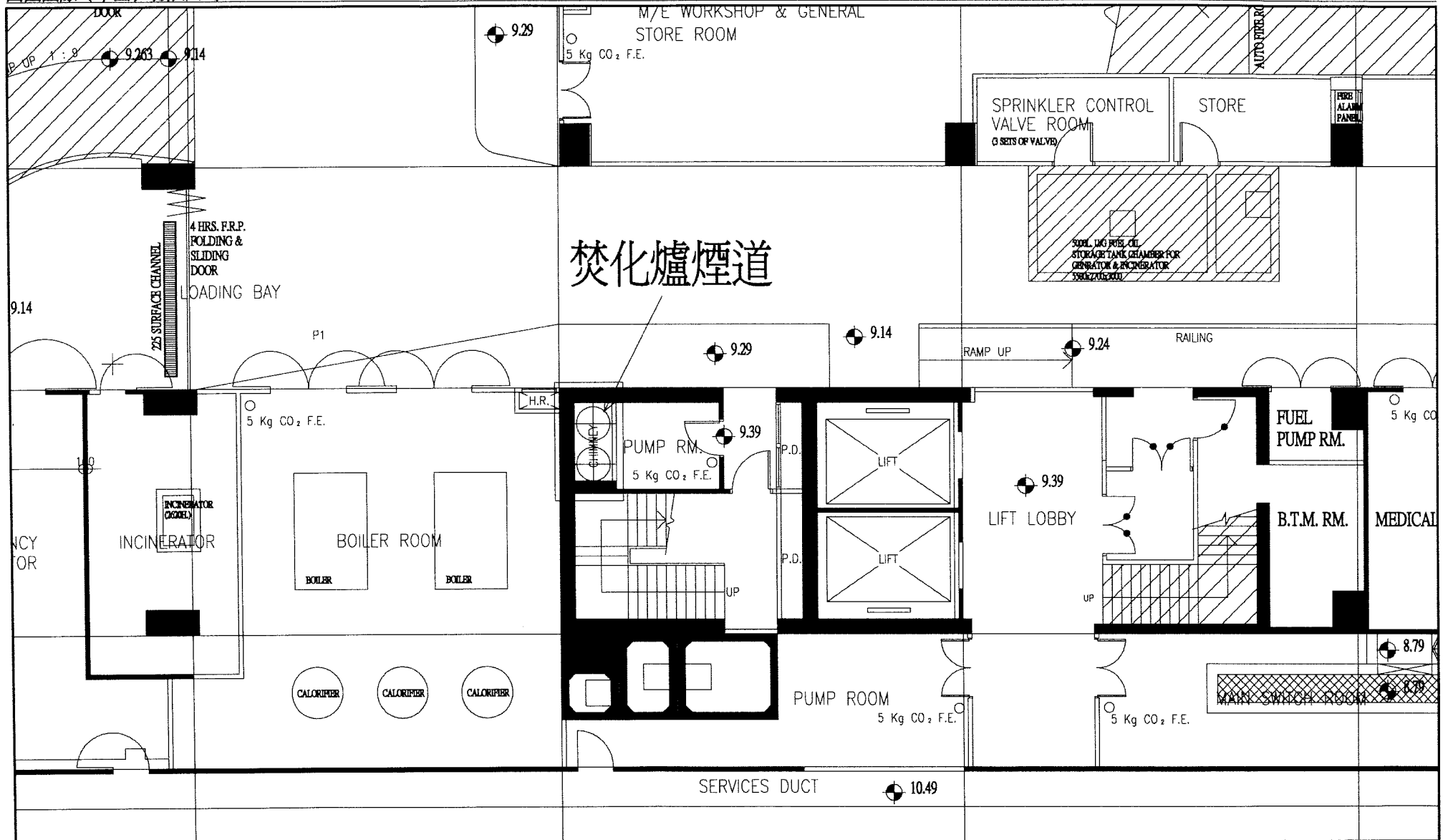


附件 甲

焚化爐煙道的位置



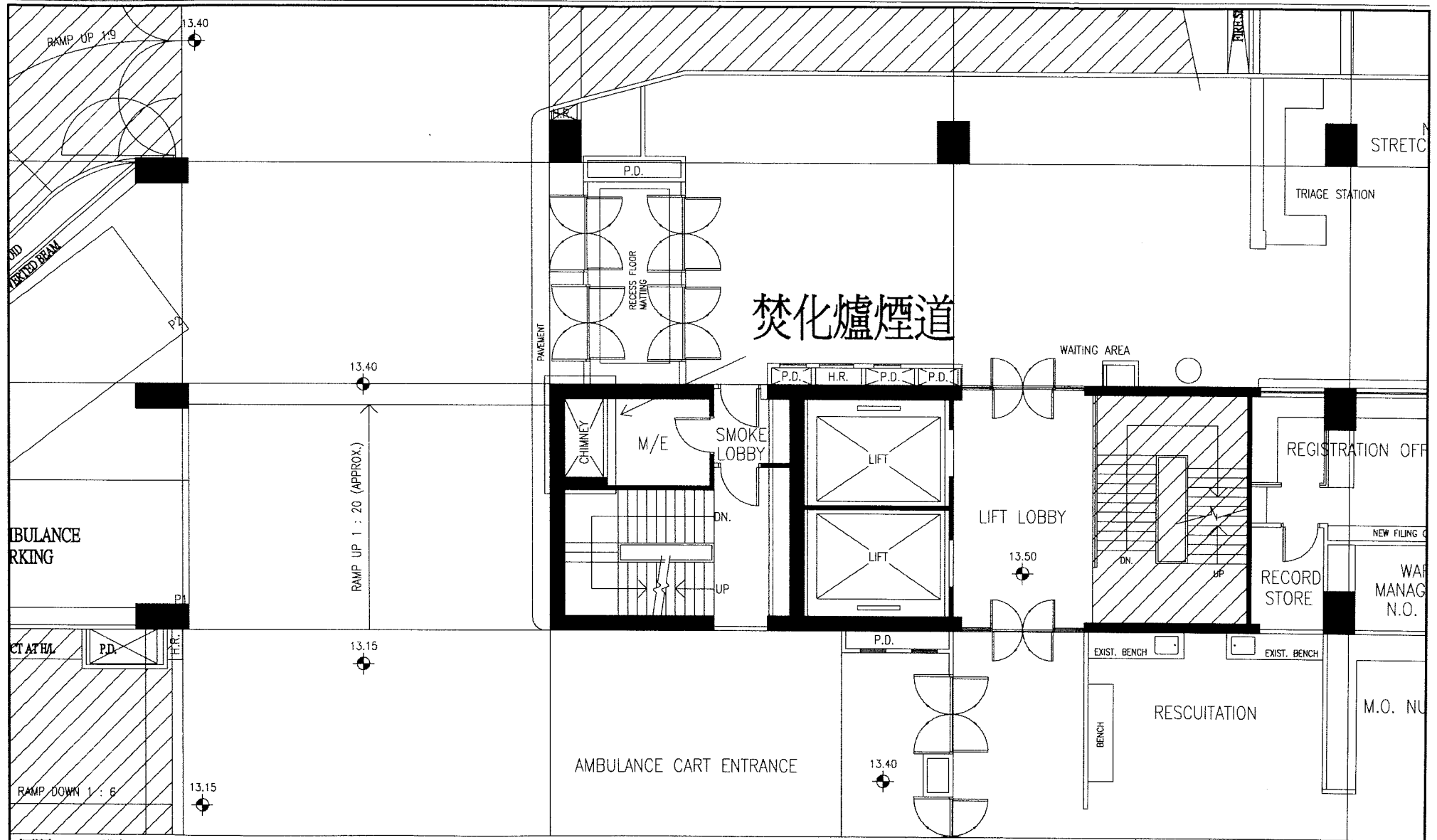
標題: 底層

西圖國際(中國)有限公司

工程: 清拆及處理位於鄧肇堅醫院的醫療廢物焚化爐

比例: NTS

附件 A1



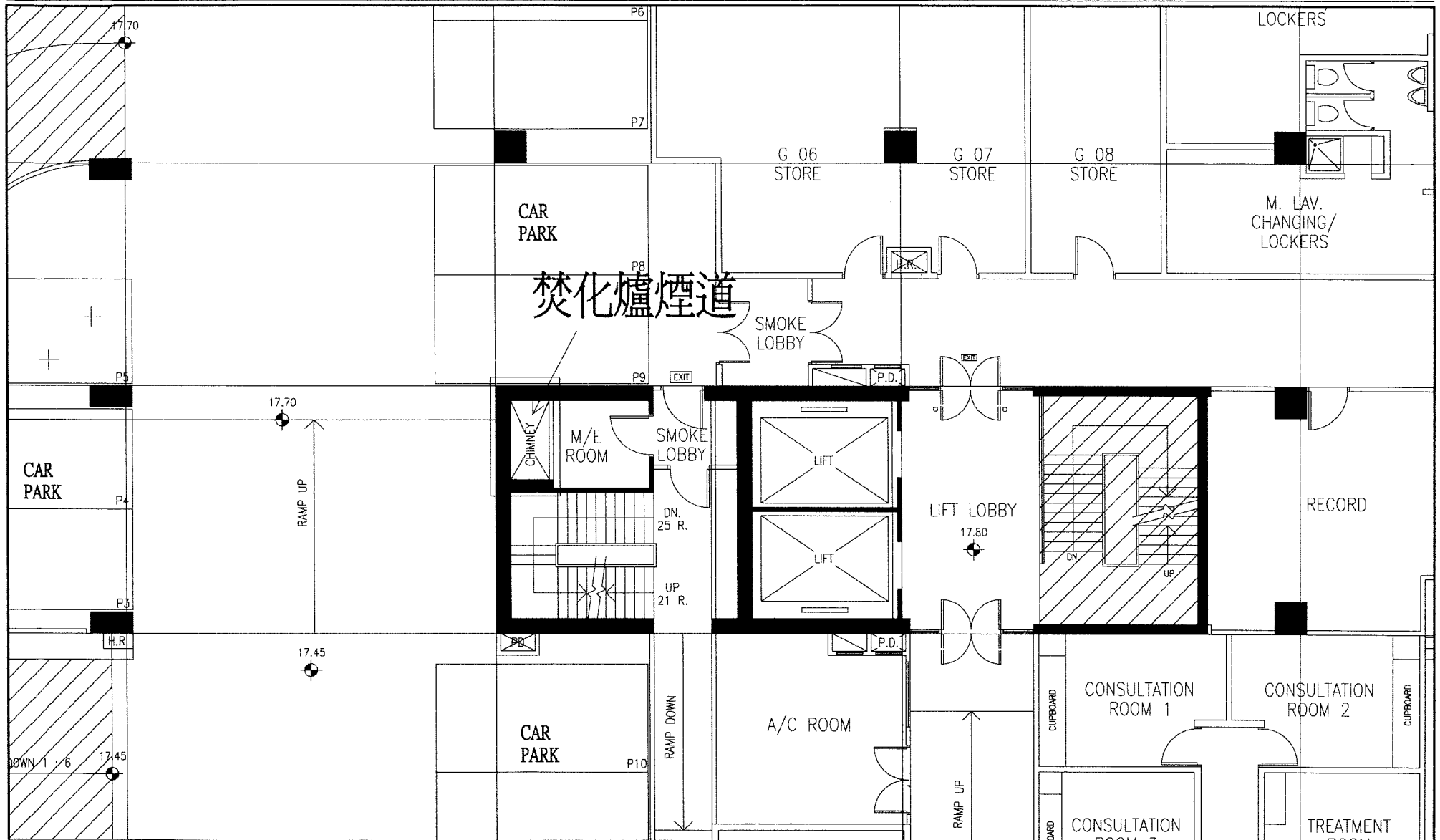
標題: 下層

工程: 清拆及處理位於鄧肇堅醫院的醫療廢物焚化爐

西圖國際(中國)有限公司

比例: NTS

附件 A2

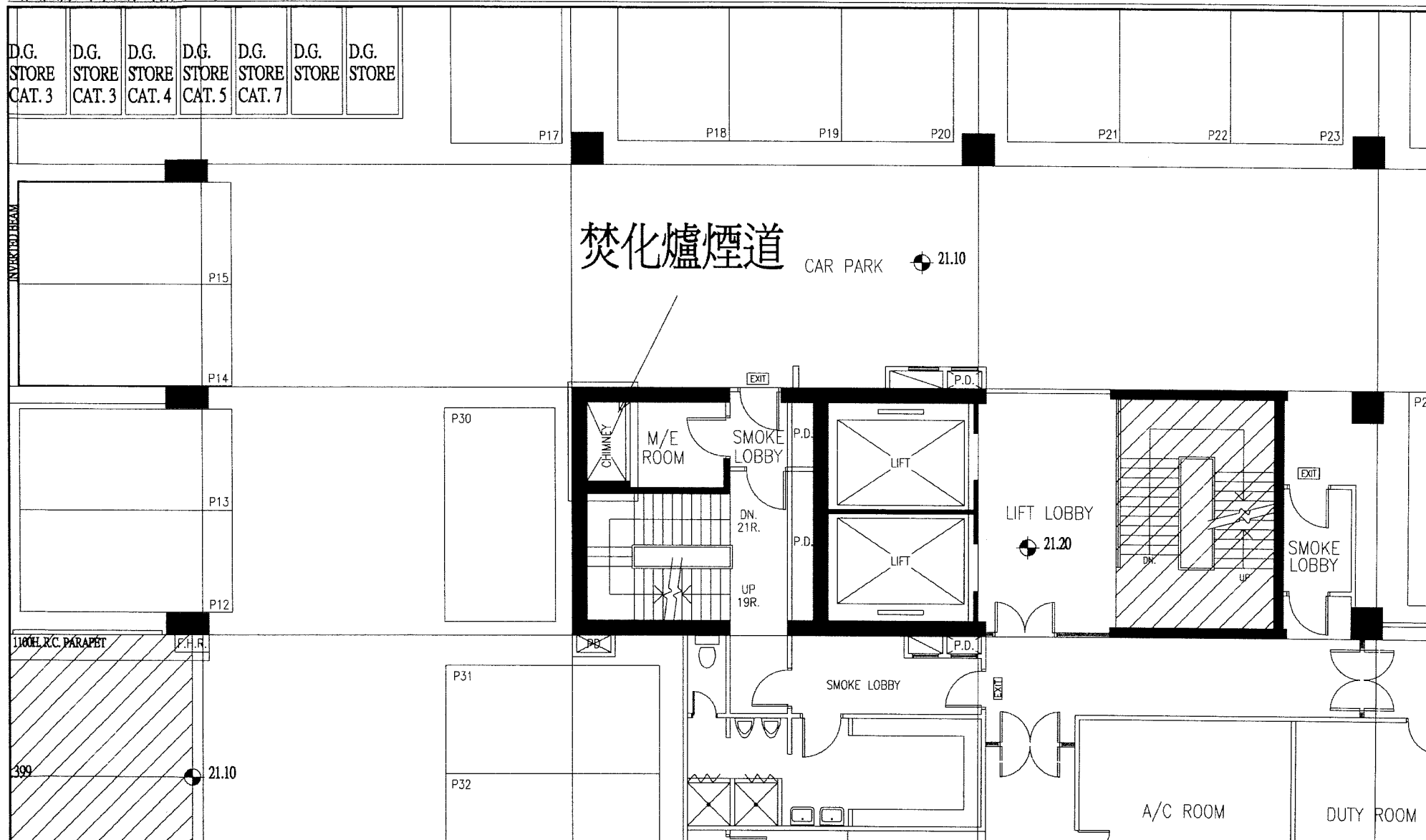


標題: 地面

工程: 清拆及處理位於鄧肇聖醫院的醫療廢物焚化爐

西圖國際(中國)有限公司

比例: NTS 附件 A3



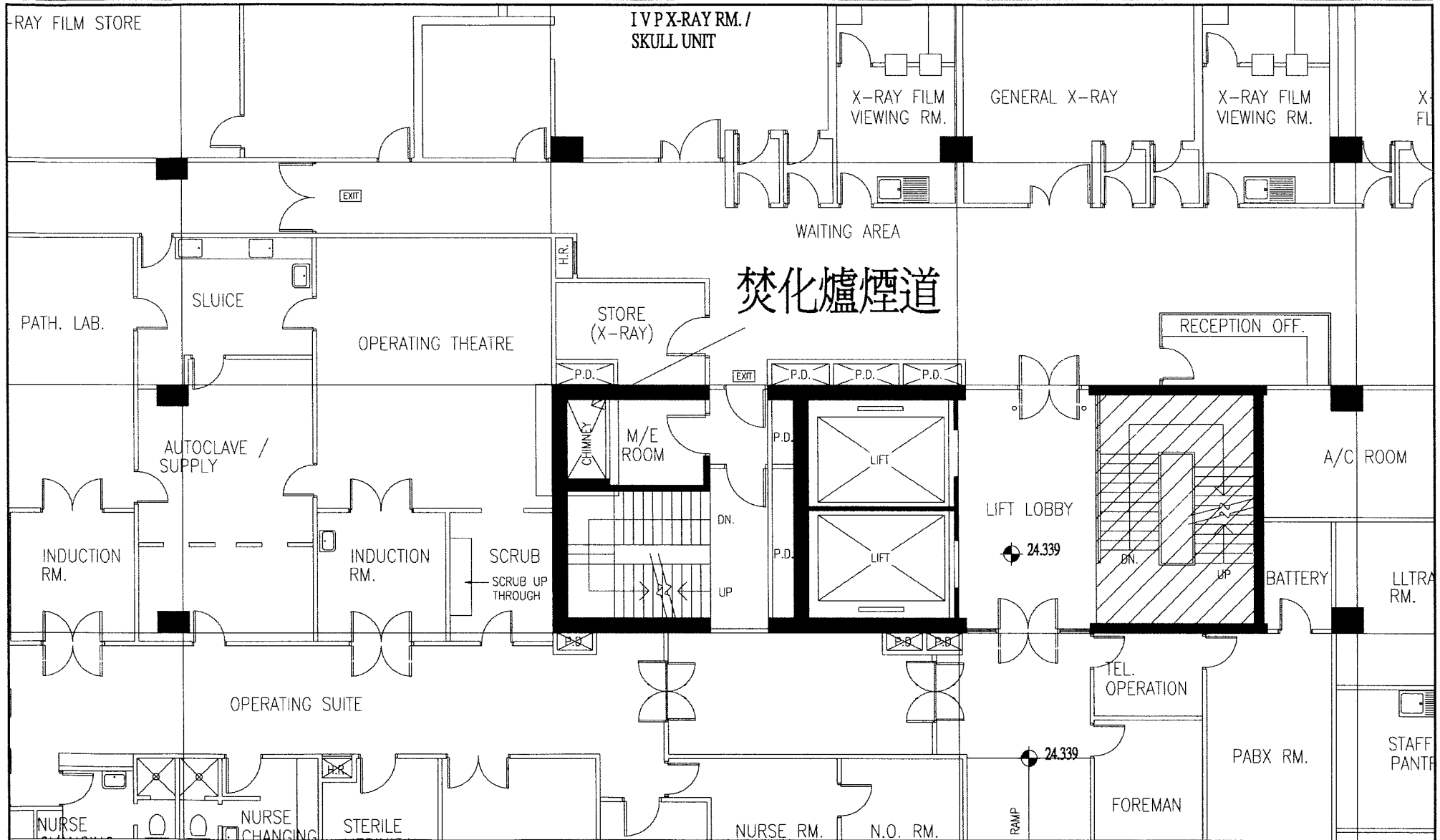
標題: 第一層

西圖國際(中國)有限公司

工程: 清拆及處理位於鄧肇堅醫院的醫療廢物焚化爐

比例: NTS

附件 A4

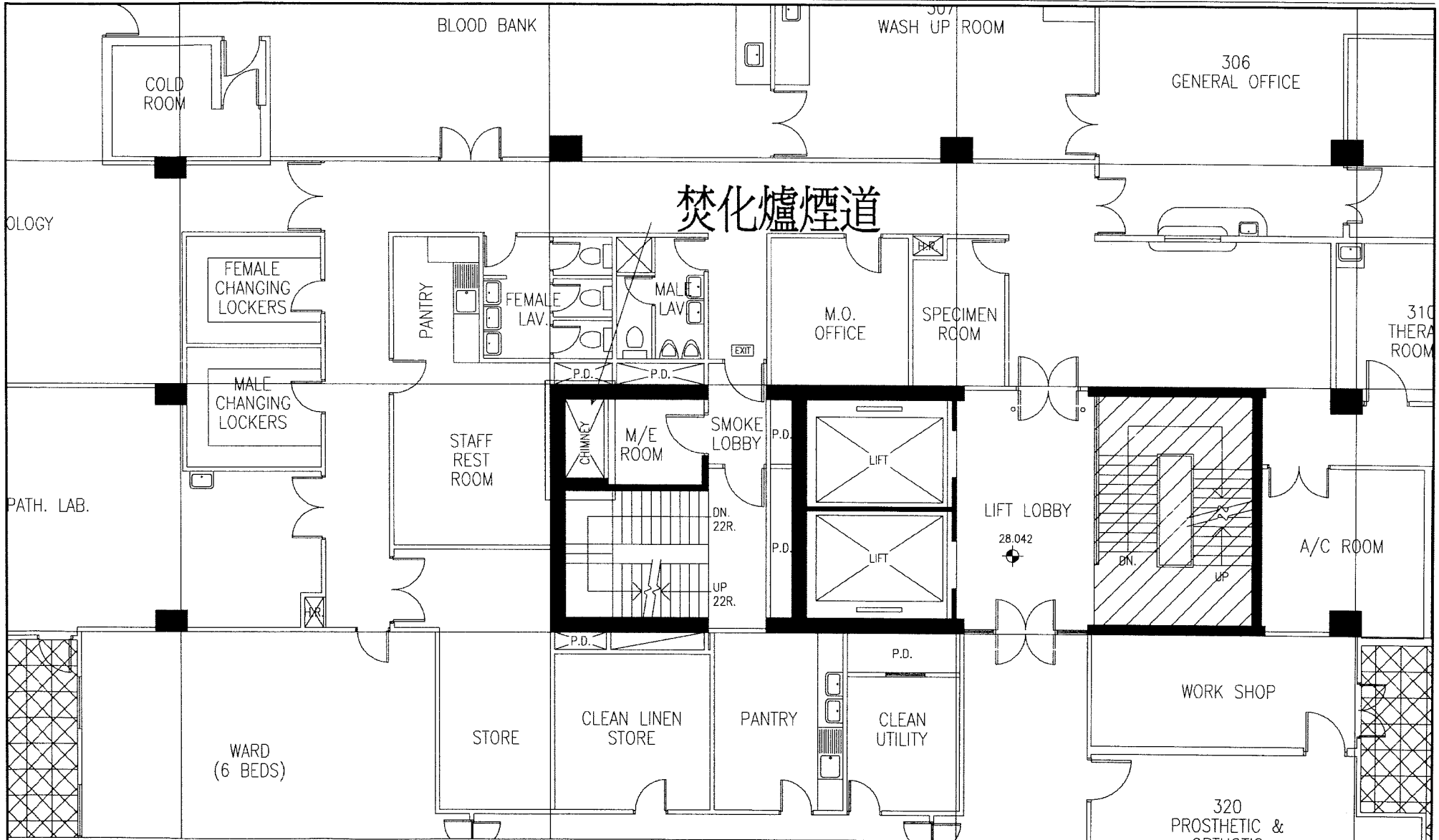


標題: 第二層

工程: 清拆及處理位於鄧肇聖醫院的醫療廢物焚化爐

西圖國際(中國)有限公司

比例: NTS 附件 A5



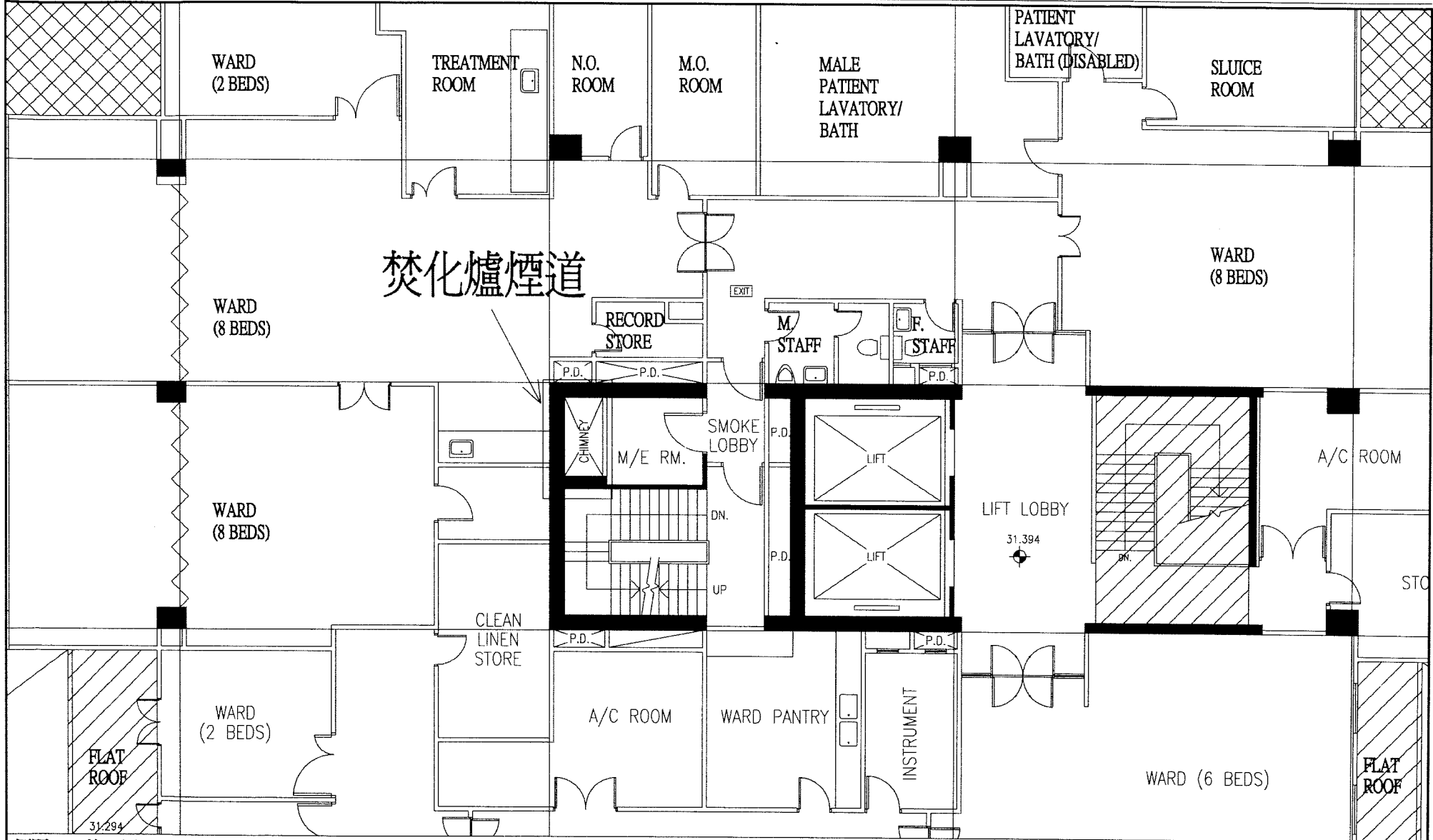
焚化爐煙道

標題: 第三層

工程: 清拆及處理位於鄧肇堅醫院的醫療廢物焚化爐

西圖國際(中國)有限公司

比例: NTS 附件 A6

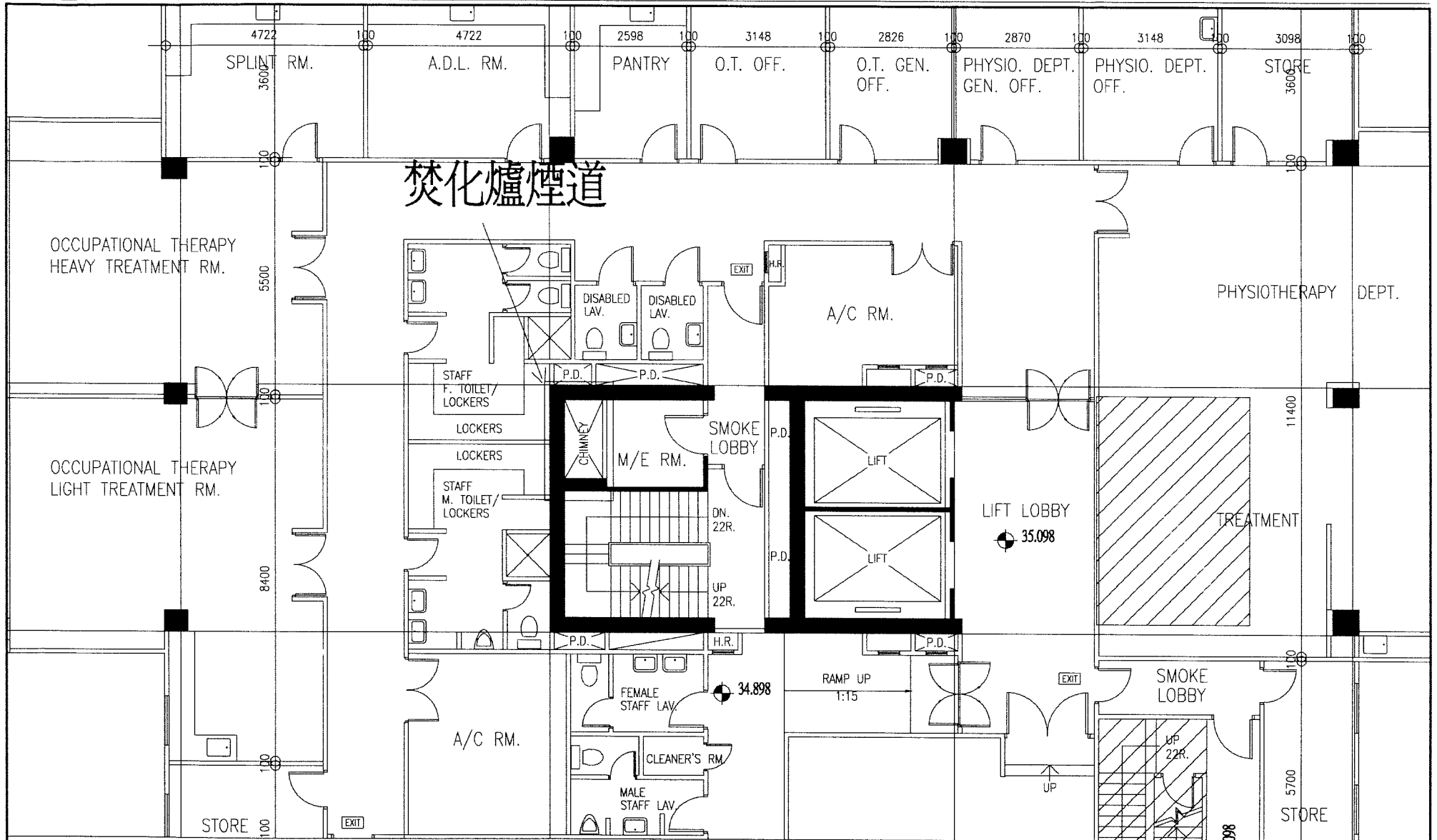


標題: 第四層

工程: 清拆及處理位於鄧肇堅醫院的醫療廢物焚化爐

西圖國際(中國)有限公司

比例: NTS 附件 A7



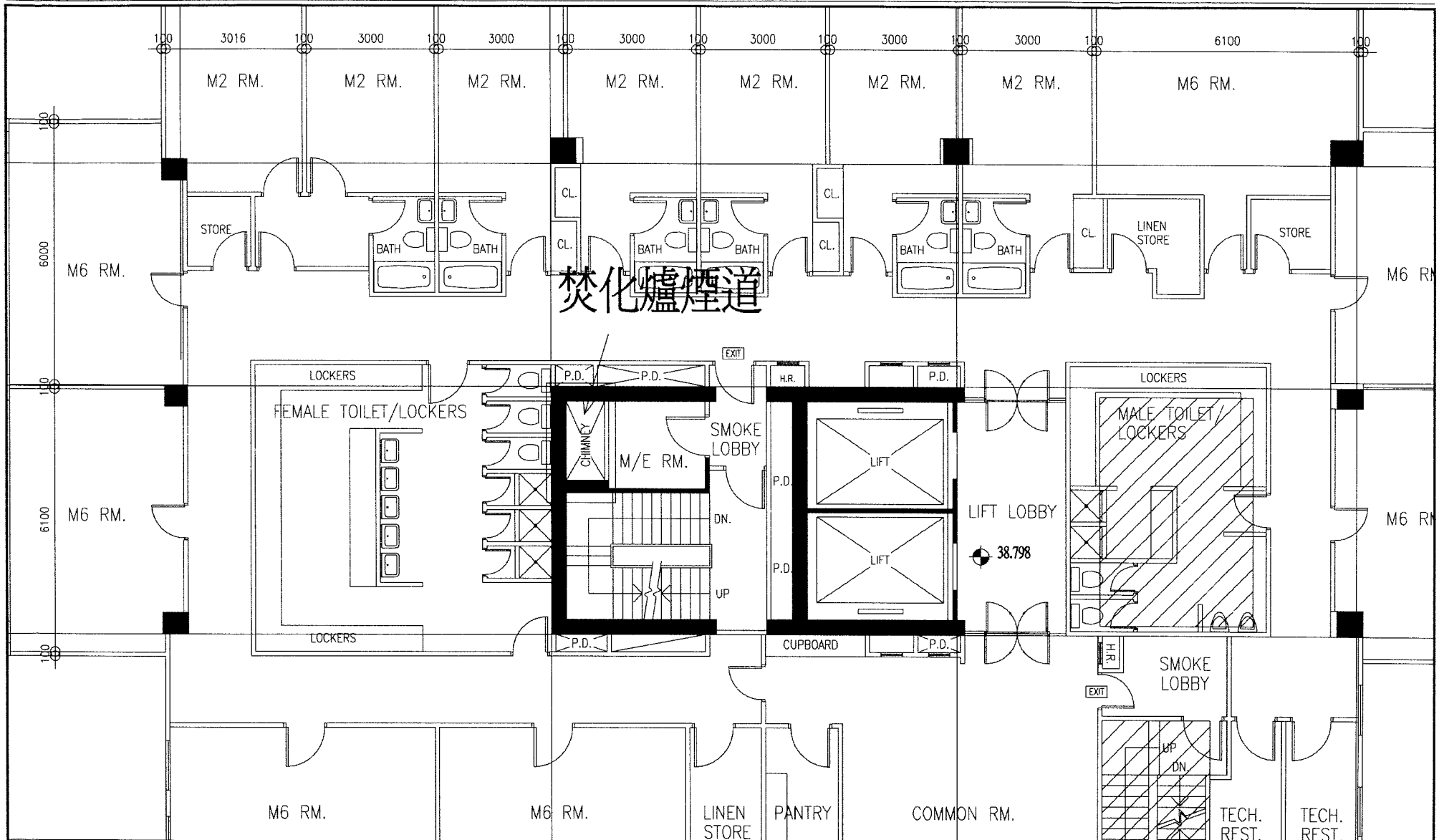
標題: 第五層

工程: 清拆及處理位於鄧肇堅醫院的醫療廢物焚化爐

西圖國際(中國)有限公司

比例: NTS

附件 A8



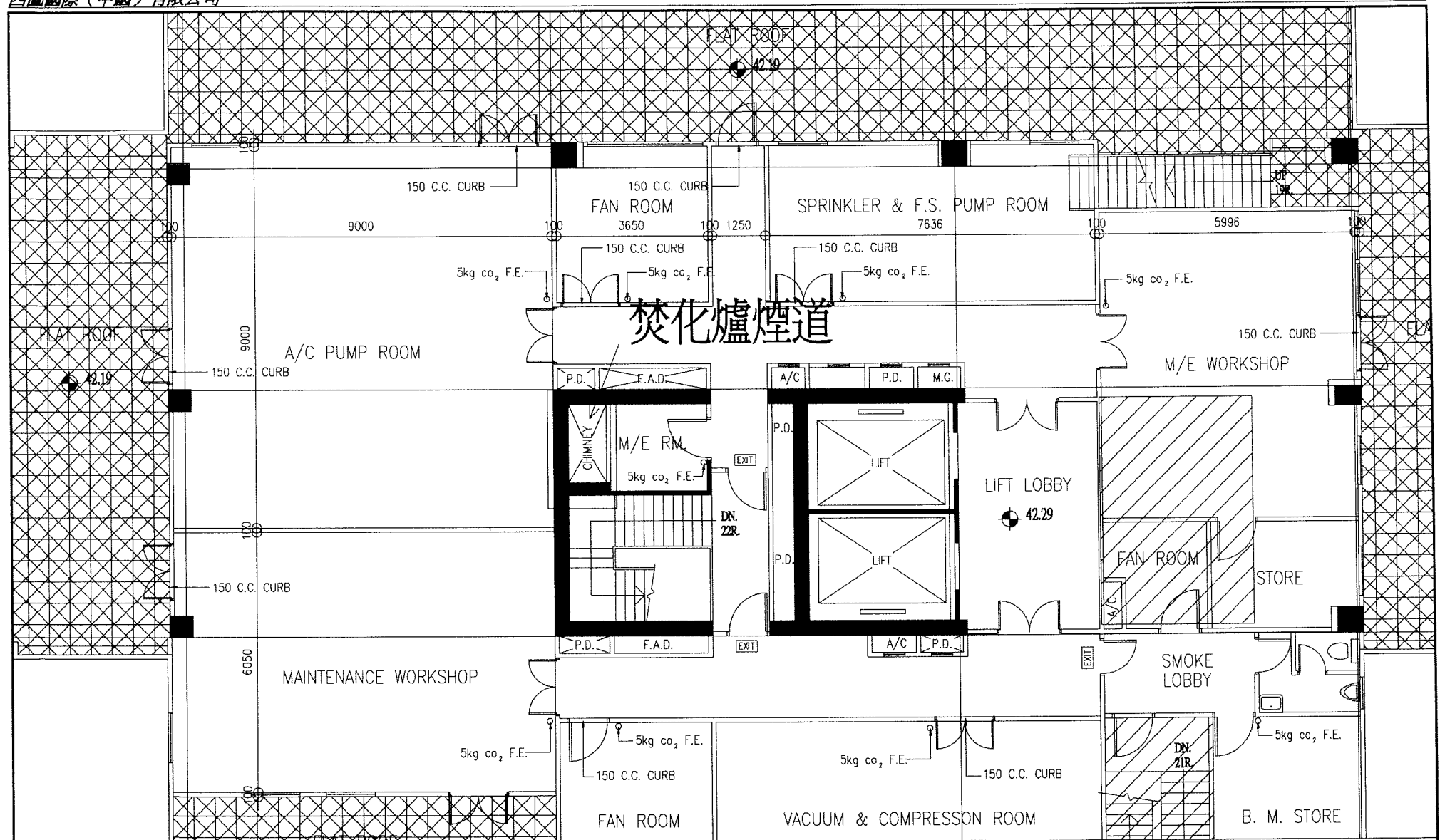
焚化爐煙道

標題: 第六層

工程: 清拆及處理位於鄧肇堅醫院的醫療廢物焚化爐

西圖國際(中國)有限公司

比例: NTS 附件 A9



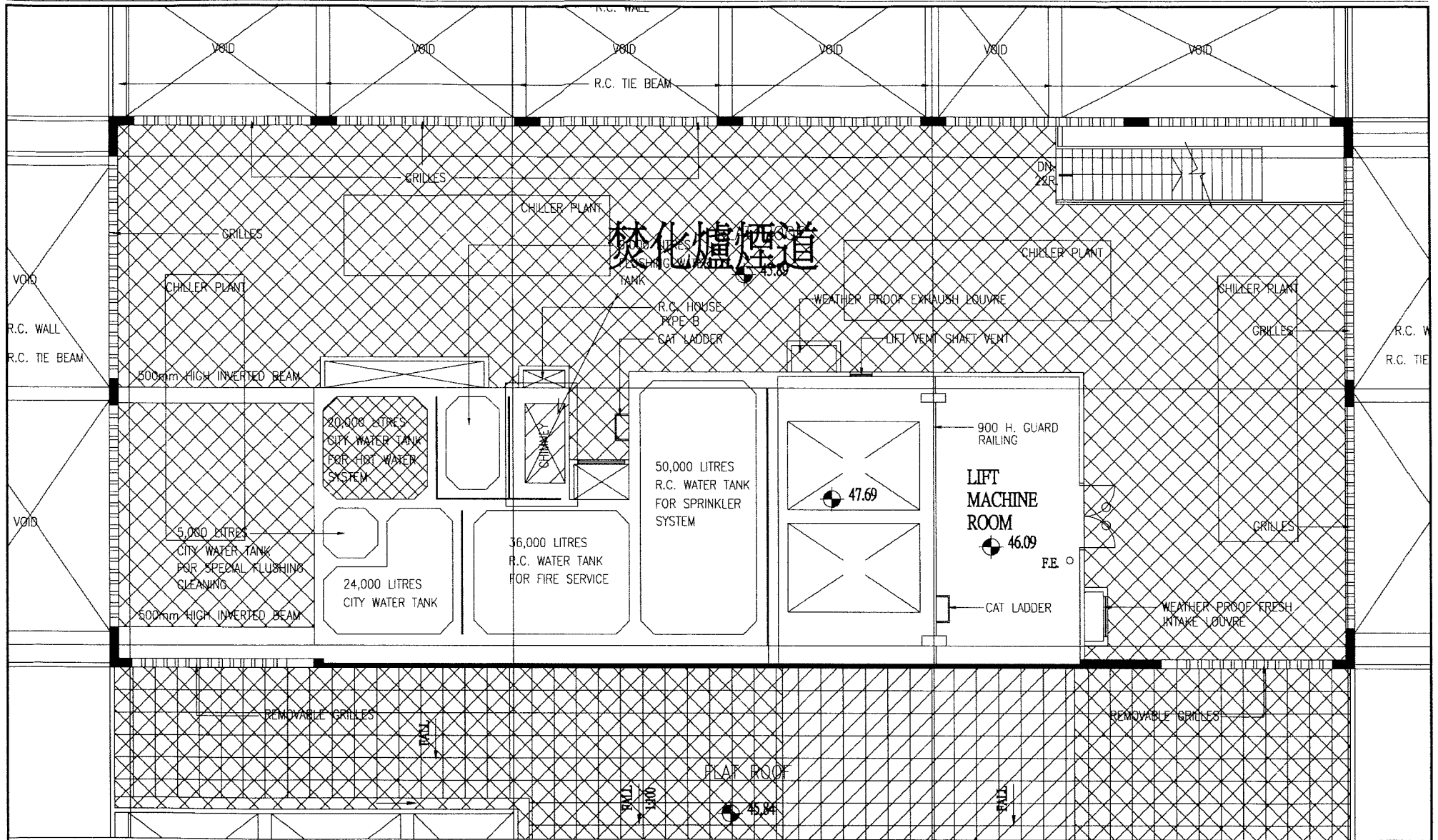
標題: 第七層

西圖國際(中國)有限公司

工程: 清拆及處理位於鄧肇堅醫院的醫療廢物焚化爐

比例: NTS

附件 A10



標題: 醫院頂層

工程: 清拆及處理位於鄧肇堅醫院的醫療廢物焚化爐

西圖國際(中國)有限公司

比例: NTS

附件 A11

附件 乙
實驗室報告

在燃燒爐收集的灰燼樣本

ALS TECHNICHEM (HK) Pty Ltd

ALS Environmental

CERTIFICATE OF ANALYSIS

CONTACT:	MS PETULA SHAM	Batch:	HK16879
CLIENT:	CH2M HILL (CHINA) LIMITED	Sub Batch:	0
ADDRESS:	28/F SIU ON CENTRE 188 LOCKHART ROAD WANCHAI HONG KONG	LABORATORY:	HONG KONG
		DATE RECEIVED:	27/08/2002
ORDER No.:		DATE OF ISSUE:	11/09/2002
PROJECT:		SAMPLE TYPE:	INCINERATOR ASH
		No. of SAMPLES:	3

COMMENTS

Samples were collected by ALS Technichem (HK) Staff on:27 August,2002.
 Samples as received, digested by In-house method based on USEPA method
 3051, prior to the determination of metals. Some metals may give
 biasing low results using this digestion method when compared with
 so-called "total" digestion methods. Results reported on a dry weight
 basis. The completion date of analysis is 09 September,2002.

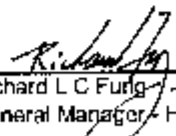
NOTES

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 Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

ISSUING LABORATORY: HONG KONG**Address**

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Phone: 852-2610 1044**Fax:** 852-2610 2021**Email:** alshk@alshk.com.hk


 Richard L C Fung
 General Manager - Hong Kong

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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

Batch: HK16879
 Sub Batch: 0
 Date of Issue: 11/09/2002
 Client: CH2M HILL (CHINA) LIMITED
 Client Reference:

CERTIFICATE OF ANALYSIS



METHOD	ANALYSIS DESCRIPTION	Laboratory I.D.			SAMPLE IDENTIFICATION			
		Date Sampled		UNIT	LOR	1	2	3
						SAMPLE 1	SAMPLE 2	SAMPLE 3
EA-055	Moisture Content (dried @ 103°C)							
F-G-020	Arsenic	0.1	mg/kg	1.8	1.2	0.9		
EG-020	Barium	0.5	mg/kg	3.4	3.1	2.1		
EG-020	Cadmium	0.05	mg/kg	273	283	217		
EG-020	Cobalt	0.01	mg/kg	0.31	0.14	0.50		
EG-020	Chromium	0.05	mg/kg	5.37	4.27	2.37		
EG-020	Copper	0.05	mg/kg	35.9	32.2	24.9		
EG-020	Molybdenum	0.05	mg/kg	213	1630	75.0		
EG-020	Nickel	0.05	mg/kg	17.7	4.97	18.7		
EG-020	Lead	0.05	mg/kg	39.7	35.6	28.8		
EG-020	Tin	0.05	mg/kg	19.3	16.6	14.1		
EG-020	Zinc	0.05	mg/kg	3.10	2.57	3.63		
EG-038	Mercury	0.5	mg/kg	211	409	134		
		0.02	mg/kg	0.70	0.46	0.50		

Batch: HK16879
Sub Batch: 0
Date of Issue: 11/09/2002
Client: CH2M HILL (CHINA) LIMITED
Client Reference:

QUALITY CONTROL REPORT



METHOD	ANALYSIS DESCRIPTION	UNIT	LOR	Laboratory I.D.		SAMPLE IDENTIFICATION	
				Date Sampled	LCS % REC	200	201
				BLANK			
EA-055	Moisture Content (dried @ 103°C)	%	0.1	---	---		
EG-020	Arsenic	mg/kg	0.5	<0.05	---		
EG-020	Barium	mg/kg	0.05	<0.05	97%		
EG-020	Cadmium	mg/kg	0.01	<0.01	96%		
EG-020	Cobalt	mg/kg	0.05	<0.05	98%		
EG-020	Chromium	mg/kg	0.05	<0.05	96%		
EG-020	Copper	mg/kg	0.05	<0.05	100%		
EG-020	Molybdenum	mg/kg	0.05	<0.05	102%		
EG-020	Nickel	mg/kg	0.05	<0.05	98%		
EG-020	Lead	mg/kg	0.05	<0.05	100%		
EG-020	Iron	mg/kg	0.05	<0.05	100%		
EG-020	Zinc	mg/kg	0.5	<0.5	50%		
EG-020	Mercury	mg/kg	0.02	<0.02	83%		

CHECKS AND SPIKES



CERTIFICATE OF ANALYSIS

CONTACT:	MS PETULA SHAM	Batch:	HK16879
CLIENT:	CH2M HILL (CHINA) LIMITED	Sub Batch:	1
ADDRESS:	28/F SIU ON CENTRE 188 LOCKHART ROAD WANCHAI HONG KONG	LABORATORY:	HONG KONG
		DATE RECEIVED:	27/08/2002
ORDER No.:		DATE OF ISSUE:	11/09/2002
PROJECT:		SAMPLE TYPE:	INCINERATOR ASH
		No. of SAMPLES:	3

COMMENTS

Samples analysed on an as received basis. Results reported on a dry weight basis. Sample preparation techniques: Semivolatile - Separatory Funnel and Tumbler, Volatile - Purge & Trap. Sample analysis techniques: Semivolatile components - GC/MS; TPH - GC/FID; Volatile components - GC/MS; Pesticides - GC/ECD, GC/MS. Refer to the attached appendix for quality control data.

NOTES

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ISSUING LABORATORY: HONG KONG

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Desmond K F Poon
Assistant Supervisor - Organics

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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

Batch: HK16879
 Sub Batch: 1
 Date of Issue: 11/09/2002
 Client: CH2M HILL (CHINA) LIMITED
 Client Reference:

CERTIFICATE OF ANALYSIS



METHOD	ANALYSIS DESCRIPTION	Laboratory I.D.			SAMPLE IDENTIFICATION		
		UNIT	LOR	Date Sampled	SAMPLE 1	SAMPLE 2	SAMPLE 3
EA-065	Moisture Content (dried @ 103°C)	%	0.1		1.8	1.2	0.9
EP-066-SB	TOTAL POLYCHLORINATED BIPHENYLS	mg/kg	0.1	<0.1	<0.1	<0.1	<0.1
EP-065S-SS	POLYCHLORINATED BIPHENYLS SURROGATES	%	20	92	100	61	
EP-062S-SS	Tetrachloro-m-xylene	%	20	99	96	98	
EP-065S-SS	Dibutylchlorodane						



CERTIFICATE OF ANALYSIS

CONTACT:	MS PETULA SHAM	Batch:	HK16879
CLIENT:	CH2M HILL (CHINA) LIMITED	Sub Batch:	2
ADDRESS:	28/F SIU ON CENTRE 188 LOCKHART ROAD WANCHAI HONG KONG	LABORATORY:	HONG KONG
		DATE RECEIVED:	27/08/2002
ORDER No.:		DATE OF ISSUE:	11/09/2002
PROJECT:		SAMPLE TYPE:	INCINERATOR ASH
		No. of SAMPLES:	3

COMMENTS

Samples analysed on an as received basis. Results reported on a dry weight basis. Sample preparation techniques: Semivolatile - Separatory Funnel and Tumbler. Volatile - Purge & Trap. Sample analysis techniques: Semivolatile components - GC/MS; TPH - GC/FID; Volatile components - GC/MS; Pesticides - GC/ECD, GC/MS. Refer to the attached appendix for quality control data.

NOTES

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ISSUING LABORATORY: HONG KONG

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Desmond K F Poon
Assistant Supervisor - Organics

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AMERICAS

Vancouver
San Diego
Antofagasta
Lima

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



CERTIFICATE OF ANALYSIS

Batch: HK16879
Sub Batch: 2
Date of Issue: 11/09/2002
Client: CH2M HILL (CHINA) LIMITED
Client Reference:

METHOD	ANALYSIS DESCRIPTION	Laboratory I.D.			SAMPLE IDENTIFICATION			
		Date Sampled		UNIT	LOR	1	7	3
		UNIT	LOR			SAMPLE 1	SAMPLE 2	SAMPLE 3
FA-055	Moisture Content (100 @ 103°C)	%	0.1	1.8	1.2	0.9		
EP-075B-S9	POLYNUCLEAR AROMATICS							
EP-075B-S8	Naphthalene	mg/kg	0.5	10.3	39.7	21.0		
EP-075B-S3	Acenaphthylene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S5	Acenaphthene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S4	Fluorene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S6	Phenanthrene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S7	Anthracene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S2	Fluoranthene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S1	Pyrene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S10	Benz(a)anthracene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S11	Chrysene	mg/kg	0.6	<0.5	<0.5	<0.5		
EP-075B-S12	Benz(b) & (k)fluoranthene	mg/kg	1	<1	<1	<1		
EP-075B-S13	Benzo(a)pyrene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S14	Indeno(1,2,3-cd)pyrene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S15	Dibenz(a,h)anthracene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075B-S16	Benzo(g,h,i)perylene	mg/kg	0.5	<0.5	<0.5	<0.5		
EP-075T-S8	BASENEUTRAL EXTRACTABLE SURROGATES							
EP-075T-S9	Nitrobenzene-d5	%	20	85	90	67		
EP-075T-S10	2-Fluorobiphenyl	%	20	80	78	52		
EP-075T-S11	p-Terphenyl-d14	%	20	29	28	35		



CERTIFICATE OF ANALYSIS

CONTACT: MS PETULA SHAM
CLIENT: CH2M HILL (CHINA) LIMITED
ADDRESS: 28/F SIU ON CENTRE
188 LOCKHART ROAD
WANCHAI HONG KONG
ORDER No.:
PROJECT:

Batch: HK16879
Sub Batch: 3
LABORATORY: HONG KONG
DATE RECEIVED: 27/08/2002
DATE OF ISSUE: 04/10/2002
SAMPLE TYPE: INCINERATOR ASH
No. of SAMPLES: 3

COMMENTS

Three ash samples, #1, 2, and 3 were received from client. Dioxin analysis were subcontracted and tested by Maxxam Analytics Inc. Maxxam Analytics Inc detailed report is attached.

TESTING METHODS

The analysis is based on USEPA 8290

NOTES

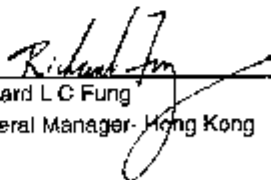
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ISSUING LABORATORY: HONG KONG

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General Manager - Hong Kong

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

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CERTIFICATE OF ANALYSIS



Maxxam Analytics Inc report is attached
for the analysis of Dioxins in Incinerator Ash.
This attach report contains a total of 7 pages.

ALS Technichem (HK) Pty Ltd

ALS Environmental



ALS TECHNICHEM (HK)
11/F CHUNG SHUN KNITTING CTR
1-3 WING YIP ST
K WAI CHUNG NT, -
HONG KONG

Attention: Desmond Foon

Report Date: 2002/10/03

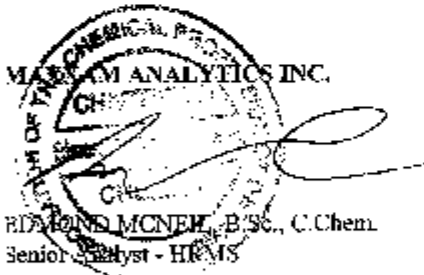
Your P.O. #: P14265
Your Project #: HK16879

ANALYTICAL REPORT

MAXXAM JOB #: A227914
Received: 2002/08/29, 13:58

Sample Matrix: SOLID
Samples Received: 3

<u>Analyses</u>	<u>Number of Tests</u>	<u>Date Extracted</u>	<u>Date Analyzed</u>	<u>Laboratory Method</u>	<u>Method Reference</u>
Dibenzo-Dioxins/Furans	3	2002/09/16	2002/09/25	SOP# TO 1013	SW846 - 8290



Total pages: 1



DIBENZO-DIOXINS/FURANS IN SOLID

MAXXAM JOB #: A227914
 MAXXAM SAMPLE #: 852088
 Sampling Date: 2002/08/27

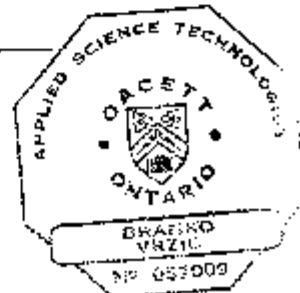
PROJECT NAME:
 PROJECT #: HK16879
 Report Date: 2002/10/03

CONC. UNITS = ppt = pg/g
 RL Units = ppt = pg/g

Compounds	HK16879-#1		TOXIC EQUIVALENCY			RECOVERIES OF C13 SURROGATE	
	CONC.	RL	IT-TEF	TEQ(RL)	TEQ(0.5RL)	pg SPIKED	% RECOVERED
2,3,7,8-Tetra CDD *	0.0000	1.0000	1.0000	0.0000	0.0000	1000	37
Total Tetra CDD	8.0000	1.0000					
1,2,3,7,8-Penta CDD	0.0000	2.0000	0.5000	0.0000	0.0000	1000	38
Total Penta CDD	0.0000	2.0000					
1,2,3,4,7,8-Hexa CDD	0.0000	4.0000	0.1000	0.0000	0.0000		
1,2,3,6,7,8-Hexa CDD	10.7000	4.0000	0.1000	1.0700	1.0700	1000	31
1,2,3,7,8,9-Hexa CDD	0.0000	4.0000	0.1000	0.0000	0.0000		
Total Hexa CDD	112.0000	4.0000					
1,2,3,4,6,7,8-Hepta CDD	115.0000	3.0000	0.0100	1.1500	1.1500	1000	38
Total Hepta CDD	269.0000	3.0000					
Octa CDD	926.0000	4.0000	0.0010	0.9260	0.9260	2000	35
2,3,7,8-Tetra CDF **	8.0000	1.0000	0.1000	0.8000	0.8000	1000	30
Total Tetra CDF	64.6000	1.0000					
1,2,3,7,8-Penta CDF	5.0000	2.0000	0.0500	0.2500	0.2500	1000	57
2,3,4,7,8-Penta CDF	10.0000	2.0000	0.5000	5.0000	5.0000		
Total Penta CDF	90.7000	2.0000					
1,2,3,4,7,8-Hexa CDF	35.3000	4.0000	0.1000	3.5300	3.5300	1000	73
1,2,3,6,7,8-Hexa CDF	14.4000	4.0000	0.1000	1.4400	1.4400		
1,2,3,7,8,9-Hexa CDF	14.1000	4.0000	0.1000	1.4100	1.4100		
2,3,4,6,7,8-Hexa CDF	0.0000	4.0000	0.1000	0.0000	0.0000		
Total Hexa CDF	152.0000	4.0000					
1,2,3,4,6,7,8-Hepta CDF	81.0000	3.0000	0.0100	0.8100	0.8100	1000	54
1,2,3,4,7,8,9-Hepta CDF	0.0000	3.0000	0.0100	0.0000	0.0000		
Total Hepta CDF	104.0000	3.0000					
Octa CDF	67.1000	4.0000	0.0010	0.0671	0.0671		
TOTAL TOXIC EQUIVALENCY				16.45310	16.45310		

* CDD = CHLORO DIBENZO-P-DIOXIN
 ** CDF = CHLORO DIBENZOFURAN
 RL = REPORTING LIMIT
 0.0000 = U = NOT DETECTED
 TR = TRACE AMOUNT DETECTED
 2,3,7,8-TCDF VALUE IS FROM CONFIRMATION COLUMN.
 SOME SURROGATE RECOVERIES ARE OUTSIDE CONTROL
 LIMITS. THE CORRESPONDING DATA IS THEREFORE OUT
 OF CONTROL. SOME MDL'S ARE RAISED DUE TO MATRIX
 EFFECTS.

Branko Vrzić
 BRANKO VRZIC





DIBENZO-DIOXINS/FURANS IN SOLID

MAXXAM JOB #: A227914
 MAXXAM SAMPLE #: 852090
 Sampling Date: 2002/08/27

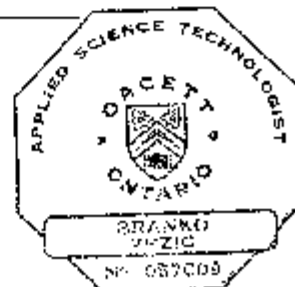
PROJECT NAME:
 PROJECT #: HK18879
 Report Date: 2002/10/03

CONC. UNITS = ppt = pg/g
 RL Units = ppt = pg/g

Compounds	HK16879-#2 CONC	RL	TOX C EQUIVALENCY			RECOVERIES OF C13 SURROGATE	
			I-TEF	TEQ(RL)	TEQ(0.5RL)	pg SPIKED	% RECOVERED
2,3,7,8-Tetra CDD *	0.0000	3.0000	1.00000	0.00000	0.00000	1000	74
Total Tetra CDD	62.8000	3.0000					
1,2,3,7,8-Penta CDD	0.0000	6.0000	0.50000	0.00000	0.00000	1000	73
Total Penta CDD	17.8000	6.0000					
1,2,3,4,7,8-Hexa CDD	0.0000	6.0000	0.10000	0.00000	0.00000		
1,2,3,6,7,8-Hexa CDD	0.0000	6.0000	0.10000	0.00000	0.00000	1000	71
1,2,3,7,8,9-Hexa CDD	0.0000	6.0000	0.10000	0.00000	0.00000		
Total Hexa CDD	16.2000	6.0000					
1,2,3,4,6,7,8-Hepta CDD	0.0000	9.0000	0.01000	0.00000	0.00000	1000	50
Total Hepta CDD	17.7000	9.0000					
Octa CDD	24.0000	12.0000	0.00100	0.02400	0.02400	2000	36
2,3,7,8-Tetra CDF **	16.9000	3.0000	0.10000	1.69000	1.69000	1000	49
Total Tetra CDF	437.0000	3.0000					
1,2,3,7,8-Penta CDF	10.8000	6.0000	0.05000	0.54000	0.54000	1000	55
1,2,3,4,7,8-Penta CDF	12.2000	6.0000	0.50000	6.10000	6.10000		
Total Penta CDF	140.0000	6.0000					
1,2,3,4,7,8-Hexa CDF	15.1000	6.0000	0.10000	1.51000	1.51000	1000	62
1,2,3,6,7,8-Hexa CDF	7.0000	6.0000	0.10000	0.70000	0.70000		
1,2,3,7,8,9-Hexa CDF	0.0000	6.0000	0.10000	0.00000	0.00000		
2,3,4,6,7,8-Hexa CDF	0.0000	6.0000	0.10000	0.00000	0.00000		
Total Hexa CDF	53.3000	6.0000					
1,2,3,4,6,7,8-Hepta CDF	15.1000	9.0000	0.01000	0.15100	0.15100	1000	42
1,2,3,4,7,8,9-Hepta CDF	0.0000	9.0000	0.01000	0.00000	0.00000		
Total Hepta CDF	15.1000	9.0000					
Octa CDF	0.0000	12.0000	0.00100	0.00000	0.00000		
TOTAL TOXIC EQUIVALENCY				10.71500	10.71500		

* CDD = CHLORO DIBENZO-P-D'OXIN
 ** CDF = CHLORO DIBENZOFURAN
 RL = REPORTING LIMIT
 0.0000 = U = NOT DETECTED
 TR = TRACE AMOUNT DETECTED
 2,3,7,8-TCDF VALUE IS FROM CONFIRMATION COLUMN.
 SOME SURROGATE RECOVERIES ARE OUTSIDE CONTROL
 LIMITS. THE CORRESPONDING DATA IS THEREFORE OUT
 OF CONTROL. SOME MDL'S ARE RAISED DUE TO MATRIX
 EFFECTS.

Branko Vrzic
 BRANKO VRZIC





DIBENZO-DIOXINS/FURANS IN SOLID

MAXXAM JOB #: A227914
 MAXXAM SAMPLE #: 852091
 Sampling Date: 2002/05/27

PROJECT NAME:
 PROJECT #: HK18879
 Report Date: 2002/06/03

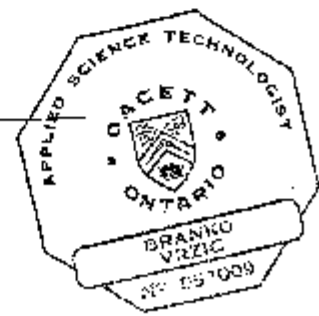
CONC. UNITS = ppt = pg/g
 RL Units = ppt = pg/g

Compounds	HK18879-#3		TOXIC EQUIVALENCY			RECOVERIES OF C13 SURROGATE	
	CONC	RL	LTEF	TEQ(RL)	TEQ(5RL)	pg SPIKED	% RECOVERED
2,3,7,8-Tetra CDD *	0.0000	3.0000	1.00000	0.00000	0.00000	1000	50
Total Tetra CDD	36.1000	3.0000					
1,2,3,7,8-Penta CDD	0.0000	6.0000	0.50000	0.00000	0.00000	1000	63
Total Penta CDD	28.4000	6.0000					
1,2,3,4,7,8-Hexa CDD	0.0000	6.0000	0.10000	0.00000	0.00000		
1,2,3,6,7,8-Hexa CDD	0.0000	6.0000	0.10000	0.00000	0.00000	1000	65
1,2,3,7,8,9-Hexa CDD	0.0000	6.0000	0.10000	0.00000	0.00000		
Total Hexa CDD	18.2000	6.0000					
1,2,3,4,6,7,8-Hepta CDD	0.0000	9.0000	0.01000	0.00000	0.00000	1000	47
Total Hepta CDD	0.0000	9.0000					
Octa CDD	14.0000	12.0000	0.00100	0.01400	0.01400	2000	39
2,3,7,8-Tetra CDF **	11.0000	3.0000	0.10000	1.10000	1.10000	1000	35
Total Tetra CDF	208.0000	3.0000					
1,2,3,7,8-Penta CDF	6.0000	6.0000	0.05000	0.40000	0.40000	1000	45
2,3,4,7,8-Penta CDF	9.0000	6.0000	0.50000	4.50000	4.50000		
Total Penta CDF	105.0000	6.0000					
1,2,3,4,7,8-Hexa CDF	11.5000	6.0000	0.10000	1.15000	1.15000	1000	54
1,2,3,6,7,8-Hexa CDF	0.0000	6.0000	0.10000	0.00000	0.00000		
1,2,3,7,8,9-Hexa CDF	0.0000	6.0000	0.10000	0.00000	0.00000		
2,3,4,6,7,8-Hexa CDF	0.0000	6.0000	0.10000	0.00000	0.00000		
Total Hexa CDF	40.8000	6.0000					
1,2,3,4,6,7,8-Hepta CDF	10.3000	9.0000	0.01000	0.10300	0.10300	1000	40
1,2,3,4,7,8,9-Hepta CDF	0.0000	9.0000	0.01000	0.00000	0.00000		
Total Hepta CDF	16.4000	9.0000					
Octa CDF	0.0000	12.0000	0.00100	0.00000	0.00000		

TOTAL TOXIC EQUIVALENCY: 7.26700

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 2,3,7,8-TCDF VALUE IS FROM CONFIRMATION COLUMN.
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 LIMITS. THE CORRESPONDING DATA IS THEREFORE OUT
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 EFFECTS.

Branko Vrzić
 BRANKO VRZIC





DIBENZO-DIOXINS/FURANS IN SOLID

MAXXAM JOB #: A227914
 MAXXAM SAMPLE #: SPIKED BLANK

PROJECT NAME:
 PROJECT #: HK16879
 Report Date: 2002/10/03

CONC. UNITS = ppt = pg/g
 RL Units = ppt = pg/g

Compounds	SPIKED BLANK		TOXIC EQUIVALENCY			RECOVERIES OF C13 SURROGATE	
	% RECOVERY	RL	I-TEF	TEQ(RL)	TEQ(0.5RL)	pg SPIKED	% RECOVERED
2,3,7,8-Tetra CDD *	111	1.0000	1.00000	111.00000	111.00000	1000	51
1,2,3,7,8-Penta CDD	110	2.0000	0.50000	55.00000	55.00000	1000	56
1,2,3,4,7,8-Hexa CDD	93	2.0000	0.10000	9.30000	9.30000		
1,2,3,6,7,8-Hexa CDD	118	2.0000	0.10000	11.80000	11.80000	1000	74
1,2,3,7,8,9-Hexa CDD	111	2.0000	0.10000	11.10000	11.10000		
1,2,3,4,6,7,8-Hepta CDD	110	3.0000	0.01000	1.10000	1.10000	1000	78
Octa CDD	110	4.0000	0.00100	0.11000	0.11000	2000	74
2,3,7,8-Tetra CDF **	106	1.0000	0.10000	10.60000	10.60000	1000	52
1,2,3,7,8-Penta CDF	103	2.0000	0.05000	5.15000	5.15000	1000	58
2,3,4,7,8-Penta CDF	101	2.0000	0.50000	50.50000	50.50000		
1,2,3,4,7,8-Hexa CDF	107	2.0000	0.10000	10.70000	10.70000	1000	70
1,2,3,6,7,8-Hexa CDF	97	2.0000	0.10000	9.70000	9.70000		
1,2,3,7,8,9-Hexa CDF	113	2.0000	0.10000	11.30000	11.30000		
2,3,4,6,7,8-Hexa CDF	96	2.0000	0.10000	9.60000	9.60000		
1,2,3,4,6,7,8-Hepta CDF	110	3.0000	0.01000	1.10000	1.10000	1000	72
1,2,3,4,7,8,9-Hepta CDF	111	3.0000	0.01000	1.11000	1.11000		
Octa CDF	112	4.0000	0.00100	0.11200	0.11200		
TOTAL TOXIC EQUIVALENCY				309.28200	309.28200		

* CDD = CHLORO DIBENZO-P-DIOXIN

** CDF = CHLORO DIBENZOFURAN

RL = REPORTING LIMIT

0.0000 = U = NOT DETECTED

TR = TRACE AMOUNT DETECTED

2,3,7,8-TCDF VALUE IS FROM CONFIRMATION COLUMN.

SOME SURROGATE RECOVERIES ARE OUTSIDE CONTROL

LIMITS. THE CORRESPONDING DATA IS THEREFORE OUT

OF CONTROL. SOME MDL'S ARE RAISED DUE TO MATRIX

EFFECTS.

Blank Vrzic 2002/10/03

BRANKO VRZIC





DIBENZO-DIOXINS/FURANS IN SOLID

MAXXAM JOB #: A227314
 MAXXAM SAMPLE #: METHOD BLANK

PROJECT NAME:
 PROJECT #: HK16879
 Report Date: 2002/10/03

CONC. UNITS = ppt = pg/g
 RL Units = ppt = pg/g

Compounds	METHOD BLANK		TOXIC EQUIVALENCY			RECOVERIES OF C13 SURROGATE	
	CONC	RL	I-TEF	TEQ(RL)	TEQ(0.5RL)	pg SPIKED	% RECOVERED
2,3,7,8-Tetra CDD *	0.0000	1.0000	1.00000	0.00000	0.00000	1000	40
Total Tetra CDD	0.0000	1.0000					
1,2,3,7,8-Penta CDD	0.0000	2.0000	0.50000	0.00000	0.00000	1000	46
Total Penta CDD	0.0000	2.0000					
1,2,3,4,7,8-Hexa CDD	0.0000	2.0000	0.10000	0.00000	0.00000		
1,2,3,6,7,8-Hexa CDD	0.0000	2.0000	0.10000	0.00000	0.00000	1000	76
1,2,3,7,8,9-Hexa CDD	0.0000	2.0000	0.10000	0.00000	0.00000		
Total Hexa CDD	0.0000	2.0000					
1,2,3,4,6,7,8-Hepta CDD	0.0000	3.0000	0.01000	0.00000	0.00000	1000	75
Total Hepta CDD	0.0000	3.0000					
Octa CDD	0.0000	4.0000	0.00100	0.00000	0.00000	2000	70
TOTAL TOXIC EQUIVALENCY							
			0.00000	0.00000	0.00000		

2,3,7,8-Tetra CDF **	0.0000	1.0000	0.10000	0.00000	0.00000	1000	40
Total Tetra CDF	0.0000	1.0000					
1,2,3,7,8-Penta CDF	0.0000	2.0000	0.05000	0.00000	0.00000	1000	46
2,3,4,7,8-Penta CDF	0.0000	2.0000	0.50000	0.00000	0.00000		
Total Penta CDF	0.0000	2.0000					
1,2,3,4,7,8-Hexa CDF	0.0000	2.0000	0.10000	0.00000	0.00000	1000	69
1,2,3,6,7,8-Hexa CDF	0.0000	2.0000	0.10000	0.00000	0.00000		
1,2,3,7,8,9-Hexa CDF	0.0000	2.0000	0.10000	0.00000	0.00000		
2,3,4,6,7,8-Hexa CDF	0.0000	2.0000	0.10000	0.00000	0.00000		
Total Hexa CDF	0.0000	2.0000					
1,2,3,4,6,7,8-Hepta CDF	0.0000	3.0000	0.01000	0.00000	0.00000	1000	73
1,2,3,4,7,8,9-Hepta CDF	0.0000	3.0000	0.01000	0.00000	0.00000		
Total Hepta CDF	0.0000	3.0000					
Octa CDF	0.0000	4.0000	0.00100	0.00000	0.00000		

* CDD = CHLORO DIBENZO-P-DIOXIN

** CDF = CHLORO DIBENZOFURAN

RL = REPORTING LIMIT

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Branco Vrzić
 BRANCO VRZIC



ALS Environmental



ORGANICS QUALITY CONTROL REPORT

BATCH NO.: HK16879

DATE BATCH RECEIVED : 27/08/02

CLIENT : CH2M Hill

DATE BATCH COMPLETED : 05/09/02

Method Code	Test	Matrix	QC Lot Number	Date Samples Extracted	Date Samples Analysed
EP-066	PCB	Ash	066S288	29/08/02	31/08/02
EP-075	Semivolatile Scan	Ash	075S350	29/08/02	05/09/02

Desmond K F Poon
Assistant Supervisor - Organics

BATCH QUALITY CONTROL

ALS EP-066 : POLYCHLORINATED BIPHENYLS

QC LOT No. : 069S288
MATRIX: Ash

ANALYST: A. Wong

COMPOUND	Blank Conc. ug/L	Spike Conc. ug/L	QC Spike Results		Control Limits	
			SCS Conc. ug/L	Rec. %	% Rec.	
					Low	High
Total PCB	<LOR	0.50	0.48	95	63	139

Monochlorobiphenyl	ND	-	0.00
Dichlorobiphenyl	ND	-	0.00
Trichlorobiphenyl	ND	-	0.00
Tetrachlorobiphenyl	ND	-	0.09
Pentachlorobiphenyl	ND	-	0.25
Hexachlorobiphenyl	ND	-	0.13
Heptachlorobiphenyl	ND	-	0.01
Octachlorobiphenyl	ND	-	0.00
Nonachlorobiphenyl	ND	-	0.00
Decachlorobiphenyl	ND	-	0.00

COMMENTS :

1) A set of QC samples which comprise Blank and SCS is done for every 20 samples.

2) QC Acceptance Criteria :

To accept a QC, 80% of target analytes must pass both of the following criteria :

- a) Accuracy : Recovery of SCS must fall within the recovery control limits.
- b) Blank concentration must be less than LOR.

Control limits are established from the previous 20 QC sets of recovery data.

3) Abbreviations & Explanatory Notes:

QC : Quality Control

Rec. : Recovery

SCS : Single Control Sample - an interference free sample spiked with target analytes.

ND : Not Detected

LOR : Limit of Reporting - lowest concentration of target analytes for reporting.

Conc. : Concentration

* : Recovery falls outside the recommended control limits.

BATCH QUALITY CONTROL

ALS EP-075 : SEMIVOLATILE SCAN

QC LOT No. : 075S350

ANALYST: D. Poon

MATRIX: Soil

COMPOUND	Blank Conc. mg/kg	Spike Level mg/kg	QC SPIKE RESULTS		Control Limits	
			SCS Conc. mg/kg	Rec. %	% Recovery	
					Low	High
EP-075A : PHENOLS						
Phenol	<LOR	1.25	0.91	72	58	129
2-Chlorophenol	<LOR	1.25	1.10	88	67	122
2-Methylphenol	<LOR	1.25	0.75	80	44	112
4-Methylphenol	<LOR	1.25	0.86	69	45	118
2-Nitrophenol	<LOR	1.25	1.10	88	46	128
2,4-Dimethylphenol	<LOR	1.25	0.20	16	0	103
2,4-Dichlorophenol	<LOR	1.25	1.06	69	60	114
2,6-Dichlorophenol	<LOR	1.25	1.06	69	60	114
4-Chloro-3-methylphenol	<LOR	1.25	1.15	92	50	121
2,4,6-Trichlorophenol	<LOR	1.25	1.09	87	54	117
2,4,6-Trichlorophenol	<LOR	1.25	1.14	91	59	125
Pentachlorophenol	<LOR	6.25	5.07	95	53	137
EP-075B : POLYAROMATIC HYDROCARBONS						
Naphthalene	<LOR	1.25	1.22	97	71	126
2-Methylnaphthalene	<LOR	1.25	1.34	107	64	128
2-Chloronaphthalene	<LOR	1.25	1.27	102	67	130
Acenaphthalene	<LOR	1.25	1.23	98	69	119
Acenaphthene	<LOR	1.25	1.32	106	76	125
Fluorene	<LOR	1.25	1.34	107	72	128
Phenanthrene	<LOR	1.25	1.41	113	80	125
Anthracene	<LOR	1.25	1.31	105	73	121
Fluoranthrene	<LOR	1.25	1.43	115	74	129
Pyrene	<LOR	1.25	1.40	112	74	131
N-2-Fluorenylacetyl-imide	<LOR	1.25	0.94	75	36	142
Benz(a)anthracene	<LOR	1.25	1.19	95	57	136
Chrysene	<LOR	1.25	1.26	100	67	139
Benzo(b) & (k) fluoranthene	<LOR	2.50	2.39	95	54	148
7,12-Dimethyl benz(a)anthracene	<LOR	1.25	1.21	97	31	204
Benzo(a)pyrene	<LOR	1.25	1.17	93	46	139
3-Methylcholanthrene	<LOR	1.25	1.20	96	41	147
Indeno(1,2,3-cd)pyrene	<LOR	1.25	1.16	92	61	126
Dibenz(a,h)anthracene	<LOR	1.25	0.98	78	65	129
Benzo(g,h,i)perylene	<LOR	1.25	1.22	96	71	131
EP-075C : PHTHALATE ESTERS						
Dimethylphthalate	<LOR	1.25	1.33	106	72	127
Dioethylphthalate	<LOR	1.25	1.39	111	78	126
Di-n-butylphthalate	<LOR	1.25	1.68	135	75	148
Benzyl butyl phthalate	<LOR	1.25	1.36	109	68	133
Bis(2-n-hylohexyl)phthalate	<LOR	1.25	1.43	114	66	134
Di-n-octylphthalate	<LOR	1.25	1.27	101	60	138
EP-075D : NITROSAMINES						

N-Nitrosomethylethylamine	<LOR	1.25	1.01	80	24	154
N-Nitrosodilethylamine	<LOR	1.25	1.05	64	31	132
N-Nitrosopyrrolidine	<LOR	1.25	1.02	82	3	144
N-Nitrosomorpholine	<LOR	1.25	1.09	87	20	137
N-Nitrosodi-n-propylamine	<LOR	1.25	1.10	88	28	138
N-Nitrosopiperidine	<LOR	1.25	1.08	86	32	127
N-Nitrosodibutylamine	<LOR	1.25	1.13	91	33	128
Diphenylamine & N-Nitrosodiphenylamine	<LOR	2.50	2.19	88	30	152
Diallate	<LOR	1.25	1.35	109	70	132
Mathapyrine	<LOR	1.25	1.12	69	0	169
EP-075E : NITROAROMATICS AND KETONES						
2-Picoline	<LOR	1.25	1.05	84	47	122
Acetophenone	<LOR	1.25	1.24	99	65	134
Nitrobenzene	<LOR	1.25	1.23	98	55	138
Isochlorone	<LOR	1.25	1.21	97	63	125
2,6-Dinitrotoluene	<LOR	1.25	1.24	99	56	126
2,4-Dinitrotoluene	<LOR	1.25	1.16	93	48	128
1-Naphthalamine	<LOR	1.25	1.37	109	0	182
4-Nitroquinoline-N-oxide	<LOR	1.25	0.92	74	0	165
5-Nitro-o-toluidine	<LOR	1.25	1.32	105	37	140
Azobenzene	<LOR	1.25	1.30	104	64	128
1,3,5-Trinitrobenzene	<LOR	1.25	1.07	85	29	138
Phenacetic acid	<LOR	1.25	1.02	81	58	124
4-Aminobiphenyl	<LOR	1.25	1.24	99	5	154
Pentachloronitrobenzene	<LOR	1.25	1.30	104	63	132
Pronamide	<LOR	1.25	1.48	119	73	131
Dimethylaminoazobenzene	<LOR	1.25	1.01	80	52	143
Chlorobenzilate	<LOR	1.25	1.46	117	54	138
EP-075F : HALOETHERS						
Bis(2-chloroethyl)ether	<LOR	1.25	1.10	85	58	126
Bis(2-chloroethoxy)methane	<LOR	1.25	1.24	99	64	129
4-Chlorophenyl phenyl ether	<LOR	1.25	1.35	109	69	130
4-Bromophenyl phenyl ether	<LOR	1.25	1.35	109	68	129
EP-075G : CHLORINATED HYDROCARBONS						
1,3-Dichlorobenzene	<LOR	1.25	1.11	89	63	126
1,4-Dichlorobenzene	<LOR	1.25	1.11	89	65	124
1,2-Dichlorobenzene	<LOR	1.25	1.13	91	65	126
Hexachloroethane	<LOR	1.25	1.11	89	54	127
1,2,4-Trichlorobenzene	<LOR	1.25	1.17	94	85	126
Hexachloropropylene	<LOR	1.25	1.10	88	42	144
Hexachlorobutadiene	<LOR	1.25	1.14	91	61	127
Hexachlorocyclopentadiene	<LOR	6.25	5.14	82	31	132
Pentachlorobenzene	<LOR	1.25	1.31	105	68	136
Hexachlorobenzene	<LOR	1.25	1.35	109	67	127
EP-075H : ANILINES AND BENZIDINES						
Aniline	<LOR	1.25	0.71	57	0	178
4-Chloroaniline	<LOR	1.25	0.79	63	0	154
2-Nitroaniline	<LOR	1.25	1.13	91	57	122
3-Nitroaniline	<LOR	1.25	1.07	85	13	139
2-benzofuran	<LOR	1.25	1.35	108	62	134
4-Nitroaniline	<LOR	1.25	0.94	75	48	133
Carbazole	<LOR	1.25	1.13	90	35	159
3,3'-Dichlorobenzidine	<LOR	1.25	1.40	112	13	158

EP-075I : ORGANOCHLORINE PESTICIDES						
alpha-BHC	<LOR	1.25	1.39	111	72	130
beta- & gamma-BHC	<LOR	2.50	2.98	119	78	136
delta-BHC	<LOR	1.25	1.48	118	81	132
Heptachlor	<LOR	1.25	1.46	116	67	135
Aldrin	<LOR	1.25	1.49	119	77	127
Heptachloroepoxide	<LOR	1.25	1.52	121	67	133
Endosulfan 1	<LOR	1.25	1.53	122	83	127
p,p'-DDE	<LOR	1.25	1.48	118	72	129
Dieldrin	<LOR	1.26	1.46	117	79	134
Endrin	<LOR	1.25	1.45	116	57	132
Endosulfan 2	<LOR	1.25	1.53	122	78	130
p,p'-DDD	<LOR	1.25	1.49	119	74	132
Endosulfan sulfate	<LOR	1.25	1.43	114	66	140
p,p'-DDT	<LOR	1.25	1.38	110	48	136
EP-075J : ORGANOPHOSPHORUS PESTICIDES						
Methanesulfonate methyl	<LOR	1.25	1.14	91	62	138
Methanesulfonate ethyl	<LOR	1.25	1.19	95	63	130
Dichlorvos	<LOR	1.25	1.22	97	59	122
cis-Isosarole	<LOR	0.46	0.46	99	66	131
trans-Isosarole	<LOR	0.79	0.79	101	63	130
Sararole	<LOR	1.25	1.23	98	60	126
Dimethoate	<LOR	1.25	1.24	99	47	137
Diazinon	<LOR	1.25	1.42	114	33	144
Chlorpyrifos methyl	<LOR	1.25	1.47	118	68	132
Malathion	<LOR	1.25	1.45	116	75	135
Fenitron	<LOR	1.25	1.39	111	68	131
Chlorpyrifos	<LOR	1.25	1.48	118	72	138
Pirimphoseethyl	<LOR	1.25	1.39	111	76	131
Chlorfenvinphos-E	<LOR	0.15	0.14	92	19	168
Chlorfenvinphos-Z	<LOR	1.10	1.30	118	57	154
Prothiofos	<LOR	1.25	1.29	103	74	134
Ethion	<LOR	1.25	1.44	115	72	140

COMMENTS :

1) A set of QC samples which comprise Blank and SCS is done for every 20 samples.

2) QC Acceptance Criteria :

To accept a QC, 80% of target analytes must pass both of the following criteria :

a) Accuracy : Recovery of SCS must fall within the recovery control limits.

b) Blank concentration must be less than LOR.

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3) Abbreviations & Explanatory Notes:

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Rec. : Recovery

SCS : Single Control Sample - an interference free sample spiked with target analytes.

ND : Not Detected

LOR : Limit of Reporting - lowest concentration of target analytes for reporting.

Conc. : Concentration

* : Recovery falls outside the recommended control limits.

DIBENZO-DIOXINS/FURANS IN SOLID

MAXXAM JOB #: A2279*4
MAXXAM SAMPLE #: METHOD BLANK Duplicate

PROJECT NAME:
PROJECT #: HK16879
Report Date: 2002/10/03

CONC. UNITS = ppt = pg/g
RL Units = ppt = pg/g

Compounds	METHOD BLANK		TOXIC EQUIVALENCY			RECOVERIES OF C13 SURROGATE	
	CONC	RL	I-TEF	TEQ(RL)	TEQ(0.9RL)	pg SPIKED	% RECOVERED
2,3,7,8-Tetra CDD *	0.0000	1.0000	1.00000	0.00000	0.00000	1000	48
Total Tetra CDD	0.0000	1.0000					
1,2,3,7,8-Penta CDD	0.0000	2.0000	0.50000	0.00000	0.00000	1000	53
Total Penta CDD	0.0000	2.0000					
1,2,3,4,7,8-Hexa CDD	0.0000	2.0000	0.10000	0.00000	0.00000		
1,2,3,6,7,8-Hexa CDD	0.0000	2.0000	0.10000	0.00000	0.00000	1000	77
1,2,3,7,8,9-Hexa CDD	0.0000	2.0000	0.10000	0.00000	0.00000		
Total Hexa CDD	0.0000	2.0000					
1,2,3,4,6,7,8-Hepta CDD	0.0000	3.0000	0.01000	0.00000	0.00000	1000	84
Total Hepta CDD	0.0000	3.0000					
Octa CDD	0.0000	4.0000	0.00100	0.00000	0.00000	2000	80
2,3,7,8-Tetra CDF **	0.0000	1.0000	0.10000	0.00000	0.00000	1000	50
Total Tetra CDF	0.0000	1.0000					
1,2,3,7,8-Penta CDF	0.0000	2.0000	0.05000	0.00000	0.00000	1000	55
Total Penta CDF	0.0000	2.0000					
1,2,3,4,7,8-Hexa CDF	0.0000	2.0000	0.10000	0.00000	0.00000	1000	76
1,2,3,6,7,8-Hexa CDF	0.0000	2.0000	0.10000	0.00000	0.00000		
1,2,3,7,8,9-Hexa CDF	0.0000	2.0000	0.10000	0.00000	0.00000		
2,3,4,6,7,8-Hexa CDF	0.0000	2.0000	0.10000	0.00000	0.00000		
Total Hexa CDF	0.0000	2.0000					
1,2,3,4,6,7,8-Hepta CDF	0.0000	3.0000	0.01000	0.00000	0.00000	1000	78
1,2,3,4,7,8,9-Hepta CDF	0.0000	3.0000	0.01000	0.00000	0.00000		
Total Hepta CDF	0.0000	3.0000					
Octa CDF	0.0000	4.0000	0.00100	0.00000	0.00000		
TOTAL TOXIC EQUIVALENCY				0.00000	0.00000		

* CDD = CHLORO DIBENZO-P-DIOXIN
 ** CDF = CHLORO DIBENZO-FURAN
 RL = REPORTING LIMIT
 0.0000 = U = NOT DETECTED
 TR = TRACE AMOUNT DETECTED
 2,3,7,8-TCDF VALUE IS FROM CONFIRMATION COLUMN.
 SOME SURROGATE RECOVERIES ARE OUTSIDE CONTROL
 LIMITS. THE CORRESPONDING DATA IS THEREFORE OUT
 OF CONTROL. SOME MDL'S ARE RAISED DUE TO MATRIX
 EFFECTS.

Branko Vrzić
BRANKO VRZIC



ALS Environmental



ORGANICS QUALITY CONTROL REPORT

BATCH NO.: HK16879

DATE BATCH RECEIVED : 27/08/02

CLIENT : CH2M Hill

DATE BATCH COMPLETED : 05/09/02

Method Code	Test	Matrix	QC Lot Number	Date Samples Extracted	Date Samples Analysed
EP-066	PCB	Ash	066S288	29/08/02	31/08/02
EP-075	Semivolatile Scan	Ash	075S350	29/08/02	05/09/02

Desmond K F Poon
Assistant Supervisor - Organics

BATCH QUALITY CONTROL

ALS EP-066 : POLYCHLORINATED BIPHENYLS

QC LOT No. : C66S288

ANALYST: A. Wong

MATRIX: Ash

COMPOUND	Blank Conc. ug/l.	Spike Conc. ug/L	QC Spike Results		Control Limits	
			SCS Conc. ug/L	Rec. %	% Rec	
					Low	High
Total PCB	<LOR	0.50	0.48	95	83	139

Monochlorobiphenyl	ND	-	0.00
Dichlorobiphenyl	ND	-	0.00
Trichlorobiphenyl	ND	-	0.00
Tetrachlorobiphenyl	ND	-	0.09
Pentachlorobiphenyl	ND	-	0.25
Hexachlorobiphenyl	ND	-	0.13
Heptachlorobiphenyl	ND	-	0.01
Octachlorobiphenyl	ND	-	0.00
Nonachlorobiphenyl	ND	-	0.00
Decachlorobiphenyl	ND	-	0.00

COMMENTS :

1) A set of QC samples which comprise Blank and SCS is done for every 20 samples.

2) QC Acceptance Criteria :

To accept a QC, 80% of target analytes must pass both of the following criteria :

- a) Accuracy : Recovery of SCS must fall within the recovery control limits.
- b) Blank concentration must be less than LOR.

Control limits are established from the previous 20 QC sets of recovery data.

3) Abbreviations & Explanatory Notes:

QC : Quality Control

Rec. : Recovery

SCS : Single Control Sample - an interference free sample spiked with target analytes.

ND : Not Detected

LOR : Limit of Reporting - lowest concentration of target analytes for reporting.

Conc. : Concentration

* : Recovery falls outside the recommended control limits.

BATCH QUALITY CONTROL

ALS EP-075 : SEMIVOLATILE SCAN

GC LOT No. : 075S350

ANALYST: D. Poon

MATRIX: Soil

COMPOUND	Blank Conc. mg/kg	Spike Level mg/kg	QC SPIKE RESULTS		Control Limits	
			SCS Conc. mg/kg	Rec. %	% Recovery	
					Low	Hgh
EP-075A : PHENOLS						
Phenol	<LOR	1.25	0.91	72	58	129
2-Chlorophenol	<LOR	1.25	1.10	88	67	122
2-Methylphenol	<LOR	1.25	0.75	60	44	112
4-Methylphenol	<LOR	1.25	0.86	69	45	118
2-Nitrophenol	<LOR	1.25	1.10	88	46	128
2,4-Dimethylphenol	<LOR	1.25	0.20	16	0	103
2,4-Dichlorophenol	<LOR	1.25	1.08	86	60	114
2,6-Dichlorophenol	<LOR	1.25	1.08	86	60	114
4-Chloro-3-methylphenol	<LOR	1.25	1.15	92	50	121
2,4,6-Trichlorophenol	<LOR	1.25	1.09	87	54	117
2,4,5-Trichlorophenol	<LOR	1.25	1.14	91	59	125
Pentachlorophenol	<LOR	6.25	5.97	95	53	137
EP-075B : POLYAROMATIC HYDROCARBONS						
Naphthalene	<LOR	1.25	1.22	97	71	126
2-Methylnaphthalene	<LOR	1.25	1.34	107	64	128
2-Chloronaphthalene	<LOR	1.25	1.27	102	67	130
Acenaphthalene	<LOR	1.25	1.23	98	69	119
Acenaphthene	<LOR	1.25	1.32	106	76	126
Fluorene	<LOR	1.25	1.34	107	72	128
Phenanthrene	<LOR	1.25	1.41	113	80	125
Anthracene	<LOR	1.25	1.31	105	73	121
Fluoranthrene	<LOR	1.25	1.49	116	74	129
Pyrene	<LOR	1.25	1.40	112	74	131
N-2-Fluorenylacetimide	<LOR	1.25	0.94	76	38	142
Benz(a)anthracene	<LOR	1.25	1.19	95	57	130
Chrysene	<LOR	1.25	1.25	100	57	139
Benzo(b) & (k) Fluoranthene	<LOR	2.50	2.39	95	54	148
7,12-Dimethyl benz(a)anthracene	<LOR	1.25	1.21	97	31	204
Benzo(a)pyrene	<LOR	1.25	1.17	93	46	139
3-Methylcholanthrene	<LOR	1.25	1.20	86	41	147
Indeno(1,2,3-cd)pyrene	<LOR	1.25	1.15	92	61	126
Dibenz(a,h)anthracene	<LOR	1.25	0.98	78	65	129
Benzo(g,h,i)perylene	<LOR	1.25	1.22	99	71	131
EP-075C : PHTHALATE ESTERS						
Dimethylphthalate	<LOR	1.25	1.33	106	72	127
Diethylphthalate	<LOR	1.25	1.39	111	78	126
Di-n-butylphthalate	<LOR	1.25	1.68	135	75	148
Benzyl butyl phthalate	<LOR	1.25	1.36	109	68	133
Bis(2-ethylhexyl)phthalate	<LOR	1.25	1.43	114	68	134
Di-n-octylphthalate	<LOR	1.25	1.27	101	50	138
EP-075D : NITROSAMINES						

N-Nitrosomethylethylamine	<LOR	1.25	1.01	89	24	154
N-Nitrosodiethylamine	<LOR	1.25	1.05	84	31	132
N-Nitrosopyrrolidine	<LOR	1.25	1.02	82	3	144
N-Nitrosomorpholine	<LOR	1.25	1.09	87	20	137
N-Nitrosodi-n-propylamine	<LOR	1.25	1.10	88	28	138
N-Nitrosopiperidine	<LOR	1.25	1.08	86	32	127
N-Nitrosodibutylamine	<LOR	1.25	1.13	91	33	128
Diphenylamine & N-Nitroso-N-phenylamine	<LOR	2.50	2.19	88	30	152
Diallate	<LOR	1.25	1.36	109	70	132
Methapyriline	<LOR	1.25	1.12	89	0	169
EP-075E : NITROAROMATICS AND KETONES						
2-Picoline	<LOR	1.25	1.05	84	47	122
Acetophenone	<LOR	1.25	1.24	99	85	134
Nitrobenzene	<LOR	1.25	1.23	98	55	138
Isophorone	<LOR	1.25	1.21	97	63	125
2,6-Dinitrotoluene	<LOR	1.25	1.24	99	56	126
2,4-Dinitrotoluene	<LOR	1.25	1.16	93	48	128
1-Naphthalamine	<LOR	1.25	1.37	109	0	182
4-Nitroquinoline-N-oxide	<LOR	1.25	0.92	74	0	165
5-Nitro-o-toluidine	<LOR	1.25	1.32	105	37	140
Azobenzene	<LOR	1.25	1.30	104	54	129
1,3,5-Trinitrobenzene	<LOR	1.25	1.07	86	29	138
Phenacetin	<LOR	1.25	1.02	81	58	124
4-Aminobiphenyl	<LOR	1.25	1.24	99	5	154
Pentachloronitrobenzene	<LOR	1.25	1.30	104	63	132
Pronamide	<LOR	1.25	1.48	119	73	131
Dimethylaminoazobenzene	<LOR	1.25	1.01	80	52	143
Chlorobenzilate	<LOR	1.25	1.46	117	54	138
EP-075F : HALOETHERS						
Bis(2-chloroethyl)ether	<LOR	1.25	1.10	88	58	126
Bis(2-chloroethoxy)methane	<LOR	1.25	1.24	99	64	129
4-Chlorophenyl phenyl ether	<LOR	1.25	1.36	109	69	130
4-Bromophenyl phenyl ether	<LOR	1.25	1.36	109	68	129
EP-075G : CHLORINATED HYDROCARBONS						
1,3-Dichlorobenzene	<LOR	1.25	1.11	89	63	126
1,4-Dichlorobenzene	<LOR	1.25	1.11	89	65	124
1,2-Dichlorobenzene	<LOR	1.25	1.13	91	65	126
Hexachloroethane	<LOR	1.25	1.11	89	54	127
1,2,4-Trichlorobenzene	<LOR	1.25	1.17	94	65	126
Hexachloropropylene	<LOR	1.25	1.10	88	42	144
Hexachlorobutadiene	<LOR	1.25	1.14	91	61	127
Hexachlorocyclopentadiene	<LOR	6.25	5.14	82	31	132
Pentachlorobenzene	<LOR	1.25	1.31	105	68	138
Hexachlorobenzene	<LOR	1.25	1.38	109	67	127
EP-075H : ANILINES AND BENZIDINES						
Aniline	<LOR	1.25	0.71	57	0	178
4-Chloroaniline	<LOR	1.25	0.79	63	0	154
2-Nitroaniline	<LOR	1.25	1.13	91	57	122
3-Nitroaniline	<LOR	1.25	1.07	85	13	139
Dibenzofuran	<LOR	1.25	1.35	108	62	134
4-Nitroaniline	<LOR	1.25	0.94	76	48	133
Carbazole	<LOR	1.25	1.13	90	36	169
3,3'-Dichlorobenzidine	<LOR	1.25	1.40	112	13	158

EP-075I : ORGANOCHLORINE PESTICIDES						
alpha-BHC	<LOR	1.25	1.39	111	72	130
beta- & gamma-BHC	<LOR	2.50	2.96	119	75	136
delta-BHC	<LOR	1.25	1.48	118	81	132
Heptachlor	<LOR	1.25	1.48	116	67	135
Aldrin	<LOR	1.25	1.49	119	77	127
Heptachlorepoxyde	<LOR	1.25	1.52	121	67	133
Endosulfan 1	<LOR	1.25	1.63	122	83	127
p,p'-DDE	<LOR	1.25	1.48	118	72	129
Dieldrin	<LOR	1.25	1.48	117	79	134
Endrin	<LOR	1.25	1.45	116	57	132
Endosulfan 2	<LOR	1.25	1.53	122	70	130
p,p' DDD	<LOR	1.25	1.49	119	74	132
Endosulfan sulfate	<LOR	1.25	1.43	114	66	140
p,p'-DDT	<LOR	1.25	1.38	110	48	136
EP-075J : ORGANOPHOSPHORUS PESTICIDES						
Methanesulfonate methyl	<LOR	1.25	1.14	91	62	138
Methanesulfonate ethyl	<LOR	1.25	1.19	95	63	130
Dichlorvos	<LOR	1.25	1.22	97	59	122
cis-Isoteraia	<LOR	0.48	0.48	99	65	191
trans-Isoteraia	<LOR	0.79	0.79	101	63	130
Seferole	<LOR	1.25	1.23	98	60	126
Dimethoate	<LOR	1.25	1.24	99	47	137
Diazinon	<LOR	1.25	1.42	114	33	144
Chlorpyrifos methyl	<LOR	1.25	1.47	118	68	132
Malathion	<LOR	1.25	1.45	116	75	135
Fenthion	<LOR	1.25	1.39	111	68	131
Chlorpyrifos	<LOR	1.25	1.48	118	72	138
Pirimphosethyl	<LOR	1.25	1.39	113	76	131
Chlorfenvinphos-E	<LOR	0.16	0.14	92	19	168
Chlorfenvinphos-Z	<LOR	1.10	1.30	118	57	154
Prothiotos	<LOR	1.25	1.29	103	74	134
Edlton	<LOR	1.25	1.44	115	72	140

COMMENTS :

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a) Accuracy : Recovery of SCS must fall within the recovery control limits.

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Rec. : Recovery

SCS : Single Control Sample - an interference free sample spiked with target analytes.

ND : Not Detected

LOR : Limit of Reporting - lowest concentration of target analytes for reporting.

Conc. : Concentration

* : Recovery falls outside the recommended control limits.

在焚化爐煙道收集的灰燼樣本

ALS TECHNICHEM (HK) Pty Ltd

PRELIMINARY

ALS Environmental

CERTIFICATE OF ANALYSIS

CONTACT:	MR SIMEON CHENG	Batch:	HK17759
CLIENT:	CH2M HILL (CHINA) LIMITED	Sub Batch:	0
ADDRESS:	28/F SIU ON CENTRE 188 LOCKHART ROAD WANCHAI HONG KONG	LABORATORY:	HONG KONG
ORDER No.:		DATE RECEIVED:	08/11/2002
PROJECT:		DATE OF ISSUE:	23/11/2002
		SAMPLE TYPE:	ASH
		No. of SAMPLES:	2

COMMENTS

Two ash samples, sample 1 and sample 2 were collected by ALS staff on 8 November 2002. Dioxin analysis were subcontracted and tested by Maxxam Analytics Inc. Maxxam Analytics Inc detailed report is attached. Project Name: 8047MM - Remodeling of Tang Shiu Kin Hospital into an Ambulatory Care Centre Consultancy for Decommissioning and Demolition of Clinical Waste Incinerator, Laboratory Service

TESTING METHODS

The analysis is based on USEPA 8290

NOTES

This is the Final Report and supersedes any preliminary report with this batch number. Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

ISSUING LABORATORY: HONG KONG**Address**

ALS Technichem (HK) Pty Ltd
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Santiago
Ampfagasta
Lima

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

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Page 1 of 6

CERTIFICATE OF ANALYSIS



Maxxam Analytics Inc report is attached
for the analysis of Dioxins in Ash.
This attach report contains a total of 4 pages.

ALS Technichem (HK) Pty Ltd

ALS Environmental

Page 2 of 5

DIBENZO-DIOXINS/FURANS IN ASH

MAXXAM JOB #: A2372E2
 MAXXAM SAMPLE #: 901933
 Sampling Date: 2002/11/08

PROJECT NAME:
 PROJECT #: HK17759
 Report Date: 2002/11/22

CONC. UNITS = ppb = pg/g
 RL Units = ppb = pg/g

Compounds	HK17759 #1 SAMPLE 1		TOXIC EQUIVALENCY			RECOVERIES OF C13 SURROGATES	
	CONC	RL	TEF	TEQ(RL)	TEQ(5RL)	pg SPIKED	% RECOVERED
2,3,7,8-Tetra CDD *	988.0000	5.0000	1.0000	988.0000	909.0000	1000	89
Total Tetra CDD	988.0000	10.0000					
1,2,3,7,8-Penta CDD	2770.0000	10.0000	0.5000	1385.0000	1385.0000	1000	99
Total Penta CDD	12800.0000	10.0000					
1,2,3,4,7,8-Hexa CDD	1150.0000	50.0000	0.1000	115.0000	115.0000		
1,2,3,6,7,8-Hexa CDD	1740.0000	50.0000	0.1600	174.0000	174.0000	1000	43
1,2,3,7,8,9-Hexa CDD	3480.0000	50.0000	0.1600	348.0000	348.0000		
Total Hexa CDD	13200.0000	50.0000					
1,2,3,4,6,7,8-Hepta CDD	3130.0000	50.0000	0.0100	31.3000	31.3000	1000	58
Total Hepta CDD	7220.0000	50.0000					
Octa CDD	1440.0000	200.0000	0.0010	1.4400	1.4400	2000	57
2,3,7,8-Tetra CDF **	4930.0000	10.0000	0.1000	493.0000	493.0000	1000	69
Total Tetra CDF	64920.0000	10.0000					
1,2,3,7,8-Penta CDF	7050.0000	10.0000	0.5000	352.5000	352.5000	1000	124
2,3,4,7,8-Penta CDF	11600.0000	10.0000	0.5000	580.0000	580.0000		
Total Penta CDF	50700.0000	10.0000					
1,2,3,4,7,8-Hexa CDF	13900.0000	50.0000	0.1000	1390.0000	1390.0000	1000	67
1,2,3,6,7,8-Hexa CDF	7750.0000	50.0000	0.1000	775.0000	775.0000		
1,2,3,7,8,9-Hexa CDF	565.0000	50.0000	0.1000	56.5000	56.5000		
2,3,4,6,7,8-Hexa CDF	6800.0000	50.0000	0.1000	680.0000	680.0000		
Total Hexa CDF	35300.0000	50.0000					
1,2,3,4,6,7,8-Hepta CDF	11800.0000	50.0000	0.0100	118.0000	118.0000	1000	57
1,2,3,4,7,8,9-Hepta CDF	1700.0000	50.0000	0.0100	17.0000	17.0000		
Total Hepta CDF	14400.0000	50.0000					
Octa CDF	3170.0000	200.0000	0.0010	3.1700	3.1700		
TOTAL TOXIC EQUIVALENCY				12638.4100	12638.4100		

* CDD = CHLORO DIBENZO-P-DIOXIN
 ** CDF = CHLORO DIBENZOFURAN
 RL = REPORTING LIMIT
 0.0000 = U = NOT DETECTED
 TR = TRACE AMOUNT DETECTED

The surrogates on the spiked blank are out of control; however, the native compounds are within the required 80-120% limits due to isotope dilution corrections. 2,3,7,8-TCDF has been confirmed.

EDMOND MCNEIL, B.Sc., C.Chem

DIBENZO-DIOXINS/FURANS IN ASH

MAXXAM JOB #: A237262
 MAXXAM SAMPLE #: 901943
 Sampling Date: 2002/11/08

PROJECT NAME:
 PROJECT # HK17758
 Report Date: 2002/11/27

CONC. UNITS = ppt = pg/g
 RL Units = ppt = pg/g

Compounds	HK17758 #2 SAMPLE 2		TOXIC EQUIVALENCY			RECOVERIES OF C13 SURROGATES	
	CONC	RL	TRF	TEQ(RL)	TEQ(C.SRL)	IN SPIKED	% RECOVERED
2,3,7,8-Tetra CDD *	438.0000	5.0000	1.0000	438.0000	438.0000	1000	63
Total Tetra CDD	3520.0000	10.0000					
1,2,3,7,8-Penta CDD	1420.0000	10.0000	0.5000	710.0000	710.0000	1000	81
Total Penta CDD	5160.0000	10.0000					
1,2,3,4,7,8-Hexa CDD	685.0000	50.0000	0.1000	68.5000	68.5000		
1,2,3,6,7,8-Hexa CDD	1090.0000	50.0000	0.1000	109.0000	109.0000	1000	73
1,2,3,7,8,9-Hexa CDD	1870.0000	50.0000	0.1000	187.0000	187.0000		
Total Hexa CDD	5880.0000	50.0000					
1,2,3,4,6,7,8-Hepta CDD	2810.0000	50.0000	0.0100	28.1000	28.1000	1000	70
Total Hepta CDD	3280.0000	50.0000					
Octa CDD	1450.0000	200.0000	0.00100	1.45000	1.45000	2000	64
2,3,7,8-Tetra CDF **	3370.0000	10.0000	0.1000	337.0000	337.0000	1000	67
Total Tetra CDF	27200.0000	10.0000					
1,2,3,7,8-Penta CDF	4480.0000	10.0000	0.0500	224.0000	224.0000	1000	118
2,3,4,7,8-Penta CDF	6080.0000	10.0000	0.5000	3040.0000	3040.0000		
Total Penta CDF	16600.0000	10.0000					
1,2,3,4,7,8-Hexa CDF	7420.0000	50.0000	0.1000	742.0000	742.0000	1000	89
1,2,3,6,7,8-Hexa CDF	4470.0000	50.0000	0.1000	447.0000	447.0000		
1,2,3,7,8,9-Hexa CDF	257.0000	50.0000	0.1000	25.7000	25.7000		
2,3,4,6,7,8-Hexa CDF	3270.0000	50.0000	0.1000	327.0000	327.0000		
Total Hexa CDF	17700.0000	50.0000					
1,2,3,4,6,7,8-Hepta CDF	5280.0000	50.0000	0.0100	52.8000	52.8000	1000	65
1,2,3,4,7,8,9-Hepta CDF	801.0000	50.0000	0.0100	8.0100	8.0100		
Total Hepta CDF	6360.0000	50.0000					
Octa CDF	821.0000	200.0000	0.00100	0.82100	0.82100		
TOTAL TOXIC EQUIVALENCY				6638.48100	6638.48100		

* CDD = CHLORO DIBENZO-DIOXIN
 ** CDF = CHLORO DIBENZOFURAN
 RL = REPORTING LIMIT
 0.0000 = L = NOT DETECTED
 TR = TRACE AMOUNT DETECTED

The surrogates on the spiked blank are out of control; however, the native compounds are within the required 80-120% limits due to isotope dilution corrections. 2378-TCDF has been confirmed.

EDMOND MCNEIL, B.Sc., C.Chem.

DIBENZO-DIOXINS/FURANS IN ASH

MAXXAM JOB #: A227262
 MAXXAM SAMPLE #: SPIKED BLANK

PROJECT NAME:
 PROJECT #: HRC 7769
 Report Date: 2002/11/22

CONC. UNITS = ppb = pg/g
 RL Units = ppt = pg/g

Compounds	SPIKED BLANK		TOXIC EQUIVALENCY			RECOVERIES OF C13 SURROGATES	
	% RECOVERY	RL	TEF	TEQ(RL)	TEQ(0.5RL)	pp SPIKED	% RECOVERED
2,3,7,8-Tetra CDD *	88	5.0000	1.00000	88.00000	88.00000	1000	12
1,2,3,7,8-Penta CDD	101	10.0000	0.50000	50.50000	50.50000	1000	16
1,2,3,4,7,8-Hexa CDD	97	50.0000	0.10000	2.10000	9.70000		
1,2,3,6,7,8-Hexa CDD	101	50.0000	0.10000	10.10000	10.10000	1000	37
1,2,3,7,8,9-Hexa CDD	99	50.0000	0.10000	9.90000	9.90000		
1,2,3,4,6,7,8-Hepta CDD	89	60.0000	0.01000	0.80000	0.80000	1000	45
Octa CDD	87	200.0000	0.00100	0.08700	0.08700	2000	42
2,3,7,8-Tetra CDF **	103	10.0000	0.10000	10.30000	10.30000	1000	8.3
1,2,3,7,8-Penta CDF	93	10.0000	0.05000	4.65000	4.65000	1000	13
2,3,4,7,8-Penta CDF	96	10.0000	0.50000	48.00000	48.00000		
1,2,3,4,7,8-Hexa CDF	96	50.0000	0.10000	9.80000	9.80000	1000	31
1,2,3,6,7,8-Hexa CDF	92	50.0000	0.10000	9.20000	9.20000		
1,2,3,7,8,9-Hexa CDF	94	50.0000	0.10000	9.40000	9.40000		
2,3,4,6,7,8-Hexa CDF	87	50.0000	0.10000	8.70000	8.70000		
1,2,3,4,8,7,8-Hepta CDF	60	60.0000	0.01000	0.60000	0.60000	1000	40
1,2,3,4,7,8,9-Hepta CDF	91	50.0000	0.01000	0.91000	0.91000		
Octa CDF	89	200.0000	0.00100	0.08900	0.08900		
TOTAL TOXIC EQUIVALENCY				270.32500	270.32800		

* CDD = CHLORO DIBENZO-P-DIOXIN

** CDF = CHLORO DIBENZOFURAN

RL = REPORTING LIMIT

0.0000 = U = NOT DETECTED

TR = TRACE AMOUNT DETECTED

The surrogates on the spiked blank are out of control; however, the native compounds are within the required 80-120% limits due to isotope dilution corrections. 2,3,7,8-TCDF has been confirmed.

EDMOND MCNEIL, B.Sc., C.Chem.

DIBENZO-DIOXINS/FURANS IN ASH

MAXXAM JOB #: A257262
 MAXXAM SAMPLE #: METHOD BLANK

PROJECT NAME:
 PROJECT #: HK17752
 Report Date: 2002/11/22

CONC. UNITS = ppt = pg/g
 RL Units = ppt = pg/g

Compounds	METHOD BLANK		TOXIC EQUIVALENCY				RECOVERIES OF C13 SURROGATES	
	CONC	RL	HTEF	TEC/RL	TEQ/D.SRL	pg SPIKED	% RECOVERED	
2,3,7,8-Tetra CDD *	U	5.0000	1.0000	0.0000	0.0000	2000	58	
Total Tetra CDD	U	10.0000						
1,2,3,7,8-Penta CDD	U	10.0000	0.5000	0.0000	0.0000	1000	41	
Total Penta CDD	U	10.0000						
1,2,3,4,7,8-Hexa CDD	U	50.0000	0.1000	0.0000	0.0000			
1,2,3,6,7,8-Hexa CDD	U	50.0000	0.1000	0.0000	0.0000	1000	86	
1,2,3,7,8,9-Hexa CDD	U	50.0000	0.1000	0.0000	0.0000			
Total Hexa CDD	U	50.0000						
1,2,3,4,6,7,8-Hepta CDD	U	50.0000	0.0100	0.0000	0.0000	1000	87	
Total Hepta CDD	U	50.0000						
Octa CDD	U	200.0000	0.00100	0.0000	0.0000	2000	68	
2,3,7,8-Tetra CDF **	U	10.0000	0.1000	0.0000	0.0000	1000	41	
Total Tetra CDF	U	10.0000						
1,2,3,7,8-Penta CDF	U	10.0000	0.0500	0.0000	0.0000	1000	41	
2,3,4,7,8-Penta CDF	U	10.0000	0.5000	0.0000	0.0000			
Total Penta CDF	U	10.0000						
1,2,3,4,7,8-Hexa CDF	U	50.0000	0.1000	0.0000	0.0000	1000	77	
1,2,3,6,7,8-Hexa CDF	U	50.0000	0.1000	0.0000	0.0000			
1,2,3,7,8,9-Hexa CDF	U	50.0000	0.1000	0.0000	0.0000			
2,3,4,6,7,8-Hexa CDF	U	50.0000	0.1000	0.0000	0.0000			
Total Hexa CDF	U	50.0000						
1,2,3,4,6,7,8-Hepta CDF	U	50.0000	0.0100	0.0000	0.0000	1000	77	
1,2,3,4,7,8,9-Hepta CDF	U	50.0000	0.0100	0.0000	0.0000			
Total Hepta CDF	U	50.0000						
Octa CDF	U	200.0000	0.00100	0.0000	0.0000			
TOTAL TOXIC EQUIVALENCY				0.0000	0.0000			

* CDD = CHLORO DIBENZO-P-DIOXIN

** CDF = CHLORO DIBENZOFURAN

RL = REPORTING LIMIT

0.0000 = U = NOT DETECTED

TR = TRACE AMOUNT DETECTED

The surrogates on the spiked blank are out of control, however, the native compounds are with the required 80-120% limits due to isotope dilution corrections. 2378-TCDF has been confirmed.

EDMOND MCNEIL, B.Sc., C.Chem

附件 丙

焚化爐及其煙道的照片



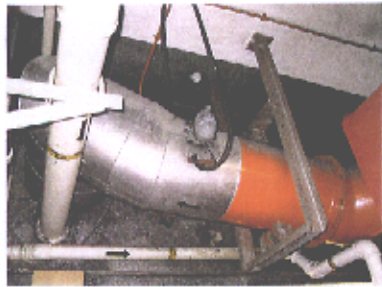
將被拆卸的焚化爐



燃燒爐



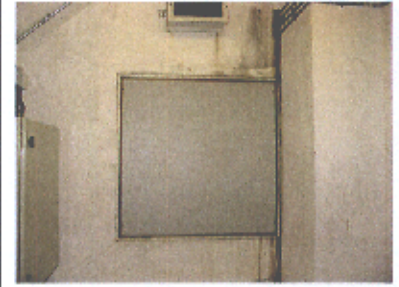
燃燒爐內的灰燼



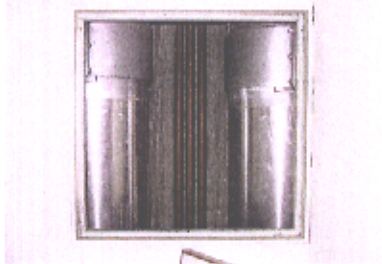
在焚化爐室內的煙道



在鍋爐室內的煙道



機電房內的分隔部分



分隔部分的內觀
(焚化爐的煙道在右面)



在下層的垂直管道被切開作
視察用途



在屋頂上的焚化爐煙囪