

Environmental Protection Department
Branch Office

28th Floor, Southern Centre,
130 Hennessy Road,
Wan Chai, Hong Kong.

環境保護署分處

香港灣仔
軒尼詩道
一百三十號
修頓中心廿八樓



本署編號
OUR REF: (6) in EPAC/A/14/031/145
來函編號
YOUR REF:
電話
TEL NO.: 2835 1254
圖文傳真
FAX NO.: 2834 9960
電子郵件
E-MAIL:
網址
HOME PAGE: <http://www.epd.gov.hk>

Hyder Consulting Limited

Date received - 8 FEB 2007

Reg no. 2007-615

Div/Dep. ENV

Manager. GUN

Date received in Div/Dep. 8 FEB 2007

For Action	For Info	Sign	Date
AR		AB	6/3/07
JP		GP	5/3/07
GH		GP	6/3/07

Copy to

Reply date

File ref. 240126-07

7 February 2007

Hyder Consulting Limited
47/F Hopewell Centre, 183 Queen's Road East
Wan Chai, Hong Kong
Attn.: Mr. Alexi Bhanja
Principal Environmental Consultant

BY FAX 2805 5028

Dear Sir,

Air Pollution Control Ordinance Cap.311
Asbestos Investigation Report

Wo Hop Shek Crematorium

On 29 January 2007, I received a submission from your registered asbestos consultant, Mr. James LEUNG, of a revised asbestos investigation report for the above premises.

The asbestos investigation report concluded that no asbestos containing material was found at the above premises. As a cautious measure, I would like to advise that if suspected asbestos containing material is found during your works at the premises, you should seek advice from a registered asbestos consultant before the suspected asbestos containing material is disturbed.

Moreover, with regard to the inaccessible areas identified in the report, please would you arrange a registered asbestos consultant to inspect the areas and to submit a supplementary report to us before commencement of any works on these areas.

Yours sincerely,

T.M. POON
(T. M. POON)

Environmental Protection Officer
for Director of Environmental Protection

cc Director of Architectural Services (Attn.: Mr. S.W. CHOW) Fax 2523 9622
Registered Asbestos Consultant, Mr. James LEUNG Fax 2169 6300

MX070024/TX070038



安誠工程顧問有限公司
香港灣仔
皇后大道東183號
合和中心47樓

Hyder Consulting Limited
47/F Hopewell Centre,
183 Queen's Road East,
Wan Chai, Hong Kong

電話: (852) 2911 2233
圖文傳真: (852) 2805 5028
電子郵件: hyder.hk@hyderconsulting.com
網址: www.hyderconsulting.com

Tel : (8621) 2911 2233
Fax : (8621) 2805 5028
Email : hyder.hk@hyderconsulting.com
Website : www.hyderconsulting.com

Hyder Consulting Limited is incorporated in Hong Kong with limited liability.
COI Number 126012

29 January 2007

BY HAND

Environmental Protection Department
27/F Southorn Centre
Hennessy Road
Wanchai
Hong Kong

Your Ref:

Our Ref: 1256-05/E07-04396

For the attention of: Ms Jolitta Chan

Dear Ms Chan,

**EIA for Provision of Cremators at Wo Hop Shek Crematorium
Asbestos Investigation Report**

We refer to your letter dated on 17 August 2006 (your ref: EPAC/A/14/031/145) requesting provision of additional information on the captioned report. We hereby provide our revised report as enclosed.

Should you have any queries, please do not hesitate to contact me at 2911 2916.

Yours sincerely

A handwritten signature in black ink, appearing to read "Alexi Bhanja".

Alexi Bhanja
Principal Environmental Consultant
HYDER CONSULTING LIMITED

Enc.


cc Mr MC Chung, PA 41/F, Queensway Government Offices, 66 Queensway, Hong Kong
(ArchSD)
Ms. Lisa Chiu (FEHD) Administration and Development Branch Planning and
Development Section 2/F, 3 Edinburgh Place, Central, Hong Kong

AB/AMt



Provision of Cremators at Wo Hop Shek Crematorium

Asbestos Investigation Report
and Asbestos Abatement Plan



Mr. James Leung (1002)
Registered Asbestos Consultant

Contents

1	INTRODUCTION	1
2	PARTICULARS OF CONCERNED PARTIES.....	1
3	SCOPE OF WORKS.....	2
4	WORKS UNDERTAKEN	2
4.1	Record Review.....	2
4.2	Field Work.....	2
4.3	Sampling	7
4.4	Laboratory Analysis	7
5	RECOMMENDATIONS	9

List of Tables

Table 4-1	Summary of Survey
Table 4-2	Sampling Criteria
Table 4-3	Laboratory Analysis Results

List of Figures

Figure AIR/AAP 1	Site Location Plan
Figure AIR/AAP 2	Elevation at Coffin Crematorium
Figure AIR/AAP 3	Ground Floor Plan at Coffin Crematorium
Figure AIR/AAP 4	Roof Plan at Coffin Crematorium

Appendix 1

General Layout

Appendix 2

Manufacturer Correspondence &
Material Safety Data Sheets

Appendix 3

Photographic Records

Appendix 4

Sampling Location Plan

Appendix 5

Laboratory Report

1 INTRODUCTION

Hyder Consulting Limited was appointed to conduct an EIA for the provision of cremators at Wo Hop Shek Crematorium. Structures to be demolished include the coffin crematorium building, transformer room, existing coffin cremators and skeletal cremator building. The existing Wo Hop Shek Crematorium is located at Kiu Tau Road, North District. The general layout plan of the subject area is detailed in Appendix 1. In order to ascertain existence of asbestos contained material, an asbestos assessment for the captioned work is undertaken.

2 PARTICULARS OF CONCERNED PARTIES

Owner: Food and Environmental Hygiene Department

Client: Architectural Services Department

Representative: Mr. S W Chow, Senior Project Manager 321

Address: 37/F Queensway Government Offices, 66
Queensway, Hong Kong

Telephone: 2867 3716

Fax: 2523 9622

Registered Asbestos Consultant: Mr. James Leung (1002)

Address: G/F, B, 25 Hing Hon Road, Mid-Level West, Hong
Kong.

Tel: 9411 7975

Fax: 2169 6300

Registered Asbestos Laboratory: ETS – Testconsult Limited (4003)

Address: 8/F., Block B, Veristrong Industrial Centre, 34-36 Au
Pui Wan Street, Fo Tan, New Territories.

Tel: 2695 8318

Fax: 2695 3944

3 SCOPE OF WORKS

Scope of work for this asbestos assessment include:

- Conduct an asbestos survey for the existing Crematorium at Wo Hop Shek.
- Collect suspected asbestos containing materials (ACM) for further analysis.
- Prepare an Asbestos Investigation Report (AIR) and, if necessary, an Asbestos Abatement Plan (AAP).

4 WORKS UNDERTAKEN

4.1 Record Review

The following information was collected from the owner and client for preliminarily studying the existing potential ACM of the crematorium:

- Site location plan (Figure AIR/AAP-1 in Appendix 1)
- Elevation at Coffin Crematorium (Figure AIR/AAP-2 in Appendix 1)
- Manufacturer Correspondence and Material Safety Data Sheets (Appendix 2)

4.2 Field Work

The asbestos survey was carried out on 28th April, 10th May and 14th September 2006. The survey consisted of a visual inspection of the premises, review of material specifications for firebricks and some insulation boards used in the coffin cremator, insulation cloth/rope and other refractory (details refer to Appendix 2). The consultant did not survey any unexposed area of the premises such as concealed or underground water pipes, cables and mains, etc. Bitumen roofing felt material was observed on the roofs of the skeletal and coffin cremators. Under the Air Pollution Control Ordinance (CAP 311), Section 69(3) this is listed as an exempted item.

Interviews with representatives of the owner and client were also conducted. Material specifications for some insulating materials found in the storage room and used on both cremators have been provided by the client and manufacturers. The data sheets indicate these materials to be asbestos free and have been confirmed as such by the manufacturers. Refer to Appendix 2 for details.

The following materials were inspected during the survey and are summarized in Table 4-1. Photographic records of these materials and their discovery locations are appended in Appendix 3.

Items Surveyed	Location	Finding	Sample Collected	Sample Code	Photo
Concrete tiles	Roof of coffin crematorium building	Suspected ACM	x ⁽¹⁾	Not applicable	A3-1
			✓	B/261/06/1	A3-2
			✓	B/261/06/4	A3-3
			✓	B/261/06/7	A3-4
			✓	B/261/06/13	A3-5
			✓	B/261/06/14	A3-6
Expansion joints	Roof of coffin crematorium building	Suspected ACM	✓	B/261/06/3	A3-7
			✓	B/261/06/6	A3-8
Fibrous cloth	Between flanges of the ducting sections located next to the air blowers	Suspected ACM	✓	B/261/06/9	A3-9
			✓	B/261/06/10	A3-10
Sound proofing bricks	Fish pond	Suspected ACM	✓	B/261/06/11	A3-11
			✓	B/261/06/12	A3-12
Flooring material	Cremation rooms, Committal Room, Plant Room and Chinese Hall.	Non ACM (Ceramic tiles, concrete, wood, vinyl sheet)	x	Not applicable	A3-13
Rockwool	Storage Room	Non ACM (synthetic fibre)	x	Not applicable	A3-14 A3-15
Superwool & Carbowool	Storage room	Non ACM (synthetic fibre)	x	Not applicable	A3-16
Glass fibre	Storage room	Non ACM (synthetic fibre)	x	Not applicable	A3-17
Shiral 60AD - Grey fire bricks	Cremators Room and Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-18

Items Surveyed	Location	Finding	Sample Collected	Sample Code	Photo
Green fire bricks	Cremators Room and Storage Room	Suspected ACM	✓	B/528/06/03 & 04	A3-19
Shiraflo SC60 – dark grey fire bricks	Cremators Room and Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-20
JM Insulating Firebricks - white fire bricks	Cremators Room and Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-21
JM Insulating Firebricks - Yellow fire bricks	Cremators Room and Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-22
Shiral 60 AD - dark yellow fire bricks	Cremators Room and Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-23
Shiral 60 AD - White dotted fire bricks	Cremators Room and Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-24
Orange fire bricks	Cremators Room and Storage Room	Suspected ACM	✓	B/528/06/15 & 16	A3-25
Beige fire bricks	Cremators Room and Storage Room	Suspected ACM	✓	B/528/06/17 & 18	A3-26
Shiraflo SC60 - Grey thin bricks	Cremators Room and Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-27
Coating	Ducting in Plant Room	Non ACM (Epoxy)	x	Not applicable	A3-28
Insulating material for air conditioning system	Plant Room	Non ACM (Fibre glass)	x	Not applicable	A3-29

Items Surveyed	Location	Finding	Sample Collected	Sample Code	Photo
Flexible joint	I.D. Fan and Cremator Room	Non ACM (plastic)	×	Not applicable	A3-30 and 31
Switch box	Switch Room in Cremator Room	Non ACM (Plastic)	×	Not applicable	A3-32
Boral Plaster board	Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-33 A3-34
Grey panel board	Storage Room	Suspected ACM	✓	B/528/06/23 & 24	A3-35 A3-36
White cement board	Storage Room	Suspected ACM	✓	B/528/06/25 & 26	A3-37 A3-38
Shiracrete 80 CR	Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-39 A3-40
FBF Refractory Material	Storage Room	Suspected ACM	✓	B/528/06/29 & 30	A3-41 A3-42
White bag	Storage Room	Suspected ACM	✓	B/528/06/31 & 32	A3-43 A3-44
Brown bag	Storage Room	Suspected ACM	✓	B/528/06/33 & 34	A3-45 A3-46
Resitect 190 K E13	Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-47
Silcal HS Mortar	Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-48
Triset Mortar	Storage Room	Non ACM (refer to Appendix 2 for details)	x ⁽³⁾	Not applicable	A3-49

Items Surveyed	Location	Finding	Sample Collected	Sample Code	Photo
Blakite Air Setting Mortar	Storage Room	Non ACM (refer to Appendix 2 for details)	× ⁽³⁾	Not applicable	A3-50
Nylon bag	Storage Room	Suspected ACM	✓	B/528/06/43 & 44	A3-51 A3-52
Coffin Cremator Room	Coffin Cremator Room	No ACM is identified	×	Not applicable	A3-53 to A3-54
Fire Pump Building	Fire Pump Building	No ACM is identified	×	Not applicable	A3-55
Refuse Room	Refuse Room	No ACM is identified	×	Not applicable	A3-56
Flexitallc CFP1 Seal rope	Handle bar in Skeletal Room	Non ACM (refer to Appendix 2 for details)	×	Not applicable	A3-57
Bitumen roofing felt	Roof of skeletal cremator building	Bitumen roofing felt	× ⁽²⁾	Not applicable	A3-58
Switch Room in Skeletal Cremator Building	Switch Room in Skeletal Cremator Building	No ACM is identified	×	Not applicable	A3-59

Notes:

- (1) This is a general view of the roof so no sample was collected.
- (2) Bitumen roofing felt material was observed on the roof of the skeletal cremator. Under the Air Pollution Control Ordinance (CAP 311), Section 69(3) this is listed as an exempted item. Hence samples were not taken.
- (3) Samples were collected but not analysed.

Table 4-1 Summary of Survey

As the incense burner, coffin and skeletal crematorium were still operational, they could not be adequately inspected or sampled. These areas contain the following materials that are suspected ACM:

- Fire bricks at lining of coffin cremator chimney
- Fire bricks at lining of skeletal cremator and its chimney (Photo A3-28 to A3-30);

- Insulation boards on the outside of the coffin cremator (Photo A3-31 to A3-32);
- Incense burner;
- I.D. fan flanges;
- Gasket at underground ducting flanges in cremator room (Photo A3-33); and
- Internal sections of the ducting that runs between the I.D. Fans and the chimney.

These areas should be thoroughly investigated prior to any demolition work commencing to ascertain the presence of any ACM. The additional findings could be submitted as supplementary information to the findings of this report.

4.3 Sampling

Sampling and analysis of suspected asbestos-containing materials were carried out by ETS-Test Consult Limited. Sampling locations are detailed in Figures AIR/AAP-3 & 4 as appended in Appendix 4. The following sampling criteria have been adopted:

Type of Materials	Area or Length	Number of Samples
Homogeneous surface materials	<100 sq.m.	At least 3
	100-500 sq.m.	5
	>500 sq.m.	At least 7
Thermal insulation e.g. coating, plaster etc.	Each homogenous run	At least 3
Miscellaneous materials	Each homogeneous material	At least 2

Table 4-2 Sampling Criteria

4.4 Laboratory Analysis

Twenty nine samples of suspected ACM were collected. These samples have been analysed for the presence and type of asbestos according to the Laboratory's HOKLAS accredited testing procedures. The results are detailed in Appendix 5 and are summarised in Table 4-3.

Items Surveyed	Location	Sample Code	Photo	Type and Content of Asbestos Present
Concrete tiles	Roof of coffin crematorium building	B/261/06/1	A3-2	Non-ACM
		B/261/06/4	A3-3	Non-ACM
		B/261/06/7	A3-4	Non-ACM
		B/261/06/13	A3-5	Non-ACM
		B/261/06/14	A3-6	Non-ACM
Firebricks	Storage Room	B/528/06/03	A3-19, A3-25, A3-26	Non-ACM
		B/528/06/04		
		B/528/06/15		
		B/528/06/16		
		B/528/06/17		
Grey panel board	Storage Room	B/528/06/23	A3-35, A3-36	Non-ACM
		B/528/06/24		
White cement board	Storage Room	B/528/06/25	A3-37 A3-38	Non-ACM
		B/528/06/26		
Refractory Material – white paper bag	Storage Room	B/528/06/31	A3-43 A3-44	Non-ACM
		B/528/06/32		
Refractory Material – brown bag	Storage Room	B/528/06/33	A3-45 A3-46	Non-ACM
		B/528/06/34		
Refractory Material – white nylon bag	Storage Room	B/528/06/43	A3-51 A3-52	Non-ACM
		B/528/06/44		
FBF Refractory Material	Storage Room	B/528/06/29	A3-41 A3-42	Non-ACM
		B/528/06/30		
Expansion joints	Roof of coffin crematorium building	B/261/06/3	A3-7	Non-ACM
		B/261/06/6	A3-8	Non-ACM

Fibrous cloth	Between flanges of the ducting sections located next to the air blowers	B/261/06/9	A3-9	Non-ACM
		B/261/06/10	A3-10	Non-ACM
Sound proofing bricks	Fish pond	B/261/06/11	A3-11	Non-ACM
		B/261/06/12	A3-12	Non-ACM

Table 4-3 Laboratory Analysis Results

5 RECOMMENDATIONS

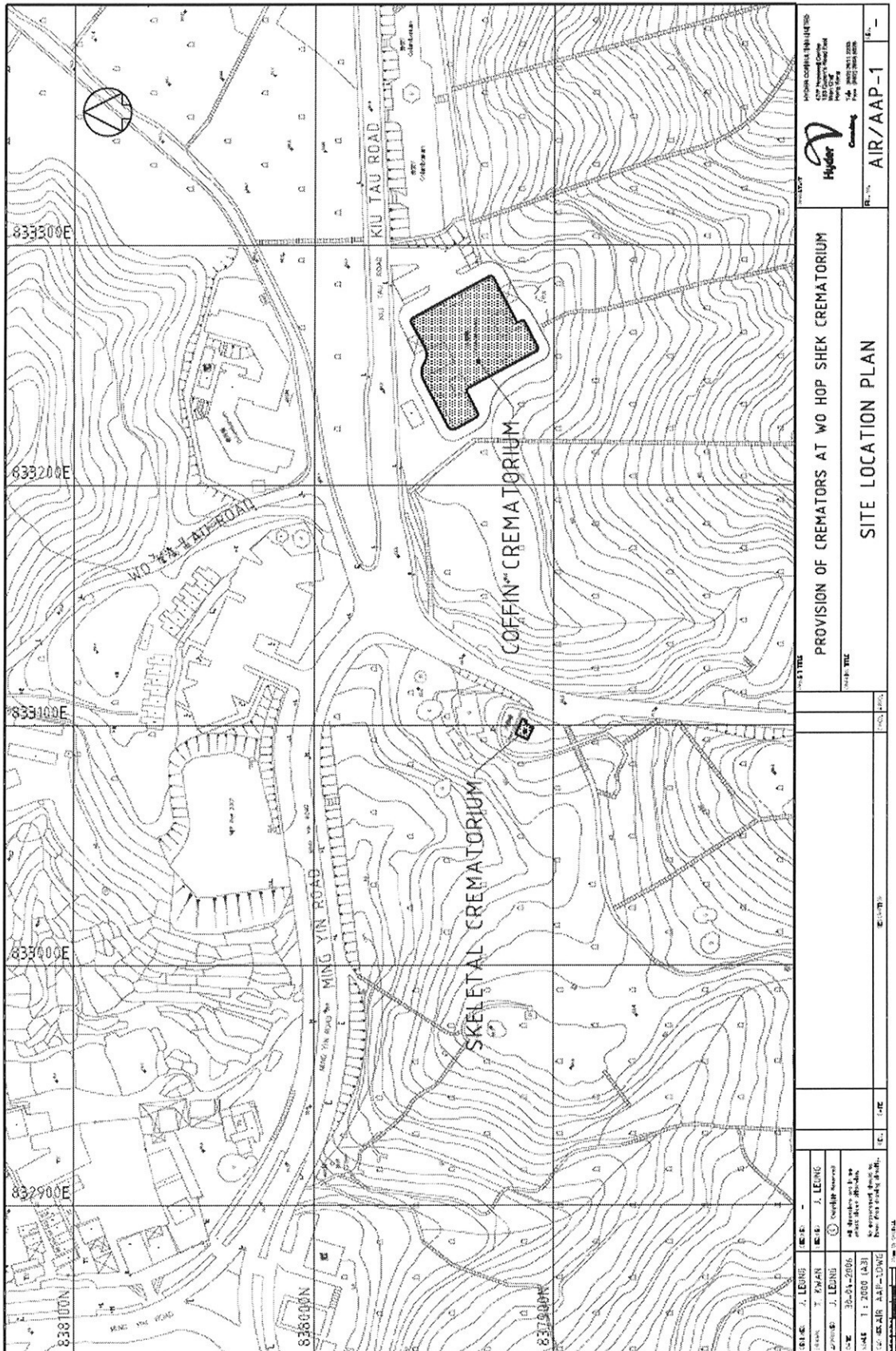
The findings of this investigation indicate there are no ACM materials present on the premises. An Asbestos Abatement Plan is therefore not prepared.

All areas accessible to the Consultant have been visually examined and materials suspected of containing asbestos have been sampled and analysed by a HOKLAS accredited laboratory to determine the presence of asbestos. Asbestos containing materials identified in this report, if any, may not be the only ACMs within the subject area.

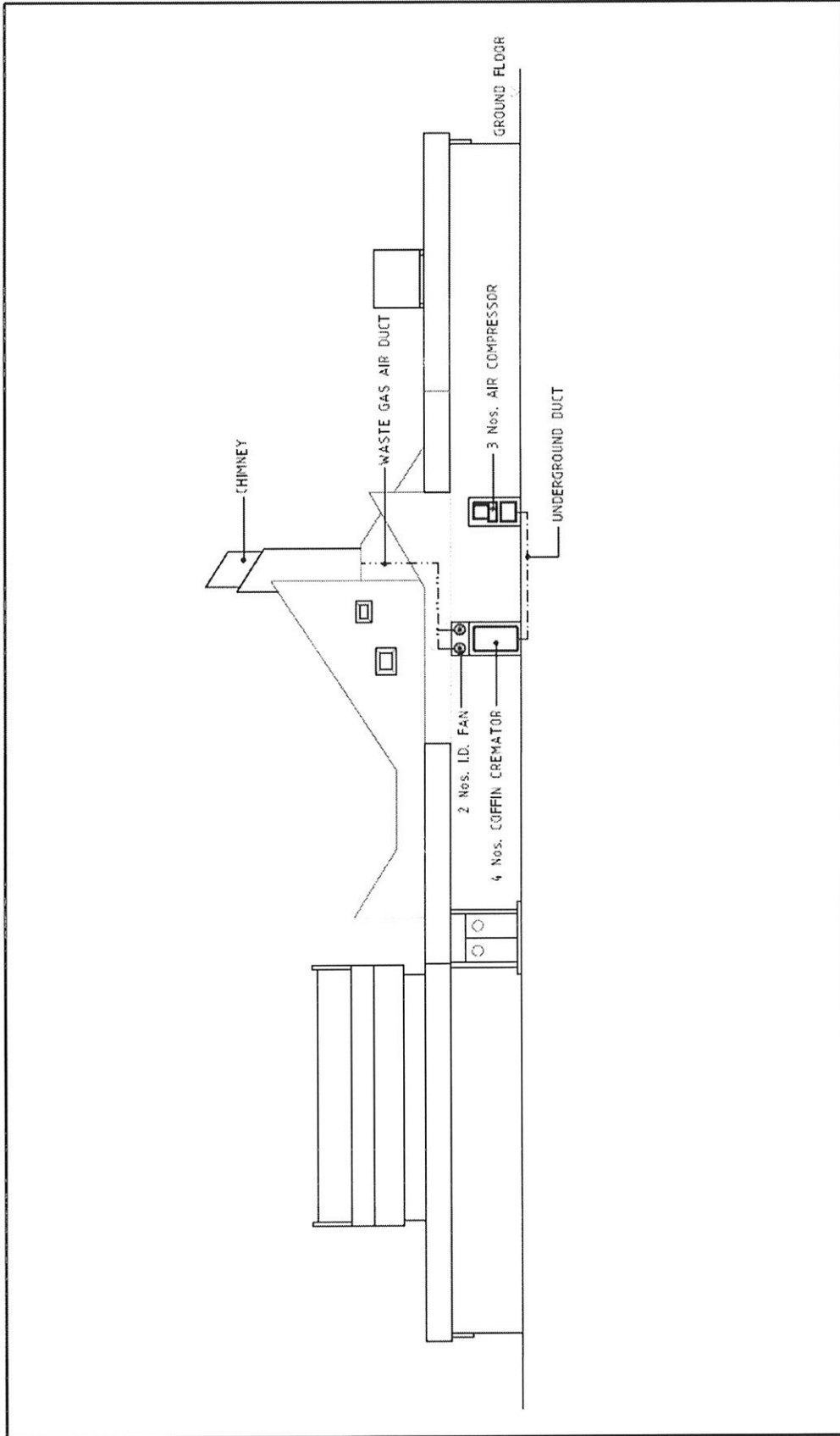
Information presented in this report is a reflection of the conditions at the premises at the time of survey. Prior to any demolition work commencing, the areas detailed in Section 4.2 should be further inspected by a registered asbestos consultant to determine the presence of any asbestos containing material.


Appendix 1

General Layout



		HYDER CONSULTING LTD 127 Avenue Road #04-01/02/03 Singapore 409311 Tel: 65 6334 8888 Fax: 65 6334 8889	
PROJECT PROVISION OF CREMATORIUMS AT WO HOP SHEK CREMATORIUM		DRAWING NO. AIR/AAP-1	
DATE 17/03/2006		SCALE AS SHOWN	
DRAWN BY J. LEUNG		CHECKED BY J. LEUNG	
APPROVED BY T. KWAN		DATE 17/03/2006	
PROJECT NO. 127/03/2006		DRAWING NO. AIR/AAP-1	
SHEET NO. 1 OF 1		TOTAL SHEETS 1	
PROJECT TITLE PROVISION OF CREMATORIUMS AT WO HOP SHEK CREMATORIUM		DRAWING TITLE SITE LOCATION PLAN	
PROJECT LOCATION WO HOP SHEK CREMATORIUM		PROJECT NO. 127/03/2006	
PROJECT NO. 127/03/2006		DRAWING NO. AIR/AAP-1	
SHEET NO. 1 OF 1		TOTAL SHEETS 1	



		Project No. 126012 126012 126012 126012	
PROVISION OF CREMATORS AT WO HOP SHEK CREMATORIUM		AIR/AAP-2	
ELEVATION AT COFFIN CREMATORIUM			
1. LEUNG 2. KWAN 3. LEUNG 4. LEUNG 5. LEUNG 6. LEUNG 7. LEUNG 8. LEUNG 9. LEUNG 10. LEUNG	1. LEUNG 2. LEUNG 3. LEUNG 4. LEUNG 5. LEUNG 6. LEUNG 7. LEUNG 8. LEUNG 9. LEUNG 10. LEUNG	1. LEUNG 2. LEUNG 3. LEUNG 4. LEUNG 5. LEUNG 6. LEUNG 7. LEUNG 8. LEUNG 9. LEUNG 10. LEUNG	1. LEUNG 2. LEUNG 3. LEUNG 4. LEUNG 5. LEUNG 6. LEUNG 7. LEUNG 8. LEUNG 9. LEUNG 10. LEUNG

Appendix 2

Manufacturer Correspondence & Material Safety Data Sheets

From: **Error! Hyperlink reference not valid.** Sent: Fri 15/09/2006 17:09
To: **Error! Hyperlink reference not valid.**
Cc:
Subject: RE: Refractory
Attachments:

Yes, we can confirm the Durital E90 and Resitecgt 190K are asbestos free.

Best Regards

Eric

"James Leung"
<James@desert.com.au>

To <eric.wang@rhi-ag.com>

09/15/2006 04:11 PM

cc

Subject RE: Refractory

Eric,

Can you please confirm they are asbestos free.

--

Best Regards

James Leung

Desert HK

Blue Beluga Limited (Distributors)

Room 1006, 10/F., World Wide House,

19 Des Voeux Road, Central,

Hong Kong

Tel (852) 2169 6349

Fax (852) 2169 6300

www.desert.com.au

nothing conserves water like the desert™

This email and any attachments thereto may contain private, confidential, and privileged material for the sole use of the intended recipient. Any review, copying, or distribution of this email (or any attachments thereto) by others is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and permanently delete the original and any copies of this email and any attachments thereto.

From: eric.wang@rhi-ag.com [mailto:eric.wang@rhi-ag.com]

Sent: Fri 15/09/2006 15:22

To: James Leung

Subject: RE: Refractory

Dear James

We have only two products (Durital E90 & Resitec 190K) manufactured in China. We can't find the others which correspond with our products. Attached the two data sheets for your information.

Best Regards

Eric

"James Leung" <James@desert.com.au>

09/14/2006 05:45 PM

To <eric.wang@rhi-ag.com>

cc

Subject RE: Refractory

Dear Eric,

Good speaking with you.

As mentioned, we have come across some products , which we believe are manufactured by the RHI. These include:

1. Durital E90
2. Grade 23HD (Insulation Bricks)
3. 1700 C Castable (Door Bricks)
4. Maksjcart 2 Mortar (1400 Grade)
5. RESITECT 190K E130-0.3 (Mortar)

Due to a tight schedule it would be much appreciated if you could confirm/provide the following details about these items at your earliest convenience:

- If they are manufactured by RHI.
- Do they contain asbestos.
- Material Safety Data Sheets.

--

Best Regards

James Leung

Desert HK

Blue Beluga Limited (Distributors)

Room 1006, 10/F., World Wide House,

19 Des Voeux Road, Central,

Hong Kong

Tel (852) 2169 6349

Fax (852) 2169 6300

www.desert.com.au

nothing conserves water like the desert™

This email and any attachments thereto may contain private, confidential, and privileged material for the sole use of the intended recipient. Any review, copying, or distribution of this email (or any attachments thereto) by others is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and permanently delete the original and any copies of this email and any attachments thereto.

From: eric.wang@rhi-ag.com [mailto:eric.wang@rhi-ag.com]

Sent: Thu 14/09/2006 15:48

To: James Leung

Subject: Refractory

Dear James

My name is Eric Wang the sales manager of RHI Trading Company in Dalian China. I have received your email regarding the crematorium refractory. According to your demand, we can supply such refractory material from our plant in Dalian China. Tried to called you by your office number this afternoon, but couldn't reach you.

You can contact me at your convenience by the following mobile no.

Cell phone no.: 13801997592

Best Regards

RESITECT 190K E13 0-0,3

Classification Refractory wet mortar

VDEh-Code 842005802798

Grain size 0-0,3 mm

Main Raw Material Component Corundum, chrome oxyde

Type of Bond Chemical

Storage limit 6 months

Packing Plastic drum

Working Method Mortaring

Main Application Sliding gates, incineration-chemicalenergy-
industry

Working Instruction Code NUM011

Amount of material 2.65 t/m³

Chemical composition

Al₂O₃ SiO₂ Fe₂O₃ MgO TiO₂ Cr₂O₃

88.0 % 1.6 % 0.3 % 0.2 % 0.1 % 4.5 %

P₂O₅

5.0 %

Note: Determination on ignited substance (1050°C) acc. to DIN 51001

Temp. limit for application 1,800 °C -

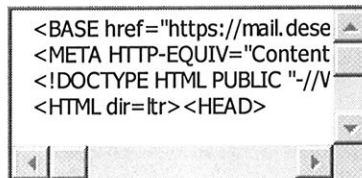
Revision: 7

Date of issue: 02.08.2005

The indicated values are standard values, i.e. values taken over a longer representative period of time according to either valid test standards or internal test methods. They may not be regarded as committed specifications and therefore not as guaranteed properties. We reserve the right to further technical developments and new editions of technical product information.

From: **Error! Hyperlink reference not valid.** Sent: Thu 21/09/2006 4:57
To: **Error! Hyperlink reference not valid.**
Cc:
Subject: RE: Shiral 60 AD Refractory Brick

Attachments:



Dear Mr Leung,

I can confirm that SHIRAL 60 AD is manufactured by Shinagawa Refractories Australasia in our factory in Australia and is an asbestos free product. Asbestos is not used in any of the materials manufactured by our company.

If I can be of any further assistance to you, please do not hesitate to contact me.

Regards

James Tyler
Sales & Marketing Manager
Shinagawa Refractories Australasia Pty Ltd
p: 02 4222 3881
m: 0419 894 304
e: james@shinagawa.biz
w: www.shinagawa.biz (Australia)
www.shinagawa.co.jp/English/ (Japan)

=====
This message and any attachments are confidential and are intended for the personal attention of the addressee(s). If as a reader of this message you are not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this message in error, please notify the sender and delete/destroy the original message and any copies. Thank you.

From: **Error! Hyperlink reference not valid.** Sent: Thu 14/09/2006 22:35

To: **Error! Hyperlink reference not valid.**

Cc:

Subject: RE: Confirmation of Refractory Manufactured by Thermal Ceramics Ltd.

Attachments:

Dear Mr Leung

I can confirm that both Triset Mortar and Blackite Air Setting Mortar are manufactured by Thermal Ceramics.

Neither product contains any asbestos materials.

Regards

Harold Hickling

From: James Leung [mailto:James@desert.com.au]
Sent: 14 September 2006 13:55
To: Harold Hickling
Subject: Confirmation of Refractory Manufactured by Thermal Ceramics Ltd.

Dear Mr. Hickling,

Good speaking with you.

As mentioned, we have come across some products , which we believe are manufactured by Thermal Ceramics. These include:

1. Triset Mortar
2. Blakite Air Setting Mortar

Due to a tight schedule it would be much appreciated if you could confirm the following details about these items in a separate email:

- If they are manufactured by Thermal Ceramics.
- Do they contain asbestos.

--

Best Regards

James Leung

Desert HK

Blue Beluga Limited (Distributors)

Room 1006, 10/F., World Wide House,

19 Des Voeux Road, Central,

Hong Kong

Tel (852) 2169 6349

Fax (852) 2169 6300

www.desert.com.au

nothing conserves water like the desert™

This email and any attachments thereto may contain private, confidential, and privileged material for the sole use of the intended recipient. Any review, copying, or distribution of this email (or any attachments thereto) by others is strictly prohibited. If you are not the intended recipient, please contact the sender immediately and permanently delete the original and any copies of this email and any attachments thereto.

This email has been scanned by the MessageLabs Email Security System.
For more information please visit <http://www.messagelabs.com/email>

Bissett, Ron <Ron.Bissett@boral.com.au>

Mailed-By: boral.com.au

To: b.beluga@gmail.com

Date: 19-Sep-2006 13:00

Subject: Boral Plasterboard

Reply | Reply to all | Forward | Print | Add sender to Contacts list | Delete this message |
Report phishing | Show original | Message text garbled?

Boral Plasterboard is a gypsum based product Manufactured by Boral used for the internal linings of ceilings and walls for domestic and commercial use which does **not** use asbestos in it's manufacture. Please find MSDS attached
<<INFILL_PANELS_UNISPAN_CEILI.pdf>>

Ron Bissett

Boral Plasterboard

PH 0401 895 475

This email and any files transmitted with it are confidential to the intended recipient and may be privileged. If you have received this email inadvertently or you are not the intended recipient, you may not disseminate, distribute, copy or in any way rely on it. Further, you should notify the sender immediately and delete the email from your computer. Whilst we have taken precautions to alert us to the presence of computer viruses, we cannot guarantee that this email and any files transmitted with it are free from such viruses.

Message Details

Sep 25 2006 [Inquiry about Ceramic Fiber Products](#) (Me)

Sep 25 2006 [Re:Inquiry about Ceramic Fiber Prod...](#) (Mr Xinglu Jiang)

☐	Subject:	Re:Inquiry about Ceramic Fiber Products
	From:	Mr Xinglu Jiang
	Date:	Mon, Sep 25 2006 19:31:14 -0700

Dear Mr. James Leung,

Thank you for your enquiry!

JM26 Bricks do not contain asbestos inside.

We have our factory to produce the insulating fire bricks and we have done the export of insulating products for eight years.

For the quotation of JM26 bricks, please kindly find as following:

1. Price:

US\$0.862/PC FOB Tianjin port, China.

2. Quotation Valid: within 30 days.

3. Payment terms: 30% by T/T in advance, balance after receipt of fax copy of B/L.

4. Shipment time: about 40 days after receipt of 30% remittance.

Best regards

Xinglu Jiang

Ore World Trade Co.,Ltd.In Tangshan.

Address:Jinrong B/D. No 116 Xinhua West Road,063000,Tangshan,Hebei,China.

Tel:86-315-232-3136

Fax:86-315-232-5379

Website: <http://www.oreworld.com>

Email: info@oreworld.com or info@oreworld.com.cn



SHINAGAWA
REFRACATORIES AUSTRALASIA PTY LTD

ABN 81 082 371 891
23 Glastonbury Avenue
Unanderra, NSW,
2526, Australia

FACSIMILE

Date: August 18, 2006

Number of Pages including cover sheet: 1

To:	Philip Shum	From:	James Tyler
Company:	MANDARIN COMPANY		Sales & Marketing Manager
Fax:	By email	Phone:	+61 2 4222 3881
Re:	Your ref e-34561/06	Fax:	+61 2 4221 1795
		e-mail:	james@shinagawa.biz

Dear Philip,

We have received your requested regarding the asbestos status of products supplied by Shinagawa to Mandarin on invoices OP/1047692 and OP/1047690. Please note, asbestos has not been used in any products manufactured in Australia for many years.

The materials in question (shown below) manufactured by Shinagawa Refractories Australasia are made without any asbestos in their makeup:

SHIRACRETE 80CR	SHIRALITE 140MW
SHIRAFLO SC60	SHIRAPLAS 55
SHIRACRETE 60	SILCAL HS MORTAR
SHIRABOND 50	HIALEX 90P

The following products are not made by Shinagawa, however we have been informed that they are not manufactured with asbestos:

JM26
Ceramics Blkt STD

I trust that this assists. Should you require MSDS please contact Peter Harris for assistance or alternatively, you can download MSDS from our web site, www.shinagawa.biz

Regards,

James Tyler
SHINAGAWA REFRACATORIES AUSTRALASIA PTY. LTD.



Flexitallic

FLEXITALLIC LIMITED

PO Box 3 Marsh Works Dewsbury Road Cleckheaton W.Yorks BD19 5BT England
Telephone (01274) 851273 Facsimile (01274) 881386 Web Site: www.flexitallic.com
VAT Reg. No. GB 628 8676 84



24th August 2006

Dear Philip

Re: CFP 1 & CFP 2

Please be advised that CFP 1 and CFP 2 are products that do not contain asbestos.

Yours sincerely

Hannah Blyth
Sales Co-ordinator

Registered office: P.O. Box 3 Marsh Works Dewsbury Road Cleckheaton, W. Yorks BD19 5BT England
Registered in England No. 3308289



A member of
The Flexitallic Group
QA18 Rev-0 Dec 03



Thermal Ceramics Asia Pte Ltd
28 Jalan Klang Barat
Kowloon House
Singapore 159382
Tel : +65 6733 6068
Fax : +85 6738 3498
E-mail : thermalceramics@tcasia.com.sg
Website : www.thermalceramics.com

18 Aug 06

Mandarin Company
Rm 801,8/F, Technology Plaza
29-35 Sha Tsui Road, Tsuen Wan
N.T. Hong Kong
Attn : Mr Philip Shum

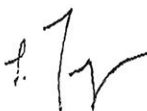
Dear Sir

RE : SUPERWOOL 607 PRODUCT

This is to certify that Thermal Ceramics' product - Superwool 607 is asbestos free.

Thank you.

Yours faithfully,
THERMAL CERAMICS ASIA PTE LTD

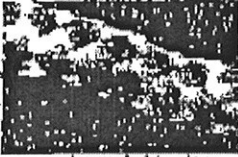



MIKE TAN
Sales Manager - S.E. Asia



Table A2B.11

Product Name: Flexitallic CFP1

PRODUCT TYPE	QTY	UNIT	DESCRIPTION	PRODUCT NAME
GLASS PACKINGS  for metal processing, boiler doors, furnace doors, coal and wood burning stove door seals	800 (1112)	5-11	high density packing made from continuous filament 'E' glass yarns	FLEXITALLIC GP1
	600 (1112)	5-11	medium density packing made from knitted 'E' glass yarns	FLEXITALLIC GP2
	500 (1112)	5-11	low density packing from 'E' glass yarns	FLEXITALLIC GP123
	600 (1112)	5-11	very low density packing made by knitting air textured continuous filament 'E' glass yarn (only available in round section)	FLEXITALLIC GP250
CERAMIC PACKINGS  for high temperature crucibles and furnace door seals	1250 (2388)	3-9	packing made from a ceramic fibre yarn reinforced with inconel wire	FLEXITALLIC CFP1
	1250 (2388)	3-9	Packing made from a ceramic yarn reinforced with glass carrier thread	FLEXITALLIC CFP2

Appendix 3

Photographic Records



Photo A3-1 Concrete tiles, Roof of coffin crematorium building

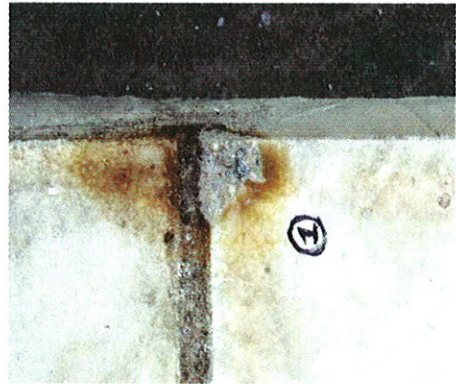


Photo A3-2 Concrete tiles, Roof of coffin crematorium building (Sample No. B/261/06/1)



Photo A3-3 Concrete tiles, Roof of coffin crematorium building (Sample No. B/261/06/4)



Photo A3-4 Concrete tiles, Roof of coffin crematorium building (Sample No. B/261/06/7)



Photo A3-5 Concrete tiles, Roof of coffin crematorium building (Sample No. B/261/06/13)

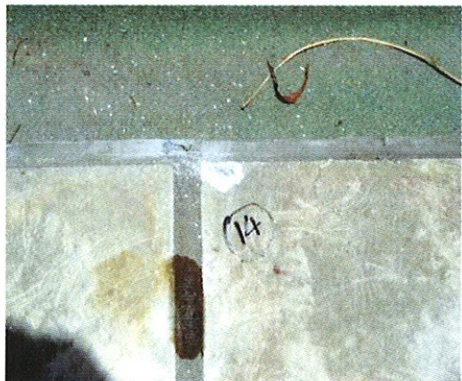


Photo A3-6 Concrete tiles, Roof of coffin crematorium building (Sample No. B/261/06/14)

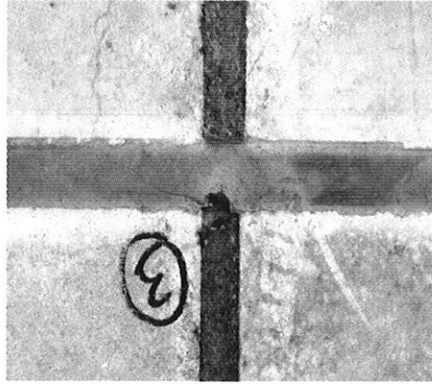


Photo A3-7 Expansion joints, Roof of coffin crematorium building (Sample No.B/261/06/3)

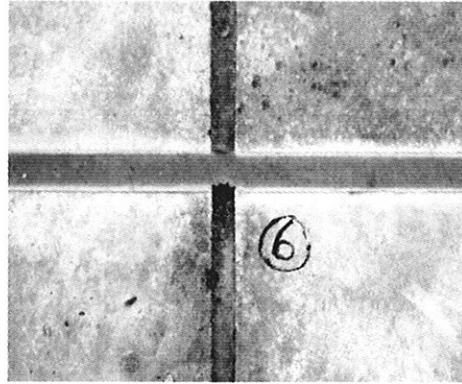


Photo A3-8 Expansion joints, Roof of coffin crematorium building (Sample No.B/261/06/6)

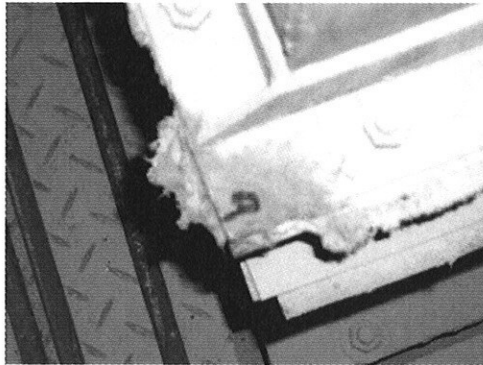


Photo A3-9 Fibrous cloth, Between flanges of the ducting sections located next to the air blowers (Sample No. B/261/06/9)

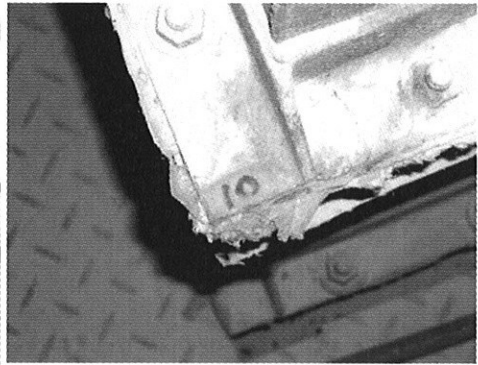


Photo A3-10 Fibrous cloth, Between flanges of the ducting sections located next to the air blowers (Sample No. B/261/06/10)

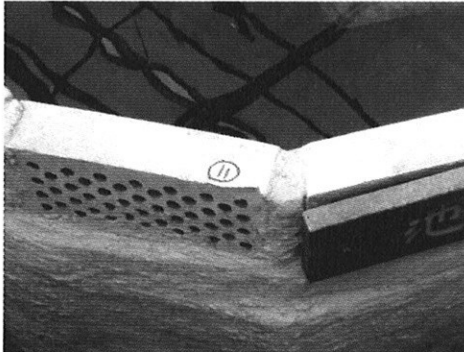


Photo A3-11 Sound proofing bricks, Fish Pond (Sample No. B/261/06/11)

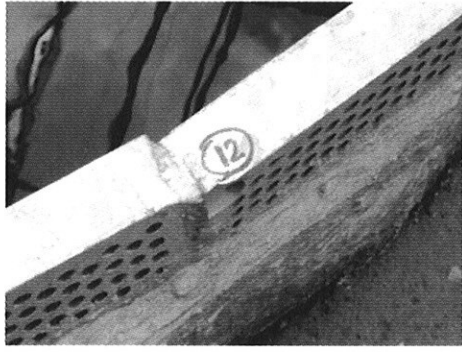


Photo A3-12 Sound proofing bricks, Fish Pond (Sample No. B/261/06/12)



Photo A3-13 Flooring material, Cremation rooms, Committal Room, Plant Room and Chinese Hall



Photo A3-14 Rockwool, Storage Room



Photo A3-15 Rockwool, Storage Room



Photo A3-16 Superwool & Carbowool , Storage Room



Photo A3-17 Glass Fibre, Storage Room



Photo A3-18 Shiral 60AD - Grey fire bricks, Cremators Room and Storage Room

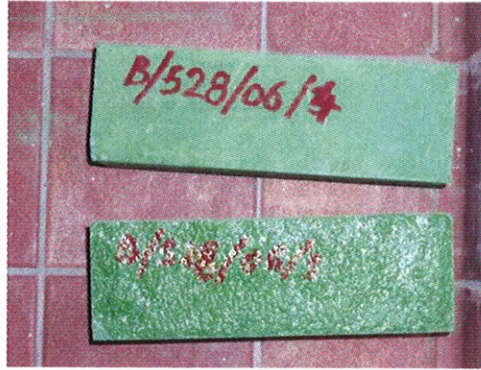


Photo A3-19 Green fire bricks, Cremators Room and Storage Room

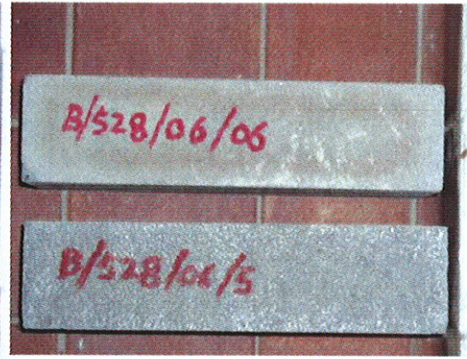


Photo A3-20 Shiraflo SC60 – dark grey fire bricks, Cremators Room and Storage Room

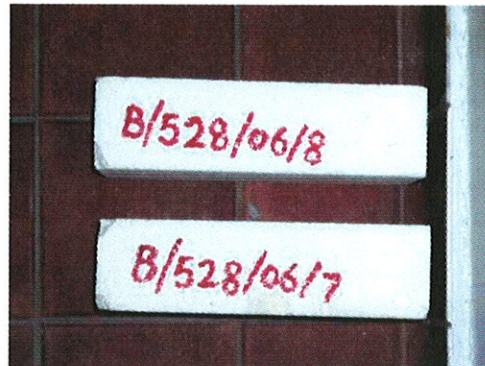


Photo A3-21 JM Insulating Firebricks - Cremators Room and Storage Room

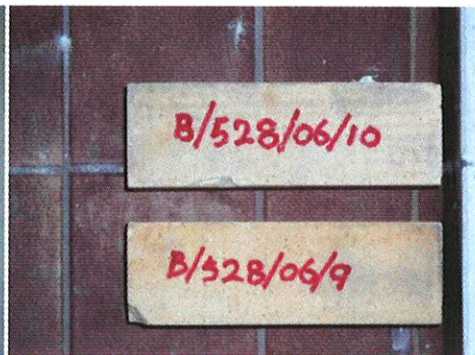


Photo A3-22 JM Insulating Firebricks - Yellow fire bricks - Cremators Room and Storage Room



Photo A3-23 Shiral 60 AD - dark yellow fire bricks - Cremators Room and Storage Room



Photo A3-24 Shiral 60 AD - White dotted fire bricks - Cremators Room and Storage Room

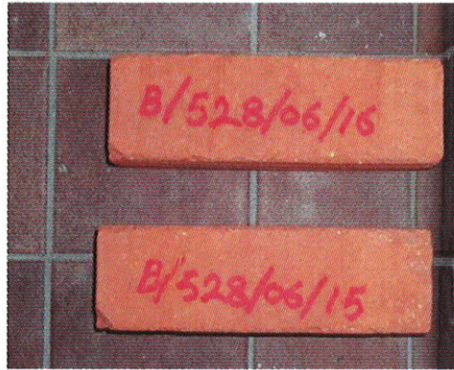


Photo A3-25 Orange fire bricks - Cremators Room and Storage Room



Photo A3-26 Beige fire bricks - Storage Room



Photo A3-27 Shiraflo SC60 - Grey thin bricks - Cremators Room and Storage Room

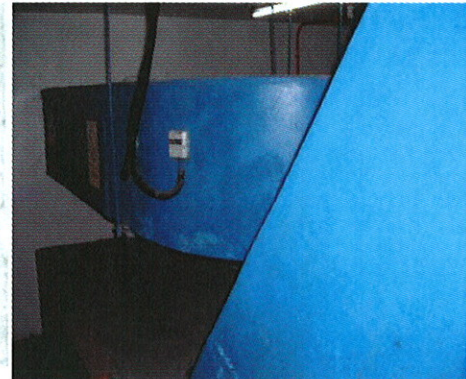


Photo A3-28 Coating, Ducting in Plant Room



Photo A3-29 Insulating material for air conditioning system, Plant Room



Photo A3-30 Flexible joint, I.D. Fan



Photo A3-31 Flexible joint, Cremator Room

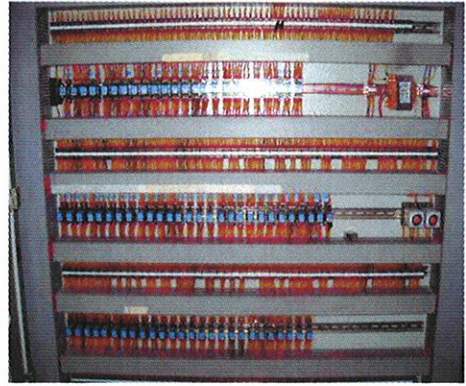


Photo A3-32 Switch Box, Switch Room in Cremator Room

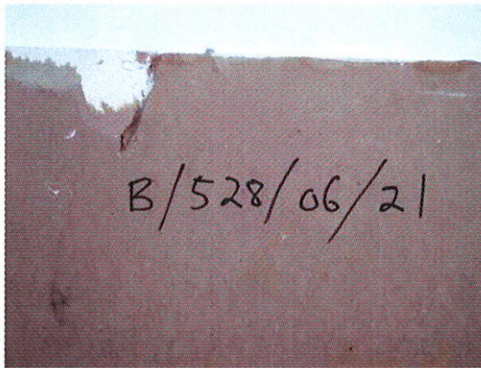


Photo A3-33 Boral Plaster board, Storage Room

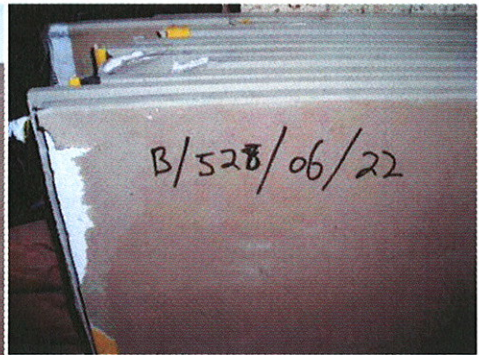


Photo A3-34 Boral Plaster board, Storage Room

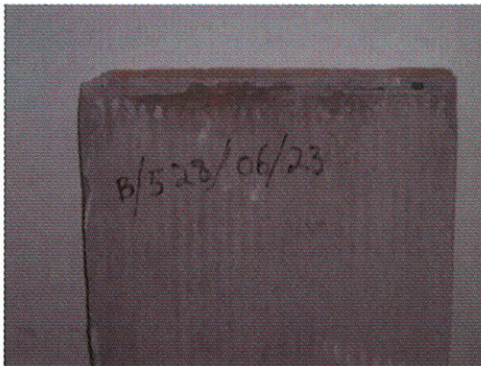


Photo A3-35 Grey panel board, Storage Room

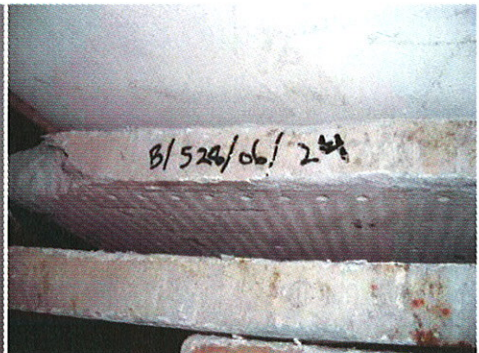


Photo A3-36 Grey panel board, Storage Room

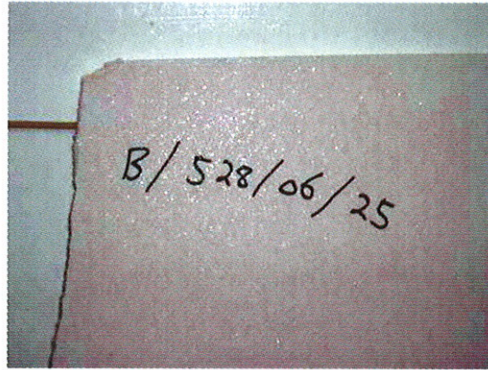


Photo A3-37 White cement board , Storage Room

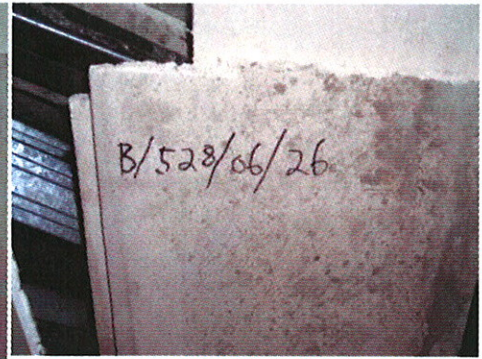


Photo A3-38 White cement board , Storage Room

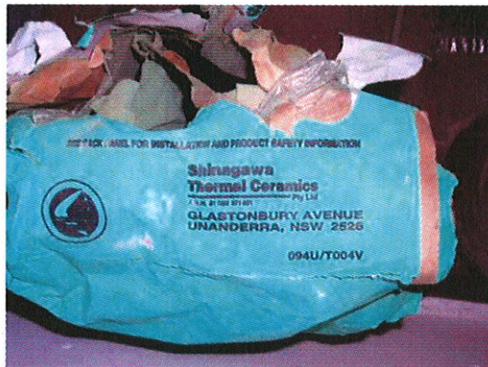


Photo A3-39 Shiracrete 80 CR, Storage Room



Photo A3-40 Shiracrete 80 CR, Storage Room



Photo A3-41 FBF Refractory Material, Storage Room

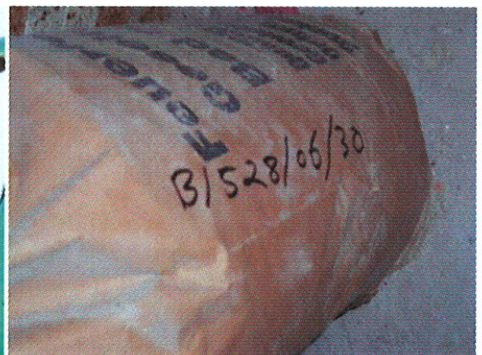


Photo A3-42 FBF Refractory Material, Storage Room

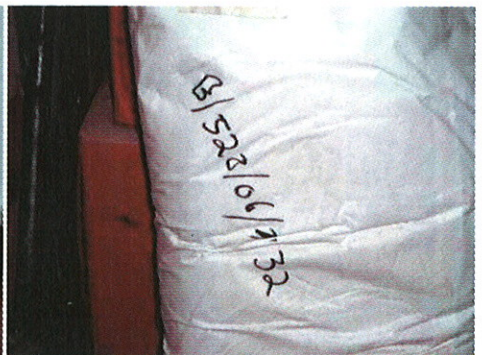
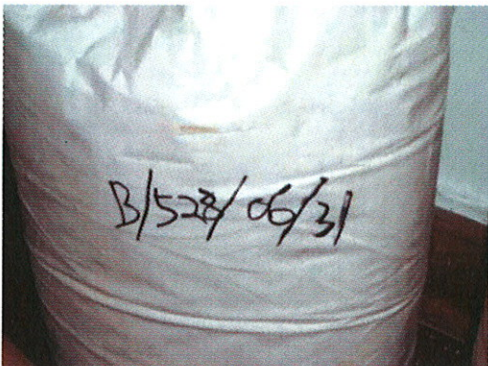


Photo A3-43 White bag, Storage Room

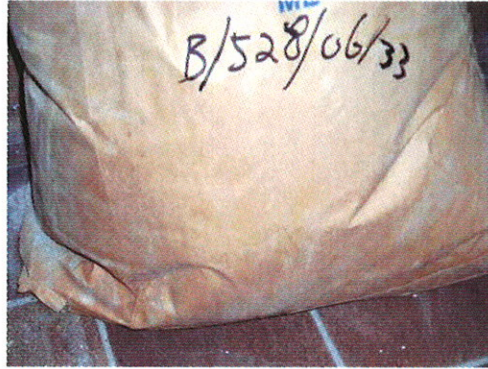


Photo A3-44 White bag, Storage Room



Photo A3-45 Brown bag, Storage Room

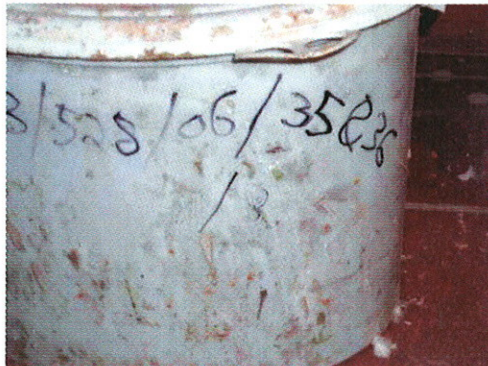


Photo A3-46 Brown bag, Storage Room

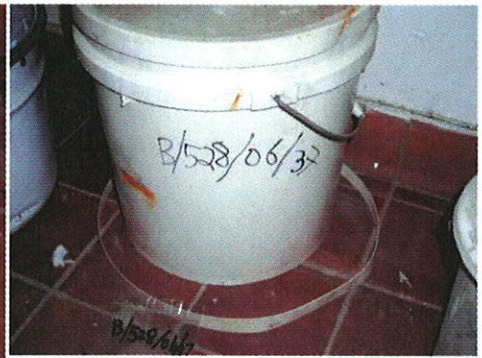


Photo A3-47 Resitect 190 K E13, Storage Room

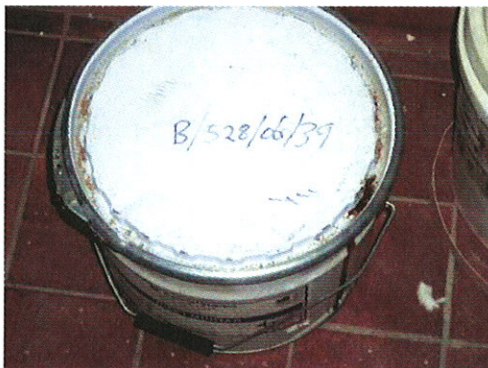


Photo A3-48 Silcal HS Mortar, Storage Room

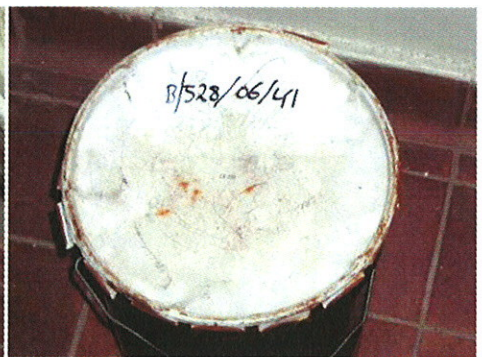


Photo A3-49 Triset Mortar, Storage Room

Photo A3-50 Blakite Air Setting Mortar, Storage Room



Photo A3-51 Nylon bag, Storage Room

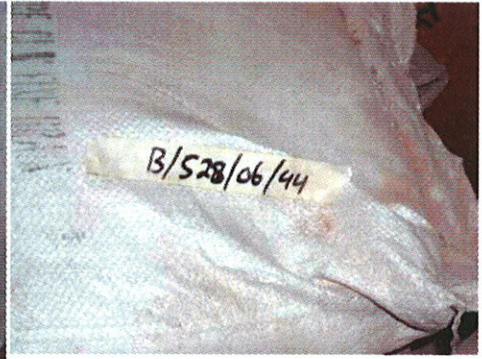


Photo A3-52 Nylon bag, Storage Room



Photo A3-53 Coffin Cremator Room

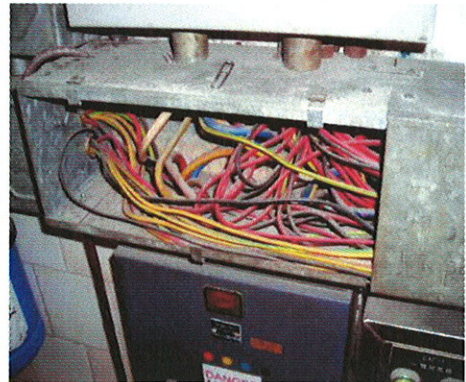


Photo A3-54 Coffin Cremator Room



Photo A3-55 Fire Pump Building



Photo A3-56 Refuse Room



Photo A3-57 Insulation cloth/rope, Handle bar in Skeletal Room.



Photo A3-58 Bitumen Roof Felt, Roof of skeletal cremator building



Photo A3-59 Switch Room in Skeletal Cremator Building

Appendix 4

Sampling Location Plan

Appendix 5

Laboratory Report



東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

8/F., Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fofan, Hong Kong
Tel : 2695 8319 E-mail : etl@ets-testconsult.com
Fax : 2695 3944 Web site : www.ets-testconsult.com



TEST REPORT

Form F/AB/R/01/Issue 7 (1/1) (08/03)

REPORT NO. BUA60543

IDENTIFICATION AND DETERMINATION OF ASBESTOS CONTAINING MATERIAL

Project : Wo Hop Shek Crematorium (B/528/06) Report Date : 25 September 2006
Client : Blue Beluga Limited Test Method : TPE/002/A & TPE/004/A : Clause 5.1
Address : Room 1006 World-Wide House 19 Des Voeux Road C Central Hong Kong Page : 1 of 2

The sample(s) referenced as shown below were taken from site and examined to determine the presence of asbestos fibres by following methods:

1. Sampling using the method set out in the In-house method TPE/001/A - Sampling of asbestos in bulk
2. Fibres in the samples were identified using a polarised light and dispersion staining technique as described in the In-house method TPE/002/A - Identification of asbestos bulk samples.
3. Determination of asbestos-containing material (ACM) by visual estimation using the method set out in the In-house method TPE/004/A - Determination of asbestos-containing material by visual estimation, gravimetric reduction & point-counting method.

RESULTS

Date of sampling by ETS-Testconsult technician : 14 September 2006
The sampling was carried out in the company of : Mr James Leung
Date of identification : 21 September 2006

Sample Reference Number	Sample Location	Results	Conclusion (ACM/Non-ACM/Non-Determined)
B/528/06/3	Green brick	Asbestos not detected	Non-ACM
B/528/06/4	Green brick	Asbestos not detected	Non-ACM
B/528/06/15	Orange brick	Asbestos not detected	Non-ACM
B/528/06/16	Orange brick	Asbestos not detected	Non-ACM
B/528/06/17	Beige brick	Asbestos not detected	Non-ACM
B/528/06/18	Beige brick	Asbestos not detected	Non-ACM
B/528/06/23	Grey panel board	Asbestos not detected	Non-ACM
B/528/06/24	Grey panel board	Asbestos not detected	Non-ACM
B/528/06/25	White cement board	Asbestos not detected	Non-ACM
B/528/06/26	White cement board	Asbestos not detected	Non-ACM
B/528/06/29	FBF refractory material	Asbestos not detected	Non-ACM
B/528/06/30	FBF refractory material	Asbestos not detected	Non-ACM

Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this report were determined by this laboratory in accordance with its terms of accreditation. This report shall not be reproduced unless with prior written approval from this laboratory.



東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong
Tel : 2695 8318 E-mail : etl@ets-testconsult.com
Fax : 2696 3944 Web site : www.ets-testconsult.com



TEST REPORT

Form F/AB/R/01/Issue 7 (1/1) [08/03]

Our report no. BUA60543

Page 2 of 2

Sample Reference Number	Sample Location	Results	Conclusion (ACM/Non-ACM/Non-Determined)
B/528/06/31	Refractory material in white paper bag	Asbestos not detected	Non-ACM
B/528/06/32	Refractory material in white paper bag	Asbestos not detected	Non-ACM
B/528/06/33	Refractory material in brown paper bag (MD)	Asbestos not detected	Non-ACM
B/528/06/34	Refractory material in brown paper bag (MD)	Asbestos not detected	Non-ACM
B/528/06/43	Refractory material in white nylon bag	Asbestos not detected	Non-ACM
B/528/06/44	Refractory material in white nylon bag	Asbestos not detected	Non-ACM

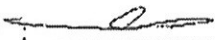
Remarks:

'ACM' refers to a sample that is found to be an asbestos containing material as defined in the Air Pollution Control Ordinance.


'Non-Determined' refers to a sample that should be further analysed by Gravimetric Reduction & Point Counting method for the determination of asbestos containing material.

'Non-ACM' refers to a sample which asbestos cannot be detected during the identification.

REPORTED BY :


LEE, Siu Fung Clifford
Supervisor

APPROVED BY :


FAN, Fook Shing Dennis
Technical Director


DF/CL/so

Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this report were determined by this laboratory in accordance with its terms of accreditation. This report shall not be reproduced unless with prior written approval from this laboratory.



東業德勤測試顧問有限公司
ETS-TESTCONSULT LIMITED

8/F, Block B, Veristrong Industrial Centre, 34-36 Au Pui Wan Street, Fotan, Hong Kong
Tel : 2695 8318 E-mail : etl@ets-testconsult.com
Fax : 2696 3944 Web site : www.ets-testconsult.com

**TEST REPORT**

Form F/AB/R/01/Issue 7 (1/1) (08/03)

REPORT NO. BUA60259/1**IDENTIFICATION AND DETERMINATION OF ASBESTOS CONTAINING MATERIAL**

Project : Wo Hop Shek Crematorium (B/261/06) Report Date : 10 May 2006
Client : Blue Beluga Limited Test Method : TPE/002/A & TPE/004/A
Address : Room 1006 World-Wide Hosue 19 Des Voeux Road C Central Hong Kong Sheet 1 of 2

The sample(s) referenced as shown below were taken from site and examined to determine the presence of asbestos fibres by following methods:

1. Sampling using the method set out in the In-house method TPE/001/A - Sampling of asbestos in bulk
2. Fibres in the samples were identified using a polarised light and dispersion staining technique as described in the In-house method TPE/002/A - Identification of asbestos bulk samples.
3. Determination of asbestos-containing material (ACM) by visual estimation using the method set out in the In-house method TPE/004/A - Determination of asbestos-containing material by visual estimation, gravimetric reduction & point-counting method.

RESULTS

Date of sampling by ETS-Testconsult technician : 9 May 2006

The sampling was carried out in the company of : Mr James Leung

Date of identification : 9 May 2006

Sample Reference Number	Sample Location	Results	Conclusion (ACM/Non-ACM/Non-Determined)
B/261/06/1	Roof tile of crematorium main building	Asbestos not detected	Non-ACM
B/261/06/3	Expansion joint of crematorium main building	Asbestos not detected	Non-ACM
B/261/06/4	Roof tile of crematorium main building	Asbestos not detected	Non-ACM
B/261/06/6	Expansion joint of crematorium main building	Asbestos not detected	Non-ACM
B/261/06/7	Roof tile of crematorium main building	Asbestos not detected	Non-ACM
B/261/06/9	Cloth gasket at flange of air blower no. 2 behind cremator	Asbestos not detected	Non-ACM

Hong Kong Accreditation Service (HKAS) has accredited this laboratory under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) for specific laboratory activities as listed in the HOKLAS Directory of Accredited Laboratories. The results shown in this report were determined by this laboratory in accordance with its terms of accreditation. This report shall not be reproduced unless with prior written approval from this laboratory.
19-JUN-2006 17:29 852 25184744 98% P.02

