laboratory Duplicate (DUP) Report

Laboratory sample ID		Client sample ID	Method: Compound	Laboratory Duplicate (DUP) Report		
EA/ED: Physical and Aggregate Properties (QC Lot: 1192895)	EA055: Moisture Content (dried @ 103°C)	CAS Number	LOR	Original Result	Duplicate Result	RPD (%)
HK0926158-001	Anonymous		0.1	23.8	23.6	1.2
EG: Metals and Major Cations (QC Lot: 1192953)		CAS Number	LOR	Original Result	Duplicate Result	RPD (%)
HK0925924-001	AREA E/GFSD-04/BOTTOM/4.2M/ BBC/03-12-09	7440-43-9	0.2	<0.2	<0.2	0.0
Matrix: WATER		7439-92-1	1	65	52	21.5

Laboratory sample ID		Client sample ID	Method: Compound	Laboratory Duplicate (DUP) Report		
EG: Metals and Major Cations - Filtered (QC Lot: 1192737)	EG020: Cadmium	CAS Number	LOR	Original Result	Duplicate Result	RPD (%)
HK0925924-003	FIELD/AREA E/GFSD-04/03-12-09	7440-43-9	0.2	<0.2	<0.2	0.0
Matrix: SOIL		7439-92-1	1	<1	<1	0.0

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

Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations (QC Lot: 1192953)	7440-43-9	0.2	mg/kg	<0.2	5 mg/kg	97.4	85	115	85	115
EG020: Cadmium	7439-92-1	1	mg/kg	<1	5 mg/kg	93.4	85	115	85	115
Matrix: WATER										

Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report						
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Recovery (%)	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 1192737)	7440-43-9	0.2	µg/L	<0.2	100 µg/L	93.8	85	115	85	115
EG020: Cadmium	7439-92-1	1	µg/L	<1	100 µg/L	94.7	85	115	85	115
Matrix: SOIL										

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

Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	MSD	Recovery Limits (%)	Value	Control Limit
HK0925747-001	Anonymous		EG020: Cadmium	7440-43-9	5 mg/kg	101	75	125	75
Matrix: SOIL									

PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 7 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925924

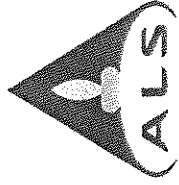


Matrix: SOIL

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
EG: Metals and Major Cations (QC Lot: 1192953) - Continued HK0925747-001	Anonymous	EG020: Lead	7439-92-1	5 mg/kg	88.7	---	75	125	---
Matrix: WATER									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report					
				Spike Concentration	MS	MSD	Recovery Limits (%)	RPD (%)	
EG: Metals and Major Cations - Filtered (QC Lot: 1192737) HK0925924-002	EQUIPMENT/AREA E/GFSD-04/ BOTTOM/4.2M/BBC/03-12-09	EG020: Cadmium EG020: Lead	7440-43-9 7439-92-1	100 µg/L 100 µg/L	93.0 94.6	---	75	125	---
EG: Metals and Major Cations - Filtered (QC Lot: 1195230) HK0925924-005	B16-03-12/09/AREA E/GFSD-04/T2 (4 DAYS)	EG020: Cadmium EG020: Lead	7440-43-9 7439-92-1	1 mg/L 1 mg/L	96.1 95.0	95.8 98.1	75	125	0.3 3.2

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 6
Contact	: MR ERIC WONG	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1000207
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Erickkwong7@yahoo.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	Quote number	: HK/403b/2008**	Date Samples Received	: 05-JAN-2010
Order number	: ----			Issue Date	: 14-JAN-2010
C-O-C number	: H010278			No. of samples received	: 6
Site	: ----			No. of samples analysed	: 6

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Signatories
Fung Lim Chee, Richard

Position
General Manager
Authorised results for
Inorganics

ALS Laboratory Group
Trading Name: **ALS Technichem (HK) Pty Ltd**
11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
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A Campbell Brothers Limited Company



Page Number : 2 of 6
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK1000207

General Comments

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12-JAN-2010

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: HK1000207

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.

Sample(s) as received, digested by in-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.



Page Number : 4 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1000207

Sub-Matrix: WATER

Compound	CAS Number	LOR	Unit	Client sample ID		EQUIPMENT/AREA
				FIELD/AREA	EQUIPMENT/AREA	
EG: Metals and Major Cations - Filtered						
EG020: Cadmium	7440-43-9	0.2	µg/L	"C"/GFSD-03/ 04-01-10	"C"/GFSD-03/ 1.0M/C4-C1/04-01-10	
EG020: Lead	7439-92-1	1	µg/L	[04-JAN-2010]	[04-JAN-2010]	
EG020: Zinc	7440-66-6	10	µg/L	HK1000207-005	HK1000207-006	



Page Number : 5 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1000207

Laboratory Duplicate (DUP) Report

Matrix: SOIL		Method: Compound		Laboratory Duplicate (DUP) Report		
Laboratory sample ID	Client sample ID	CAS Number	LOR	Original Result	Duplicate Result	RPD (%)
EAJED: Physical and Aggregate Properties (QC Lot: 1214545)						
HK1000207-001	AREA "C"/GFSD-03/C1-C2/1.0M/ 04-01-10	EA055: Moisture Content (dried @ 103°C)	0.1	8.6	9.0	3.6
HK1000303-001	Anonymous EA055: Moisture Content (dried @ 103°C)		0.1	22.9	22.6	1.3
EG: Metals and Major Cations (QC Lot: 1213916)						
HK1000207-002	AREA "C"/GFSD-03/C2-C3/1.0M/ 04-01-10	EG020: Cadmium	0.2	<0.2	<0.2	0.0
		EG020: Lead	1	100	82	19.0
		EG020: Zinc	1	66	60	8.2
Matrix: WATER						
Laboratory sample ID	Client sample ID	CAS Number	LOR	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1215193)						
HK1000207-006	EQUIPMENT/AREA "C"/GFSD-03/ 1.0M/C4-C1/04-01-10	EG020: Cadmium	0.2	<0.2	<0.2	0.0
		EG020: Lead	1	<1	<1	0.0
		EG020: Zinc	10	<10	<10	0.0

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

Matrix: SOIL		Method: Compound		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report		
Method Blank (MB) Report	Result	Spike Concentration	DCS	Recovery Limits (%)	Value	Control Limit
Method Blank (MB) Report	Result	Spike Concentration	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations (QC Lot: 1213916)						
EG020: Cadmium	<0.2	5 mg/kg	97.2	85 - 115	85	115
EG020: Lead	<1	5 mg/kg	89.4	85 - 115	85	115
EG020: Zinc	<1	5 mg/kg	94.3	85 - 115	85	115
Matrix: WATER						
Method Blank (MB) Report	Result	Spike Concentration	DCS	Recovery Limits (%)	Value	Control Limit
EG: Metals and Major Cations - Filtered (QC Lot: 1215193)						
EG020: Cadmium	<0.2	100 µg/L	93.0	85 - 115	85	115
EG020: Lead	<1	100 µg/L	92.9	85 - 115	85	115
EG020: Zinc	<10	100 µg/L	91.2	85 - 115	85	115

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

Matrix: SOIL		Method: Compound		Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report		
Laboratory sample ID	Client sample ID	CAS Number	LOR	Original Result	Duplicate Result	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1215193)						
MS001	MS001	EG020: Cadmium	0.2	93.0	93.0	0.0
MS002	MS002	EG020: Lead	1	85	85	0.0
MS003	MS003	EG020: Zinc	10	85	85	0.0



Page Number : 6 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1000207

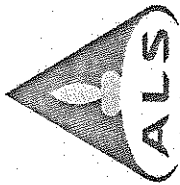
Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	Spike Concentration	MS	Spike Recovery (%)	MSD	Low	High	Value	RPD (%)	Control Limit
Matrix: SOIL													
EG: Metals and Major Cations (QC Lot: 1213916)													
HK1000207-001	AREA	EG020: Cadmium	7440-43-9	5 mg/kg	98.7	---	75	125	---	---	---	---	---
	"C"/GFSD-03(C1-C2)/1.0M/	EG020: Lead	7439-92-1	5 mg/kg	# Not Determined	---	75	125	---	---	---	---	---
	04-01-10	EG020: Zinc	7440-66-6	5 mg/kg	# Not Determined	---	75	125	---	---	---	---	---
Matrix: WATER													
EG: Metals and Major Cations - Filtered (QC Lot: 1215193)													
HK1000207-005	FIELD/AREA "C"/GFSD-03/	EG020: Cadmium	7440-43-9	100 ug/L	87.2	---	75	125	---	---	---	---	---
	04-01-10	EG020: Lead	7439-92-1	100 ug/L	94.3	---	75	125	---	---	---	---	---
		EG020: Zinc	7440-66-6	100 ug/L	87.1	---	75	125	---	---	---	---	---

ALS Technichem (HK) Pty Ltd

PRELIMINARY REPORT FOR REFERENCE ONLY

ALS Laboratory Group

ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client	: KIN WING CONSTRUCTION COMPANY LIMITED	Laboratory	: ALS Technichem HK Pty Ltd	Page	: 1 of 7
Contact	: MR. ERIC WONG	Contact	: Chan Kwok Fai, Godfrey	Work Order	: HK1001263
Address	: FLAT A, BLOCK 2, 6/F., KIN HO INDUSTRIAL BUILDING, 14-24 AU PUI WAN STREET, FOTAN, SHATIN, HONG KONG	Address	: 11/F., Chung Shun Knitting Centre, 1 - 3 Wing Yip Street, Kwai Chung, N.T., Hong Kong		
E-mail	: Erickkwong7@yahoo.com.hk	E-mail	: Godfrey.Chan@alsenviro.com		
Telephone	: +852 2785 8152	Telephone	: +852 2610 1044		
Facsimile	: +852 2725 9316	Facsimile	: +852 2610 2021		
Project	: CONTRACT KL_2008_02 DECOMMISSIONING OF KAI TAK AIRPORT	Quote number	: HK/403b/2008**	Date Samples Received	: 15-JAN-2010
Order number	: ---			Issue Date	: 27-JAN-2010 18:09
C-O-C number	: H010279			No. of samples received	: 6
Site	: ---			No. of samples analysed	: 5

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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

Fung Lim Chee, Richard

Position

General Manager

Authorised results for

Inorganics

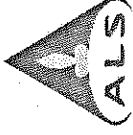
ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

A Campbell Brothers Limited Company

PRELIMINARY REPORT FOR REFERENCE ONLY



Page Number : 2 of 7
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK1001263

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0:00 the information was not provided by client. The completion date of analysis is: 22-JAN-2010

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: HK1001263

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.

Sample(s) as received, digested by in-house method E-ASTM D3974-01 based on ASTM D3974-01, prior to the determination of metals.

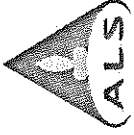
The metal concentrations reported are those determined on the TCLP leachate. Extraction Fluid #1 pH 4.88 - 4.98.

PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 3 of 7

Client : KIN WING CONSTRUCTION COMPANY LIMITED

Work Order : HK1001263



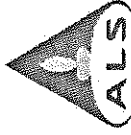
Analytical Results

Sub-Matrix: SOIL

Compound	Client sample ID		CAS Number	LOR	Unit	Client sampling date / time	AREA C GFSD-03/C3-C4(R1)/ 1.0M/14-01-10 [14-JAN-2010]	AREA C GFSD-03/BOTTOM/ 1.5M/14-01-10 [14-JAN-2010]	Client sample ID
	HK1001263-001	HK1001263-002							
EA/ED: Physical and Aggregate Properties									
EA055: Moisture Content (dried @ 103°C)	---			0.1	%		6.5	7.7	
EG: Metals and Major Cations									
EG020: Cadmium	7440-43-9		0.2		mg/kg		0.3	<0.2	
EG020: Lead	7439-92-1		1		mg/kg		65	58	
EG020: Zinc	7440-66-6		1		mg/kg		111	76	

PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 4 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001263



Sub-Matrix: TCLP LEACHATE

Compound	CAS Number	LOR	Unit	Client sample ID	
				(4 DAYS)	[15-JAN-2010]
EG: Metals and Major Cations - Filtered					
EG020: Cadmium	7440-43-9	0.02	mg/L	<0.02	HK1001263-006
EG020: Lead	7439-92-1	0.1	mg/L	<0.1	
EG020: Zinc	7440-66-6	0.1	mg/L	<0.1	
Sample Preparation Method					
E-TCLP: Extraction Fluid Number					
				1	

PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 5 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001263

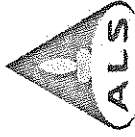


Sub-Matrix: WATER

Compound	Client sample ID		FIELD/AREA C GFSD-03/BOTTOM/ 1.5M/14-01-10 [14-JAN-2010] HK1001263-003	EQUIPMENT/AREA C GFSD-03/ BOTTOM/1.5M/14-01-1 0 [14-JAN-2010] HK1001263-004
	CAS Number	LOR		
EG: Metals and Major Cations - Filtered				
EG020: Cadmium	7440-43-9	0.2	<0.2	<0.2
EG020: Lead	7439-92-1	1	<1	<1
EG020: Zinc	7440-66-6	10	<10	<10

PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 6 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001263



Laboratory Duplicate (DUP) Report

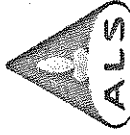
Laboratory sample ID		Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
Matrix: SOIL									
EAIED: Physical and Aggregate Properties (QC Lot: 1225576)									
HK1000500-001	Anonymous		EA055: Moisture Content (dried @ 103°C)		0.1	%	44.5	44.3	0.4
HK1000500-011	Anonymous		EA055: Moisture Content (dried @ 103°C)		0.1	%	48.7	47.2	3.2
EG: Metals and Major Cations (QC Lot: 1225687)									
HK1001263-002	AREA C		EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	<0.2	0.0
	GFSD-03/BOTTOM/ 1.5M/14-01-10		EG020: Lead	7439-92-1	1	mg/kg	58	53	7.6
			EG020: Zinc	7440-66-6	1	mg/kg	76	68	11.6
Matrix: WATER									
Laboratory Duplicate (DUP) Report									
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)	
EG: Metals and Major Cations - Filtered (QC Lot: 1225689)									
HK1001263-004	EQUIPMENT/AREA C GFSD-03/ BOTTOM/1.5M/14-01-10		EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
			EG020: Lead	7439-92-1	1	µg/L	<1	<1	0.0
			EG020: Zinc	7440-66-6	10	µg/L	<10	<10	0.0
EG: Metals and Major Cations - Filtered (QC Lot: 1227645)									
HK1001319-002	Anonymous		EG020: Zinc	7440-66-6	0.01	mg/L	<0.1	<0.1	0.0
			EG020: Cadmium	7440-43-9	0.02	mg/L	<0.02	<0.02	0.0
			EG020: Lead	7439-92-1	1	mg/L	<1	<1	0.0

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

Matrix: SOIL									
Method Blank (MB) Report									
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	RPD (%)
EG: Metals and Major Cations (QC Lot: 1225687)									
EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	5 mg/kg	96.1	---	85 115	---
EG020: Lead	7439-92-1	1	mg/kg	<1	5 mg/kg	102	---	85 115	---
EG020: Zinc	7440-66-6	1	mg/kg	<1	5 mg/kg	103	---	85 115	---
Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report									
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	Recovery Limits (%)	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1225689)									
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	100 µg/L	99.4	---	85 115	---
EG020: Lead	7439-92-1	1	µg/L	<1	100 µg/L	91.9	---	85 115	---
EG020: Zinc	7440-66-6	10	µg/L	<10	100 µg/L	96.6	---	85 115	---
EG: Metals and Major Cations - Filtered (QC Lot: 1227645)									

PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 7 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001263



Method Blank (MS) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report			
CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	DCS	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1227645) - Continued							
7440-43-9	0.002	mg/L	<0.02	96.6	85	115	---
EG020: Cadmium							
7439-92-1	0.001	mg/L	<0.1	86.9	85	115	---
EG020: Lead							
7440-66-6	0.01	mg/L	<0.1	98.9	85	115	---
EG020: Zinc							

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

Matrix: SOIL

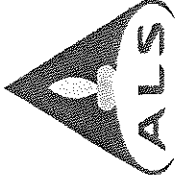
Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report			
				Spike Concentration	MS	MSD	RPD (%)
EG: Metals and Major Cations (QC Lot: 1225687)							
HK1001263-001	AREA C GFSD-03/C3-C4(R1)/1.0M/14-01-10	EG020: Cadmium	7440-43-9	5 mg/kg	103	75	125
		EG020: Lead	7439-92-1	5 mg/kg	# Not Determined	75	125
		EG020: Zinc	7440-66-6	5 mg/kg	# Not Determined	75	125

Matrix: WATER

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report			
				Spike Concentration	MS	MSD	RPD (%)
EG: Metals and Major Cations - Filtered (QC Lot: 1225689)							
HK1001263-003	FIELD/AREA C GFSD-03/BOTTOM/1.5M/14-01-10	EG020: Cadmium	7440-43-9	100 µg/L	91.4	75	125
		EG020: Lead	7439-92-1	100 µg/L	96.0	75	125
		EG020: Zinc	7440-66-6	100 µg/L	87.3	75	125
EG: Metals and Major Cations - Filtered (QC Lot: 1227645)							
HK1001263-006	B16-14-01-10 T2 (4 DAYS)	EG020: Cadmium	7440-43-9	1 mg/L	98.5	75	125
		EG020: Lead	7439-92-1	1 mg/L	83.2	75	125
		EG020: Zinc	7440-66-6	1 mg/L	94.9	75	125

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : KIN WING CONSTRUCTION COMPANY LIMITED
Contact : MR ERIC WONG
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FOTAN, SHATIN, HONG KONG
E-mail : Erickkwong7@yahoo.com.hk
Telephone : +852 2785 8152
Facsimile : +852 2725 9316
Project : KL_2008_02
Order number : ---
C-O-C number : H010281
Site : ---

Laboratory : ALS Technichem HK Pty Ltd
Contact : Chan Kwok Fai, Godfrey
Address : 11/F., Chung Shun Knitting Centre,
1 - 3 Wing Yip Street,
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E-mail : Godfrey.Chan@alsenviro.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : HK/403b/2008**

Page : 1 of 6
Work Order : HK1001417

Date received : 19-JAN-2010
Date of issue : 28-JAN-2010
No. of samples : Received : 7
Analysed : 7

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Signatory : Fung Lim Chee, Richard
Position : General Manager
Authorised results for: Inorganics



Page Number : 2 of 6
Client : KIN WING CONSTRUCTION COMPANY LIMITED
Work Order : HK1001417

Report Comments

This report for ALS Technichem (HK) Pty Ltd work order reference HK1001417 supersedes any previous reports with this reference. The completion date of analysis is 27-JAN-2010. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release. When date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for process purposes. Abbreviations: CAS number = Chemical Abstract Services number. LOR = Limit of reporting.

Specific comments for Work Order HK1001417 :

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.

Sample(s) as received, digested by in-house method E-ASTM D3974-81 based on ASTM D3974-81, prior to the determination of metals.

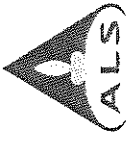


Page Number : 3 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001417

Analytical Results

Sub-Matrix: SOIL

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound	EA055: Moisture Content (dried @ 103°C)	EG020: Cadmium	EG020: Cobalt	EG020: Nickel
			LOR Unit	0.1 %	0.2 mg/kg	0.5 mg/kg	1 mg/kg
				EA/ED: Physical and Aggregate Properties	EG: Metals and Major Cations	EG: Metals and Major Cations	EG: Metals and Major Cations
AREA H GFSD-03/H1-H2/ 3.50M/18-01-10	[18-JAN-2010]	HK1001417-001		12.2	<0.2	2.1	<1
AREA H GFSD-03/H2-H3/ 3.50M/18-01-10	[18-JAN-2010]	HK1001417-002		12.0	<0.2	2.3	<1
AREA H GFSD-03/H3-H4/ 3.50M/18-01-10	[18-JAN-2010]	HK1001417-003		12.8	<0.2	2.8	<1
AREA H GFSD-03/H4-H1/ 3.50M/18-01-10	[18-JAN-2010]	HK1001417-004		11.6	<0.2	3.1	1
AREA H GFSD-03/ BOTTOM/4.25M/18-01-10	[18-JAN-2010]	HK1001417-005		24.2	<0.2	4.8	<1



Page Number : 4 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001417

Sub-Matrix: WATER	Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EG020: Cadmium 0.2 µg/L EG: Metals and Major Cations - Filtered	EG020: Cobalt 1 µg/L EG: Metals and Major Cations - Filtered	EG020: Nickel 1 µg/L EG: Metals and Major Cations - Filtered
FIELD/AREA H GFSD-03/ 18-01-10	[18-JAN-2010]	HK1001417-006		<0.2	<1	<1	
EQUIPMENT/AREA H GFSD-03/ BOTTOM/4.25M/18-01-10	[18-JAN-2010]	HK1001417-007		<0.2	<1	<1	



Laboratory Duplicate (DUP) Report

Laboratory sample ID	Client sample ID	Method/Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
EA/ED: Physical and Aggregate Properties (QC Lot: 1227060)								
HK1001415-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	12.4	12.6	2.0
HK1001554-001	Anonymous	EA055: Moisture Content (dried @ 103°C)	—	0.1	%	43.4	43.7	0.8
EG: Metals and Major Cations (QC Lot: 1227657)								
HK1001417-002	AREA H GFSD-03/H2-H3/ 3.50M/18-01-10	EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	<0.2	0.0
		EG020: Cobalt	7440-48-4	0.5	mg/kg	2.3	2.5	9.4
		EG020: Nickel	7440-02-0	1	mg/kg	<1	<1	0.0
Laboratory Duplicate (DUP) Report								
Laboratory sample ID	Client sample ID	Method/Compound	CAS Number	LOR	Unit	Original Result	Duplicate Result	RPD (%)
Matrix: WATER								
EG: Metals and Major Cations - Filtered (QC Lot: 1227019)								
HK1001417-007	EQUIPMENT/AREA H GFSD-03/ BOTTOM/4.25M/18-01-10	EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	<0.2	0.0
		EG020: Cobalt	7440-48-4	1	µg/L	<1	<1	0.0
		EG020: Nickel	7440-02-0	1	µg/L	<1	<1	0.0

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

Method Blank (MB) Report									
Method/Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	RPDs (%)
Matrix: SOIL									
EG: Metals and Major Cations (QC Lot: 1227657)									
EG020: Cadmium	7440-43-9	0.2	mg/kg	<0.2	5 mg/kg	101	—	85 115	—
EG020: Cobalt	7440-48-4	1	mg/kg	<0.5	5 mg/kg	93.0	—	85 115	—
EG020: Nickel	7440-02-0	1	mg/kg	<1	5 mg/kg	87.6	—	85 115	—
Method Blank (MB) Report									
Method/Compound	CAS Number	LOR	Unit	Result	Spike Concentration	LCS	DCS	Recovery Limits (%)	RPDs (%)
Matrix: WATER									
EG: Metals and Major Cations - Filtered (QC Lot: 1227019)									
EG020: Cadmium	7440-43-9	0.2	µg/L	<0.2	100 µg/L	95.8	—	85 115	—
EG020: Cobalt	7440-48-4	1	µg/L	<1	100 µg/L	95.0	—	85 115	—
EG020: Nickel	7440-02-0	1	µg/L	<1	100 µg/L	95.9	—	85 115	—

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

Laboratory sample ID	Client sample ID	Method/Compound	CAS Number	Concentration	MS	MSD	Recovery Limits (%)	RPDs (%)
Matrix: SOIL								
EG: Metals and Major Cations (QC Lot: 1227657)								
					MS	MSD	Low High	Value Control Limit



Page Number : 6 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001417

Matrix: SOIL

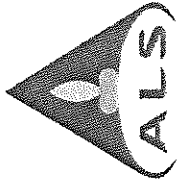
Laboratory sample ID	Client sample ID	Method: Compound	Spike Concentration	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report			Spike Recovery (%)			Recovery Limits (%)			RPDs (%)		
				CAS Number	MS	MSD	Low	High	Value	Control Limit	Low	High	Value	Control Limit	
EG: Metals and Major Cations (QCLot: 1227657) - continued															
HK1001417-001	AREA H GFSD-03/H1-HZ/ 3.50M/18-01-10	EG020: Cadmium	5 mg/kg	7440-43-9	104	---	75	125	---	---	---	---	---	---	
		EG020: Cobalt	5 mg/kg	7440-48-4	91.0	---	75	125	---	---	---	---	---	---	
		EG020: Nickel	5 mg/kg	7440-02-0	95.6	---	75	125	---	---	---	---	---	---	
Matrix: WATER															
EG: Metals and Major Cations - Filtered (QCLot: 1227019)															
HK1001417-006	FIELD/AREA H GFSD-03/ 18-01-10	EG020: Cadmium	100 µg/L	7440-43-9	89.4	---	75	125	---	---	---	---	---	---	
		EG020: Cobalt	100 µg/L	7440-48-4	90.2	---	75	125	---	---	---	---	---	---	
		EG020: Nickel	100 µg/L	7440-02-0	90.6	---	75	125	---	---	---	---	---	---	

Contract No. : KL/2008/02	Revision No. : 1 Effective Date : 05 May 2010
Title: Remediation Report for Ex-GFS Building	

Appendix E
**Analytical Results of Laboratory
Tests for Closure Assessment**

ALS Technichem (HK) Pty Ltd

ALS Laboratory Group ANALYTICAL CHEMISTRY & TESTING SERVICES



CERTIFICATE OF ANALYSIS

Client : KIN WING CONSTRUCTION COMPANY LIMITED
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Facsimile : +852 2725 9316
Project : CONTRACT KL_2008_02 DECOMMISSIONING
OF KAI TAK AIRPORT
Order number : ---
C-O-C number : H010277
Site : KAI TAK

Laboratory : ALS Technichem HK Pty Ltd
Contact : Chan Kwok Fai, Godfrey
Address : 11/F., Chung Shun Knitting Centre,
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Kwai Chung, N.T., Hong Kong
E-mail : Godfrey.Chan@alsenviro.com
Telephone : +852 2610 1044
Facsimile : +852 2610 2021
Quote number : HK/403b/2008**

Page : 1 of 7
Work Order : HK0926537

Date Samples Received : 12-DEC-2009
Issue Date : 28-DEC-2009
No. of samples received : 8
No. of samples analysed : 8

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 date(s) and/or time(s) are shown bracketed, these have been assumed by the laboratory for processing purposes. If the sampling time is displayed as 0.00 the information was not provided by client. The completion date of analysis is:

23-DEC-2009

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: HK0926537

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.

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Signatories

Anh Ngoc Huynh
Fung Lim Chee, Richard

Position

Senior Chemist
General Manager

Authorised results for

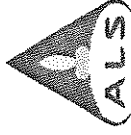
Organics
Inorganics

ALS Laboratory Group

Trading Name: ALS Technichem (HK) Pty Ltd

11/F., Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong
Tel: +852 2610 1044 Fax: +852 2610 2021 www.alsenviro.com

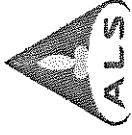
A Campbell Brothers Limited Company



Analytical Results

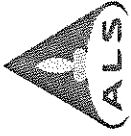
Sub-Matrix: SOIL

Compound	CAS Number	LOR	Client sampling date / time		Client sample ID		GFS-18/GFSB-01/FC1/0.5M/11-12-09	
			Unit	Unit	B1/S10/1.0M/11-12-09	B1/S11/1.0M/11-12-09		B1/S12/2.0M/11-12-09
EA/ED: Physical and Aggregate Properties								
EA055: Moisture Content (dried @ 103°C)		0.1	%	6.2	7.1	6.1	6.2	6.6
EP-071: 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	<100
C29 - C36 Fraction		100	mg/kg	<100	<100	<100	<100	<100
EP-075B: Polycyclic Aromatic Hydrocarbons (PAHs)								
Phenanthrene	85-01-8	0.5	mg/kg	---	---	---	---	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	---	---	---	---	<0.5
Pyrene	129-00-0	0.5	mg/kg	---	---	---	---	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	---	---	---	---	<0.5
EP-080S: TPH(Volatile)/BTX Surrogate								
Dibromofluoromethane	1868-53-7	0.1	%	108	107	100	106	106
Toluene-D8	2037-26-5	0.1	%	97.6	96.0	96.3	96.9	96.5
4-Bromofluorobenzene	460-00-4	0.1	%	93.4	93.2	95.5	93.7	93.7
EP-075S: Acid Extractable Surrogates								
2-Fluorophenol	367-12-4	0.1	%	---	---	---	---	82.7
Phenol-d6	13127-88-3	0.1	%	---	---	---	---	55.2
2,4,6-Tribromophenol	118-79-6	0.1	%	---	---	---	---	42.7
EP-075T: Base/Neutral Extractable Surrogates								
Nitrobenzene -d5	4165-60-0	0.1	%	---	---	---	---	83.4
2-Fluorobiphenyl	321-60-8	0.1	%	---	---	---	---	79.7
4-Terphenyl-d14	1718-51-0	0.1	%	---	---	---	---	73.8



Sub-Matrix: SOIL

Compound	Client sample ID		Client sampling date / time	LOR	CAS Number	Unit	%	Remarks
	GFSA-18/GFSB-01/FC2/	0.5M/ 11-12-09 [11-DEC-2009]						
EA/ED: Physical and Aggregate Properties								
EA055: Moisture Content (dried @ 103° C)								
				0.1		%	7.9	
EP-071: Total Petroleum Hydrocarbons (TPH)								
C6 - C9 Fraction		2	mg/kg				<2	
C10 - C14 Fraction		50	mg/kg				<50	
C15 - C28 Fraction		100	mg/kg				<100	
C29 - C36 Fraction		100	mg/kg				<100	
EP-075B: Polyaromatic Hydrocarbons (PAHs)								
Phenanthrene	85-01-8	0.5	mg/kg				<0.5	
Fluoranthene	206-44-0	0.5	mg/kg				<0.5	
Pyrene	129-00-0	0.5	mg/kg				<0.5	
Benzo(a)pyrene	50-32-8	0.5	mg/kg				<0.5	Surrogate control limits listed at end of this report.
EP-080S: TPH(Volatile)/BTEX Surrogate								
Dibromofluoromethane	1868-53-7	0.1	%				107	
Toluene-D8	2037-26-5	0.1	%				96.5	
4-Bromofluorobenzene	460-00-4	0.1	%				94.9	Surrogate control limits listed at end of this report.
EP-075S: Acid Extractable Surrogates								
2-Fluorophenol	367-12-4	0.1	%				71.6	
Phenol-d6	13127-88-3	0.1	%				46.1	
2,4,6-Tribromophenol	118-79-6	0.1	%				34.9	Surrogate control limits listed at end of this report.
EP-075T: Base/Neutral Extractable Surrogates								
Nitrobenzene -d5	4165-60-0	0.1	%				75.7	
2-Fluorobiphenyl	321-60-8	0.1	%				72.0	
4-Terphenyl-d14	1718-51-0	0.1	%				65.0	



Page Number : 4 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0926537

Sub-Matrix: WATER

Compound	Client sample ID		Unit	LOR	Client sampling date / time		EQUIPMENT/GFSA-18/ GFSB-01/FC2/ 0.5M/11-12-09 [11-DEC-2009]	FIELD/GFSA-18/GFSB-0 1/11-12-09 [11-DEC-2009]	HK0926537-008
	CAS Number	Unit			Unit	Unit			
EP-071: Total Petroleum Hydrocarbons (TPH)									
C6 - C9 Fraction	---	20	µg/L				<20		<20
C10 - C14 Fraction	---	50	µg/L				<50		<50
C15 - C28 Fraction	---	100	µg/L				<100		<100
C29 - C36 Fraction	---	50	µg/L				<50		<50
EP-075B: Polyaromatic Hydrocarbons (PAHs)									
Phenanthrene	85-01-8	2	µg/L				<2		<2
Fluoranthene	206-44-0	2	µg/L				<2		<2
Pyrene	129-00-0	2	µg/L				<2		<2
Benzo(a)pyrene	50-32-8	2	µg/L				<2		<2
EP-080S: TPH(Volatile)/BTEX Surrogate									
Dibromofluoromethane	1868-53-7	0.1	%				98.3		98.1
Toluene-D8	2037-26-5	0.1	%				102		103
4-Bromofluorobenzene	460-00-4	0.1	%				91.6		90.6
EP-075S: Acid Extractable Surrogates									
2-Fluorophenol	367-12-4	0.1	%				43.6		29.8
Phenol-d6	13127-88-3	0.1	%				27.9		39.7
2,4,6-Tribromophenol	118-79-6	0.1	%				48.3		41.6
EP-075T: Base/Neutral Extractable Surrogates									
Nitrobenzene -d5	4165-60-0	0.1	%				65.4		51.0
2-Fluorobiphenyl	321-60-8	0.1	%				62.9		52.6
4-Terphenyl-d14	1718-51-0	0.1	%				73.8		67.2

Surrogate control limits listed at end of this report.

Surrogate control limits listed at end of this report.

Surrogate control limits listed at end of this report.



Page Number : 5 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0926537

Laboratory Duplicate (DUP) Report

Matrix: SOIL		Laboratory Duplicate (DUP) Report	
Laboratory sample ID	Client sample ID	Method: Compound	Method: Compound
EA(ED): Physical and Aggregate Properties (QC Lot: 1199439)			
HK0926537-001	B1/S10/1_DM/11-12-09	EA055: Moisture Content (dried @ 103°C)	
			6.2
			6.6
			5.5
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1198684)			
HK0926537-001	B1/S10/1_DM/11-12-09	C15 - C28 Fraction	<100
		C29 - C36 Fraction	<100
		C10 - C14 Fraction	<50
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1198691)			
HK0926537-001	B1/S10/1_DM/11-12-09	C6 - C9 Fraction	<2
EP-075B: Polyaromatic Hydrocarbons (PAHs) (QC Lot: 1191898)			
HK0925991-001	Anonymous	Phenanthrene	<0.5
		Fluoranthene	<0.5
		Pyrene	<0.5
		Benzo(a)pyrene	<0.5

Matrix: WATER		Laboratory Duplicate (DUP) Report	
Laboratory sample ID	Client sample ID	Method: Compound	Method: Compound
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1191194)			
HK0926069-004	Anonymous	C6 - C9 Fraction	<20

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

Matrix: SOIL		Method Blank (MB) Report		Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report	
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1198684)					
C10 - C14 Fraction	---	50	mg/kg	<50	16 mg/kg
C15 - C28 Fraction	---	100	mg/kg	<100	53 mg/kg
C29 - C36 Fraction	---	100	mg/kg	<100	45 mg/kg
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1198691)					
C6 - C9 Fraction	---	2	mg/kg	<2	4 mg/kg
EP-075B: Polyaromatic Hydrocarbons (PAHs) (QC Lot: 1191898)					
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	0.25 mg/kg
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	0.25 mg/kg
Pyrene	129-00-0	0.5	mg/kg	<0.5	0.25 mg/kg
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	0.25 mg/kg

Method Blank (MB) Report: Result <20 µg/L
 Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report: Recovery Limits (Low: 44, High: 134), Value: ---, RPD (%): ---
 Method Blank (MB) Report: Result <20 µg/L
 Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report: Recovery Limits (Low: 73, High: 116), Value: ---, RPD (%): ---



Method Blank (MB) Report				Laboratory Control Spike (LCS) and Laboratory Control Spike Duplicate (DCS) Report			
Method: Compound	CAS Number	LOR	Unit	Result	Spike Concentration	Spike Recovery (%)	RPD (%)
					LCS	DCS	
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1195014)							
C10 - C14 Fraction	—	50	µg/L	<50	150 µg/L	96.9	37
C15 - C28 Fraction	—	100	µg/L	<100	350 µg/L	106	50
C29 - C36 Fraction	—	50	µg/L	<50	300 µg/L	93.1	24
EP-075B: Polyaromatic Hydrocarbons (PAHs) (QC Lot: 1193434)							
Phenanthrene	85-01-8	2	µg/L	<2	78.0	—	66
Fluoranthene	206-44-0	2	µg/L	<2	79.7	—	71
Pyrene	129-00-0	2	µg/L	<2	80.2	—	71
Benzo(a)pyrene	50-32-8	2	µg/L	<2	78.3	—	62

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

Laboratory sample ID	Client sample ID	Method: Compound	CAS Number	Spike Concentration	Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Report			RPD (%)	Control Limit
					MS	MSD	Recovery Limits (%)		
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1198684)									
HK0926537-002	B1/S10/2.0M/1-12-09	C10 - C14 Fraction	—	16 mg/kg	98.8	—	50	130	—
		C15 - C28 Fraction	—	53 mg/kg	106	—	50	130	—
		C29 - C36 Fraction	—	45 mg/kg	106	—	50	130	—
EP-071: Total Petroleum Hydrocarbons (TPH) (QC Lot: 1198691)									
HK0926537-002	B1/S10/2.0M/1-12-09	C6 - C9 Fraction	—	4 mg/kg	92.1	—	50	130	—

Surrogate Control Limits

Compound	CAS Number	Recovery Limits (%)	
		Low	High
Sub-Matrix: SOIL			
EP-080S: 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-075S: Acid Extractable Surrogates			
2-Fluorophenol	367-12-4	25	121
Phenol-d6	13127-88-3	24	113
2,4,6-Tribromophenol	118-79-6	20	122
EP-075T: Base/Neutral Extractable Surrogates			
Nitrobenzene-d5	4165-60-0	23	120
2-Fluorobiphenyl	321-60-8	30	115
4-Terphenyl-d14	1718-51-0	20	137
Sub-Matrix: WATER			
Compound	CAS Number	Low	High



Page Number : 7 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0926537

Compound	CAS Number	Recovery Limits (%)	
		Low	High
Sub-Matrix: WATER			
EP-080S: TPH(Volatile)/BTEX Surrogate			
Dibromofluoromethane	1868-53-7	86	118
Toluene-D8	2037-26-5	88	110
4-Bromofluorobenzene	460-00-4	86	115
EP-075S: Acid Extractable Surrogates			
2-Fluorophenol	367-12-4	21	100
Phenol-d6	13127-88-3	20	94
2,4,6-Tribromophenol	118-79-6	20	123
EP-075T: Base/Neutral Extractable Surrogates			
Nitrobenzene -d5	4165-60-0	35	114
2-Fluorobiphenyl	321-60-8	43	116
4-Terphenyl-d14	1718-51-0	33	141

Contract No. : KL/2008/02	Revision No. : 1
Title: Remediation Report for Ex-GFS Building	Effective Date : 05 May 2010

Appendix F
Analytical Results of Laboratory
Tests of Confirmation Samples
Collected by ET

TEST REPORT

APPLICANT: Cinotech Consultants Limited
Room 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.:	09753
Date of Issue:	2009-12-03
Date Received:	2009-11-27
Date Tested:	2009-11-27
Date Completed:	2009-12-03

ATTN: Mr. Henry Leung

Page: 1 of 1

Sample Description : 1 solid sample as received from customer said to be soil

Project No. : MA8017

Custody No. : MA8017/91127-1

Sampling Site : Kai Tak Development – Decommissioning and Decontamination Work at
The South Apron of the Former Kai Tak Airport

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of reporting
1	Phenanthrene	In-house method SOP086 & 090 & 091 (GC/MSD)	55 µg/kg
2	Fluoranthene		55 µg/kg
3	Benzo(a)pyrene		55 µg/kg
4	Pyrene		55 µg/kg

Results:

Sample ID	Area "A" GFSA-18/Bottom/1.5M/BBC/26-11-09
Sample No.	09753-1
Phenanthrene, µg/kg	<55
Fluoranthene, µg/kg	<55
Benzo(a)pyrene, µg/kg	<55
Pyrene, µg/kg	<55

Remark: 1) <= less than

2) Results reported as dry weight basis

*****END OF REPORT*****

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**



PATRICK TSE

Laboratory Manager

TEST REPORT

APPLICANT: Cinotech Consultants Limited
Room 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.:	09753A
Date of Issue:	2009-12-03
Date Received:	2009-11-27
Date Tested:	2009-11-27
Date Completed:	2009-12-03

ATTN: Mr. Henry Leung

Page: 1 of 1

Sample Description : 1 solid sample as received from customer said to be soil

Project No. : MA8017

Custody No. : MA8017/91127-1

Sampling Site : Kai Tak Development – Decommissioning and Decontamination Work at
The South Apron of the Former Kai Tak Airport

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of reporting
1	TPH (C6-C9)	USEPA 8260	50 mg/kg
2	TPH (C10-C14)	USEPA 8260	50 mg/kg
3	TPH (C15-C28)	USEPA 8260	50 mg/kg
4	TPH (C29-C36)	USEPA 8260	50 mg/kg

Results:

Sample ID	Area "D" GFSB-01/Bottom/2.15M/BBC/26-11-09
Sample No.	09753-2
TPH (C6-C9), mg/kg	<50
TPH (C10-C14), mg/kg	60
TPH (C15-C28), mg/kg	60
TPH (C29-C36), mg/kg	80

Remark: 1) <= less than

2) Results reported as dry weight basis

*****END OF REPORT*****

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**


PATRICK TSE
Laboratory Manager

TEST REPORT

APPLICANT: Cinotech Consultants Limited
Room 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.:	09915
Date of Issue:	2009-12-21
Date Received:	2009-12-11
Date Tested:	2009-12-11
Date Completed:	2009-12-21

ATTN: Mr. Henry Leung

Page: 1 of 1

Sample Description : 1 solid sample as received from customer said to be soil

Project No. : MA8017

Custody No. : MA8017/91211-1

Sampling Site : Kai Tak Development – Decommissioning and Decontamination Work at
The South Apron of the Former Kai Tak Airport

Sampling Date: 2009-12-03

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of reporting
1	Cadmium	In-house method SOP053	0.05 mg/kg
2	Lead	(ICP-ES)& In-house method SOP093 & SOP094 (ICPMS)	0.1 mg/kg

Results:

Sample ID	Area "E"/GFSD-04/Bottom/4.2M/BBC/03-12-09
Sample No.	09915-1
Cadmium, mg/kg	0.21
Lead, mg/kg	60

Remark: 1) <= less than

2) Results reported as dry weight basis

*****END OF REPORT*****

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**



PATRICK TSE

Laboratory Manager

TEST REPORT

APPLICANT: Cinotech Consultants Limited
Room 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.:	09915A
Date of Issue:	2009-12-21
Date Received:	2009-12-11
Date Tested:	2009-12-11
Date Completed:	2009-12-21

ATTN: Mr. Henry Leung

Page: 1 of 2

Sample Description : 1 solid sample as received from customer said to be soil

Project No. : MA8017

Custody No. : MA8017/91211-1

Sampling Site : Kai Tak Development – Decommissioning and Decontamination Work at
The South Apron of the Former Kai Tak Airport

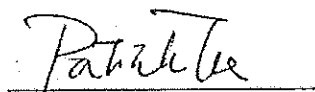
Sampling Date: 2009-12-11

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of reporting
1	Phenanthrene	In-house method SOP086 & 090 & 091 (GC/MSD)	55 µg/kg
2	Fluoranthene		55 µg/kg
3	Benzo(a)pyrene		55 µg/kg
4	Pyrene		55 µg/kg
1	TPH (C6-C9)	USEPA 8260	50 mg/kg
2	TPH (C10-C14)		50 mg/kg
3	TPH (C15-C28)		50 mg/kg
4	TPH (C29-C36)		50 mg/kg

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**



PATRICK TSE

Laboratory Manager

TEST REPORT

Laboratory No.:	09915A
Date of Issue:	2009-12-21
Date Received:	2009-12-11
Date Tested:	2009-12-11
Date Completed:	2009-12-21
Page:	2 of 2

Results:

Sample ID	GFSA-18/GFSB-01/FC20/5a/12-12-09
Sample No.	09915-2
Phenanthrene, µg/kg	<55
Fluoranthene, µg/kg	<55
Benzo(a)pyrene, µg/kg	<55
Pyrene, µg/kg	<55
TPH (C6-C9), mg/kg	<50
TPH (C10-C14), mg/kg	<50
TPH (C15-C28), mg/kg	<50
TPH (C29-C36), mg/kg	<50

Remark: 1) < = less than

2) Results reported as dry weight basis

*****END OF REPORT*****

TEST REPORT

APPLICANT: Cinotech Consultants Limited
Room 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.:	10168
Date of Issue:	2010-01-07
Date Received:	2010-01-05
Date Tested:	2010-01-05
Date Completed:	2010-01-07

ATTN: Mr. Henry Leung

Page: 1 of 1

Sample Description : 1 solid sample as received from customer said to be soil

Project No. : MA8017

Custody No. : MA8017/20100105-1

Sampling Site : Kai Tak Development – Decommissioning and Decontamination Work at
The South Apron of the Former Kai Tak Airport

Sampling Date: 2010-01-05

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of reporting
1	Cadmium	In-house method SOP053 (ICP-ES)&	0.05 mg/kg
2	Lead		0.1 mg/kg
3	Zinc	In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg

Results:

Sample ID	Area "C"/GFSD-03/C4-C1/1.0M/04-01-10
Sample No.	10168-1
Cadmium, mg/kg	0.20
Lead, mg/kg	60
Zinc, mg/kg	55

Remark: 1) <= less than

2) Results reported as dry weight basis

*****END OF REPORT*****

PREPARED AND CHECKED BY:

For and On Behalf of **WELLAB Ltd.**



PATRICK TSE

Laboratory Manager

TEST REPORT

APPLICANT: Cinotech Consultants Limited
Room 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.:	10299
Date of Issue:	2010-01-26
Date Received:	2010-01-20
Date Tested:	2010-01-20
Date Completed:	2010-01-26

ATTN: Mr. Henry Leung

Page: 1 of 1

Sample Description : 1 solid sample as received from customer said to be soil
Project No. : MA8017
Custody No. : MA8017/20100120
Sampling Site : Kai Tak Development – Decommissioning and Decontamination Work at
The South Apron of the Former Kai Tak Airport
Sampling Date: 2010-01-18

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of reporting
1	Cadmium	In-house method SOP053	0.05 mg/kg
2	Nickel	(ICP-ES)&	0.2 mg/kg
3	Cobalt	In-house method SOP093 & SOP094 (ICPMS)	0.1 mg/kg

Results:

Sample ID	AREA "H" GFSD-03 Bottom 14.25m
Sample Number	10299-1
Cadmium, mg/kg	<0.05
Nickel, mg/kg	0.7
Cobalt, mg/kg	2.3

Remark 1) <= less than

*****END OF REPORT*****

PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**



PATRICK TSE

Laboratory Manager

TEST REPORT

APPLICANT: Cinotech Consultants Limited
Room 1710, Technology Park,
18 On Lai Street,
Shatin, N.T., Hong Kong

Laboratory No.:	10299A
Date of Issue:	2010-01-26
Date Received:	2010-01-20
Date Tested:	2010-01-20
Date Completed:	2010-01-26

ATTN: Mr. Henry Leung

Page: 1 of 1

Sample Description : 1 solid sample as received from customer said to be soil
Project No. : MA8017
Custody No. : MA8017/20100120
Sampling Site : Kai Tak Development – Decommissioning and Decontamination Work at
The South Apron of the Former Kai Tak Airport
Sampling Date: 2010-01-14

Test Requested & Methodology:

Item	Parameters	Ref. Method	Limit of reporting
1	Cadmium	In-house method SOP053 (ICP-ES)&	0.05 mg/kg
2	Lead		0.1 mg/kg
3	Zinc	In-house method SOP093 & SOP094 (ICPMS)	0.2 mg/kg


Results:

Sample ID	AREA "C" GFSD-03 Bottom 1.5m
Sample Number	10299-2
Cadmium, mg/kg	<0.05
Lead, mg/kg	72
Zinc, mg/kg	51

Remark 1) <= less than

*****END OF REPORT*****

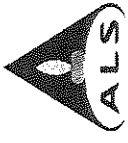
PREPARED AND CHECKED BY:
For and On Behalf of **WELLAB Ltd.**



PATRICK TSE
Laboratory Manager

Contract No. : KL/2008/02	Revision No. : 1
Title: Remediation Report for Ex-GFS Building	Effective Date : 05 May 2010

Appendix G
Analytical Results of QA/QC
Samples



Page Number : 4 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1000207

Sub-Matrix: WATER

Compound	CAS Number	LOR	Unit	Client sample ID		EQUIPMENT/AREA
				FIELD/AREA	EQUIPMENT/AREA	
				Client sampling date / time		
				CAS Number	LOR	Unit
EG: Metals and Major Cations - Filtered						
EG020: Cadmium	7440-43-9	0.2	µg/L	"C"/GFSD-03/ 04-01-10 [04-JAN-2010]	"C"/GFSD-03/ 1.0W/C4-C1/04-01-10 [04-JAN-2010]	<0.2
EG020: Lead	7439-92-1	1	µg/L	HK1000207-005	HK1000207-006	<1
EG020: Zinc	7440-66-6	10	µg/L			<10



Page Number : 5 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001263

Sub-Matrix: WATER

Client sample ID		Client sampling date / time	
Field/Area C	Equipment/Area C	LOR	Unit
GFSD-03/BOTTOM/ 1.5M/14-01-10	GFSD-03/ BOTTOM/1.5M/14-01-1 0	[14-JAN-2010]	[14-JAN-2010]
HK1001263-003	HK1001263-004		
Compound	CAS Number	LOR	Unit
EG: Metals and Major Cations - Filtered			
EG020: Cadmium	7440-43-9	0.2	µg/L
EG020: Lead	7439-92-1	1	µg/L
EG020: Zinc	7440-66-6	10	µg/L
			<0.2
			<1
			<10



Page Number : 3 of 5
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0915494

Sub-Matrix: WATER

Client sample ID : FIELD D1-D2/29-07-09
 Client sampling date / time : [29-JUL-2009]
 CAS Number : HK0915494-001
 LOR : HK0915494-001
 Unit :
 Equipment : D3-D4/29-07-09
 [29-JUL-2009]
 HK0915494-002

Compound	CAS Number	LOR	Unit	Field D1-D2/29-07-09	Equipment
EP-071: Total Petroleum Hydrocarbons (TPH)					
C6 - C9 Fraction	---	20	µg/L	<20	<20
C10 - C14 Fraction	---	50	µg/L	<50	<50
C15 - C28 Fraction	---	100	µg/L	<100	<100
C29 - C36 Fraction	---	50	µg/L	<50	<50
EP-080S: TPH(Volatile)/BTEX Surrogate					
Dibromofluoromethane	1868-53-7	0.1	%	102	102
Toluene-D8	2037-26-5	0.1	%	101	100
4-Bromofluorobenzene	460-00-4	0.1	%	86.4	86.9

Surrogate control limits listed at end of this report.



Page Number : 3 of 5
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925087

Sub-Matrix: WATER		Client sample ID	
Compound	CAS Number	LOR	Unit
Client sampling date / time			
EP-071: Total Petroleum Hydrocarbons (TPH)			
C6 - C9 Fraction	—	20	µg/L
C10 - C14 Fraction	—	50	µg/L
C15 - C28 Fraction	—	100	µg/L
C29 - C36 Fraction	—	50	µg/L
EP-080S: TPH(Volatile)/BTEX Surrogate			
Dibromofluoromethane	1868-53-7	0.1	%
Toluene-D8	2037-26-5	0.1	%
4-Bromofluorobenzene	460-00-4	0.1	%
		96.0	96.4
		101	98.9
		96.4	93.2
Surrogate control limits listed at end of this report.			
FIELD/AREA D, GFSB-01/26-11-09	EQUIPMENT/AREA D, GFSB-01/ BOTTOM/2.15M/BBC/2 6-11-09	[26-NOV-2009] HK0925087-003	[26-NOV-2009] HK0925087-004



Page Number : 4 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0924663

Sub-Matrix: WATER		Client sample ID		EQUIPMENT/AREA E	
Compound	CAS Number	LOR	Unit	FIELD-GFSA-17-20-11-09	BOTTOM/2.2M/BBC/20-11-09
		Client sampling date / time		[20-NOV-2009]	[20-NOV-2009]
EG020: Cadmium	7440-43-9	0.2	µg/L	HK0924663-005	HK0924663-006
EG020: Lead	7439-92-1	1	µg/L		
EG020: Major Cations - Filtered					
				<0.2	<1

PRELIMINARY REPORT FOR REFERENCE ONLY

Page Number : 5 of 7
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK0925924



Sub-Matrix: WATER

Compound	CAS Number	Client sampling date / time		Unit	FIELD/AREA	EQUIPMENT/AREA
		LOI	Unit			
EG: Metals and Major Cations - Filtered					E/GFSD-04/03-12-09	E/GFSD-04/BOTTOM/4.2/WIBC/03-12-09
EG020: Cadmium	7440-43-9	0.2		µg/L	[03-DEC-2009]	[03-DEC-2009]
EG020: Lead	7439-92-1	1		µg/L	HK0925924-002	HK0925924-003



Page Number : 4 of 6
 Client : KIN WING CONSTRUCTION COMPANY LIMITED
 Work Order : HK1001417

Client sample ID	Client sampling date / time	Laboratory sample ID	Compound LOR Unit	EG020: Cadmium 0.2 µg/L EG: Metals and Major Cations - Filtered	EG020: Cobalt 1 µg/L EG: Metals and Major Cations - Filtered	EG020: Nickel 1 µg/L EG: Metals and Major Cations - Filtered
FIELD/AREA H GFSD-03/ 18-01-10 EQUIPMENT/AREA H GFSD-03/ BOTTOM/4.25M/18-01-10	[18-JAN-2010]	HK1001417-006		<0.2	<1	<1
	[18-JAN-2010]	HK1001417-007		<0.2	<1	<1

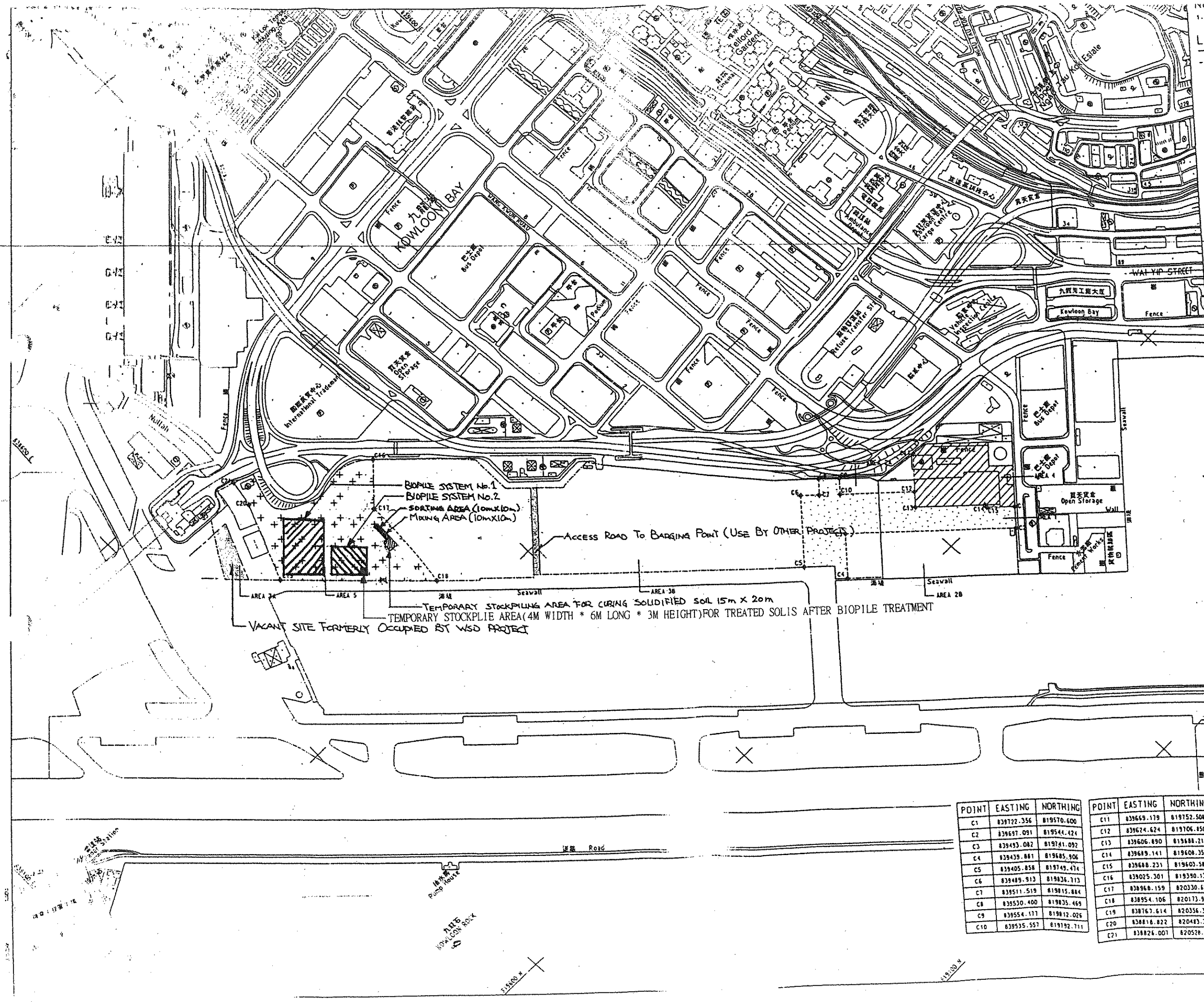
Contract No. : KL/2008/02	Revision No. : 1
Title: Remediation Report for Ex-GFS Building	Effective Date : 05 May 2010

Appendix H

**Location Plan of Temporary
Stockpile Area for Treated Soil**

NOTES:
1. COORDINATES TO BE CONFIRMED ON SITE BY THE ENGINEER.

LEGENDS:
SITE BOUNDARY
DIVISION LINE BETWEEN AREAS OF THE SITE



A	WORKING DRAWING	FIM LNK MAY.
-	TENDER DRAWING	FIM LNK FEB.
	REVISION	NO. DATE
Civil Engineering and Development Department KOWLOON DEVELOPMENT OFFICE		

KAI TAK DEVELOPMENT
ENGINEERING STUDY CUM DESIGN AND
CONSTRUCTION OF ADVANCE WORKS - INVESTIGATION
DESIGN AND CONSTRUCTION

CONTRACT NO. KL/2008/02 KAI TAK
DEVELOPMENT - DECOMMISSIONING AND
DECONTAMINATION WORKS AT THE SOUTH
APRON OF THE FORMER KAI TAK AIRPORT

LOCATION PLAN OF
TEMPORARY STOCKPILE
AREA FOR TREATED SOILS

MAUNSELL | AECOM
Maunsell Consultants Asia Ltd.
茂盛(亞洲)工程顧問有限公司

DRG. NO.	60022408/15/1003A
DATE	15/03/08
SCALE	AS SHOWN
PROJECT	KAI TAK DEVELOPMENT
DATE	15/03/08
SCALE	AS SHOWN
PROJECT	KAI TAK DEVELOPMENT

POINT	EASTING	NORTHING
C1	839722.356	819570.600
C2	839697.091	819544.424
C3	839493.082	819741.092
C4	839439.881	819685.906
C5	839405.858	819749.474
C6	839489.913	819836.713
C7	839511.519	819815.884
C8	839530.400	819835.469
C9	839554.177	819812.026
C10	839535.557	819792.711

POINT	EASTING	NORTHING
C11	839669.139	819752.504
C12	839624.624	819706.850
C13	839606.890	819688.211
C14	839689.141	819608.350
C15	839688.231	819603.580
C16	839025.301	819390.136
C17	839968.159	820330.657
C18	838954.106	820173.917
C19	838767.614	820356.374
C20	838818.822	820483.346
C21	838826.007	820528.441