



September 25, 2009

Ms. Velma Rogers  
Business Manager  
KBR Government and Infrastructure  
Kellogg, Brown & Root, Inc.  
5050 Wright Road, Bldg. C  
Houston, Texas 77032

**Subject: ERC Project No. 0907202  
Limited Asbestos Survey  
Building A  
9910 Kash Road  
Stafford, Texas**

Dear Ms. Rogers:

As per your request, ERC Environmental Consultants Inc., has performed a Limited Asbestos Survey at Building A, 9910 Kash Road located in Stafford, Texas. The results of the investigation, performed on **September 1<sup>st</sup> and 2<sup>nd</sup>, 2009**, can be found in the enclosed report.

**Asbestos was detected above the regulatory level of 1% in some of the samples collected at the subject property.**

Please feel free to contact us at your earliest convenience should you have any questions or concerns.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "K m Azarpour". The signature is written in a cursive style with a large loop at the top.

Kommy M. Azarpour, P.E.  
Principal - ERC



**BUILDING MATERIAL SURVEY  
For Asbestos Containing Building Materials**

***BUILDING A  
9910 KASH ROAD  
STAFFORD, TEXAS***

**ERC PROJECT NO. 0907202**

***PREPARED FOR:***

**KELLOGG, BROWN & ROOT, INC.  
5050 WRIGHT ROAD, BLDG. C  
HOUSTON, TEXAS 77032**

**PREPARED BY:**

**ERC Environmental Consultants Inc.  
10801 Hammerly Boulevard, Suite 100  
Houston, Texas 77043**

**Tel: (713) 290-9444 Fax: (713) 290-9441**

**September 2009**

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# SECTION I

**SECTION I – PROJECT DIRECTORY**

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**CONTACT:** *Ms. Velma Rogers  
Business Manager*

**MAILING ADDRESS:** 5050 Wright Road, Bldg. C  
Houston, Texas 77032

**PROJECT:** 0907202  
Building A  
9910 Kash Road  
Stafford, Texas

**CONSULTANT:**

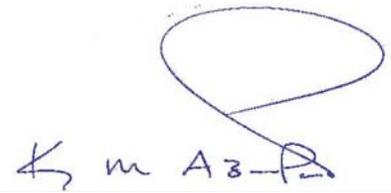
**ERC ENVIRONMENTAL CONSULTANTS INC.**

**Contact:** Ronnie J. Morgan  
Project Manger  
DSHS License # 20-5644



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Kommy M. Azarpour, P.E.  
Principal  
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# SECTION II

## SECTION II –EXECUTIVE SUMMARY

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### 1.0 INTRODUCTION

On September 1<sup>st</sup> and 2<sup>nd</sup>, 2009, ERC representatives conducted a Limited Building Material Survey for the presence of Asbestos-Containing Building Materials (ACBM) at **Building A** located at **9910 Kash Rd. in Stafford, Texas.**

A total of **thirty-five (35)** bulk samples of suspect asbestos materials were collected, in the concerned areas within the subject property and submitted for analysis for asbestos content. Any materials found to contain greater than one percent (>1%) asbestos by weight are considered to be Asbestos Containing Building Materials (ACBM). This survey considered all accessible areas of the building. However, no destructive procedures were employed during the survey (i.e. no column or ceiling penetrations were made to view the ceiling pan or pipe chases). Therefore, any materials that have not been specifically evaluated by bulk sampling in this survey must be tested prior to disturbance of these materials.

### 2.0 FINDINGS

**Eleven (11)** of the **thirty-five (35)** samples collected (generally a minimum of three (3) samples per material was collected), tested positive for asbestos content of greater than one percent (>1%).

*These materials tested **positive** for asbestos content:*

- Sheetrock (white) with texture (white) and joint compound (white)

*These materials tested **negative** for asbestos content:*

- Cork board (brown) and mastic (brown) and ceiling tile (white)
- Cove base (black) and mastic (tan)
- 12"x12" Floor tile (beige with white pattern) and mastic (yellow)
- Roof flashing (black)
- Roof core (black) and insulation (brown)
- Roof Mastic (black)

# SECTION III

## SECTION III – REPORT FOR ACBM

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### 1.0 BUILDING DESCRIPTION

The subject property Building A is located at 9910 Kash Rd. in Stafford, Texas. The property consists of a single-story office building that is approximately 13, 550 sq. ft. The exterior walls are brick with a concrete foundation. The roof is built-up and covered with rocks and tar. Interior flooring consists of carpet, floor tile, and sheet flooring. The ceiling is a mixture of suspended and sheetrock. Walls are sheetrock throughout the facility. Above the suspended ceiling is rollout fiberglass insulation and a bare metal deck.

### 2.0 BUILDING MATERIAL SURVEY FOR ACM

#### 2.1 Survey Method

Representative bulk material samples were collected from the suspect asbestos-containing surfacing materials, and miscellaneous materials from each of the assigned homogeneous areas. All samples were collected at random locations throughout the subject project. Samples were placed in seal-able heavy-duty plastic bags and numbered to identify the samples. The samples were then submitted to a certified laboratory for analysis of asbestos content by Polarized Light Microscopy (PLM).

#### 2.2 Limitations

Our survey was limited in scope to the extent involving, the following:

- This survey identified only easily accessible asbestos-containing building materials within the subject property and ERC's scope of work;
- This survey was non-destructive in nature and bulk samples were collected in discrete locations when possible;
- *Surfacing, Thermal Insulation and Miscellaneous* materials were required to be sampled in bulk form for ACBM; and
- No materials were presumed to be asbestos-containing materials.

Every attempt was made to identify and sample suspect ACBM with ERC's scope of services. It is possible that inaccessible or unidentified materials may be exposed during the proposed renovation or abatement activities. Such materials should then be sampled and evaluated at that point of time. Our Conclusions and Recommendations are made based on our observations and results of the laboratory analysis performed. This report is prepared for the sole benefit of **Kellogg, Brown, & Root, Inc.** and may not be relied upon by any other person or entity without the written authorization of ERC.

## SECTION III – REPORT FOR ACBM (CON'T)

### 3.0 ACBM HOMOGENEOUS MATERIAL LISTING

Homogeneous Areas (HA) are defined as surfacing material (S), thermal system insulation (TSI) and miscellaneous materials (M) that are uniform in texture, color and appear identical in every other respect. It is recommended by EPA and TDSHS that at minimum, three (3) random bulk material samples be collected from each material area. Each homogeneous material was categorized as friable or non-friable. The “Identified Homogeneous Areas” table lists the homogeneous areas identified at *Building A* located at *9910 Kash Rd. in Stafford, Texas*.

**Identified Homogeneous Areas**

Area No.	Homogeneous Material	General Location	Friability
*M1	Sheetrock (white) with texture (white) and joint compound (white)	Throughout building	NF
M2	Cork board (brown) and mastic (brown) and ceiling tile (white)	North Building Office 112	F
*M3	Sheetrock (white) with texture (white) and joint compound (white)	Throughout building	NF
M4	Cove base (black) and mastic (tan)	Throughout building	NF
M5	12"x12" Floor tile (beige with white pattern) and mastic (yellow)	Closets near Reception Area	NF
M6	Roof flashing (black)	South roof	NF
M7	Roof core (black) and insulation (brown)	South roof	NF
M8	Mastic (black)	Air duct penetration South roof	NF
M9	Roof core (black) and insulation (brown) /	North roof	NF
M10	Roof flashing (black)	North roof	NF

#### Legend

**M** Miscellaneous  
**S** Surfacing  
**TSI** Thermal System Insulation

**F** Friable  
**NF** Non-Friable  
**\*** Positive for Asbestos

## SECTION III – REPORT FOR ACBM (CON'T)

### 4.0 ASBESTOS SAMPLE RESULTS SUMMARY

A total of **thirty-five (35)** bulk samples of suspect asbestos materials were collected, in the concerned areas within the subject property and submitted for analysis for asbestos content by PLM. Any materials found to contain greater than one percent (>1%) asbestos by weight are considered to be Asbestos Containing Building Materials (ACBM). General sample location, sample type and results are presented in the following table. Detailed laboratory results are presented in **Appendix A**.

SAMPLE NO.	LOCATION / DESCRIPTION	PERCENT ASBESTOS	F/NF
*A-01	Sheetrock (white) with texture (white) and joint compound (white) / Main entrance by Admissions office	2%C-TX 2%C-JC	NF
*A-02	Sheetrock (white) with texture (white) and joint compound (white) / Men's Restroom outside Admissions office	2%C-TX 2%C-JC	NF
*A-03	Sheetrock (white) with texture (white) and joint compound (white) / Office A104 in corner	2%C-TX 2%C-JC	NF
*A-04	Sheetrock (white) with texture (white) and joint compound (white) / Hallway across from Office A107	2%C-TX 2%C-JC	NF
*A-05	Sheetrock (white) with texture (white) and joint compound (white) / Office A112 in corner by window	2%C-TX 2%C-JC	NF
A-06	Cork board (brown) and mastic (brown) and ceiling tile (white) / Wall of Office A112	ND	F
A-07	Cork board (brown) and mastic (brown) and ceiling tile (white) / Wall of Office A112	ND	F
A-08	Cork board (brown) and mastic (brown) and ceiling tile (white) / Wall of Office A112	ND	F
*A-09	Sheetrock (white) with texture (white) and joint compound (white) / Janitor closet near Office A114	2%C-TX 2%C-JC	NF
*A-10	Sheetrock (white) with texture (white) and joint compound (white) / Office A114 in corner	<1%C-TX 2%C-JC	NF
*A-11	Sheetrock (white) with texture (white) / Office A117 in corner by	2%C-TX	NF

**SECTION III – REPORT FOR ACBM (CON'T)**

<b>SAMPLE NO.</b>	<b>LOCATION / DESCRIPTION</b>	<b>PERCENT ASBESTOS</b>	<b>F/NF</b>
A-12	Sheetrock (white) with texture (white) and joint compound (white) / Office A120 in corner	ND	NF
*A-13	Sheetrock (white) with texture (white) and joint compound (white) / Hallway outside Office A121	2%C-TX 2%C-JC	NF
A-14	Sheetrock (white) with texture (white) and joint compound (white) / Cashier Lobby by entrance	ND	NF
*A-15	Sheetrock (white) with texture (white) and joint compound (white) / Storage closet outside Office 124	3%C-TX 3%C-JC	NF
*A-16	Sheetrock (white) with texture (white) and joint compound (white) / Women's Restroom near Cashier's office	3%C-TX 3%C-JC	NF
A-17	Cove base (black) and mastic (tan) / Women's Restroom near Cashier's office	ND	NF
A-18	Cove base (black) and mastic (tan) / Office A117 by entrance	ND	NF
A-19	Cove base (black) and mastic (tan) / Office A104 by entrance	ND	NF
A-20	12"x12" Floor tile (beige with white pattern) and mastic (yellow) / Electrical closet across from Reception area	ND	NF
A-21	Roof flashing (black) / South roof Southeast corner	ND	NF
A-22	Roof flashing (black) / South roof Southwest corner	ND	NF
A-23	Roof flashing (black) / South roof Northwest corner	ND	NF
A-24	Roof core (black) and insulation (brown) / South roof Southeast corner	ND	NF
A-25	Roof core (black) and insulation (brown) / South roof Southwest corner	ND	NF
A-26	Roof core (black) and insulation (brown) / South roof Northwest corner	ND	NF

## SECTION III – REPORT FOR ACBM (CON'T)

SAMPLE NO.	LOCATION / DESCRIPTION	PERCENT ASBESTOS	F/NF
A-27	Mastic (black) / Air duct penetration South roof	ND	NF
A-28	Mastic (black) / Air duct penetration South roof	ND	NF
A-29	Mastic (black) / Air duct penetration South roof	ND	NF
A-30	Roof core (black) and insulation (brown) / North roof Northeast corner	ND	NF
A-31	Roof core (black) and insulation (brown) / North roof Northwest corner	ND	NF
A-32	Roof core (black) and insulation (brown) / North roof Southwest corner	ND	NF
A-33	Roof flashing (black) / North roof Northeast corner	ND	NF
A-34	Roof flashing (black) / North roof Northwest corner	ND	NF
A-35	Roof flashing (black) / North roof Southwest corner	ND	NF

<b>F</b>	Friable	<b>C</b>	Chrysotile	<b>JC</b>	Joint Compound	<b>TSI</b>	Thermal System Insulation
<b>NF</b>	Non-Friable	<b>M</b>	Mastic	<b>W</b>	Wrap	*	Positive for Asbestos
<b>ND</b>	None Detected	<b>FT</b>	Floor Tile	<b>TX</b>	Texture	**	Positive Stop Method
<b>NA</b>	Not Analyzed	<b>L</b>	Linoleum	<b>I</b>	Insulation		

### 5.0 CONCLUSIONS AND RECOMMENDATIONS

This study was generally non-destructive in scope and may have not located all potentially hidden ACBM within the subject property. However, we have attempted to sample all obvious and accessible suspect materials within the scope of this study. Our survey **has** revealed the presence of ACM at the subject property. These materials appeared to be in a fair condition at the time of our inspection.

These materials should be monitored for any changes in their condition by the management. Any ACM that might be impacted during renovation and/or demolition activities must be addressed prior to start of such activities by a qualified and licensed environmental company. Please advise us in advance for any scheduled renovation activities and we would be glad to work with Kellogg, Brown, & Root, Inc. to address the ACM in a timely manner.

# APPENDIX A



**EMSL Analytical, Inc.**

2501 Central Parkway, Suite C-17, Houston, TX 77092

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**ERC Environmental Consultants, Inc.**  
**10801 Hammerly Blvd..**  
**Suite 100**  
**Houston, TX 77043**

Customer ID: ERC50  
Customer PO:  
Received: 09/03/09 9:45 AM  
EMSL Order: 150904913

Fax: (713) 290-9441 Phone: (713) 290-9444  
Project: **0907202/9910 Cash Rd. Building A**

EMSL Proj:  
Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-01-Sheetrock <i>150904913-0001</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
A-01-Texture <i>150904913-0001A</i>		White Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
A-01-Joint Compound <i>150904913-0001B</i>		White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
A-02-Sheetrock <i>150904913-0002</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
A-02-Texture <i>150904913-0002A</i>		White Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
A-02-Joint Compound <i>150904913-0002B</i>		White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile

Report Amended: 9/17/2009 3:56:38 PM Replaces the Inital Report . Reason Code: Client-Samples Added

Analyst(s)

Jenny Drapela (59)  
Michelle Leggett (17)

Michelle Leggett, Lab Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.  
Samples analyzed by EMSL Analytical, Inc. Houston 2501 Central Parkway, Suite C-17, Houston TX NVLAP Lab Code 102106-0, AZ 0925, CO AL-15355, LA 04126, TX 300159



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**Houston, TX 77043**

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Customer PO:  
Received: 09/03/09 9:45 AM  
EMSL Order: 150904913

Fax: (713) 290-9441 Phone: (713) 290-9444  
Project: **0907202/9910 Cash Rd. Building A**

EMSL Proj:  
Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-03-Sheetrock <i>150904913-0003</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
A-03-Texture <i>150904913-0003A</i>		White Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
A-03-Joint Compound <i>150904913-0003B</i>		White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
A-04-Sheetrock <i>150904913-0004</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
A-04-Texture <i>150904913-0004A</i>		White Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
A-04-Joint Compound <i>150904913-0004B</i>		White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile

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*Michelle Leggett (17)*

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Fax: (713) 290-9441 Phone: (713) 290-9444  
Project: **0907202/9910 Cash Rd. Building A**

EMSL Proj:  
Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-05-Sheetrock <i>150904913-0005</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
A-05-Texture <i>150904913-0005A</i>		White Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
A-05-Joint Compound <i>150904913-0005B</i>		White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
A-06-Cork Board <i>150904913-0006</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-06-Mastic <i>150904913-0006A</i>		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-06-Ceiling Tile <i>150904913-0006B</i>		White/Beige Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
A-07-Cork Board <i>150904913-0007</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Report Amended: 9/17/2009 3:56:38 PM Replaces the Inital Report . Reason Code: Client-Samples Added

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Michelle Leggett (17)

Michelle Leggett, Lab Manager  
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Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-07-Mastic 150904913-0007A		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-07-Ceiling Tile 150904913-0007B		White/Beige Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
A-08-Cork Board 150904913-0008		Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-08-Mastic 150904913-0008A		Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-08-Ceiling Tile 150904913-0008B		White/Beige Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
A-09-Sheetrock 150904913-0009		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
A-09-Texture 150904913-0009A		White Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile

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Michelle Leggett (17)

Michelle Leggett, Lab Manager  
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Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-09-Joint Compound <i>150904913-0009B</i>		White Non-Fibrous Homogeneous		98% Non-fibrous (other)	<b>2% Chrysotile</b>
A-10-Sheetrock <i>150904913-0010</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	<b>None Detected</b>
A-10-Texture <i>150904913-0010A</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>&lt;1% Chrysotile</b>
A-10-Joint Compound <i>150904913-0010B</i>		White Non-Fibrous Homogeneous		98% Non-fibrous (other)	<b>2% Chrysotile</b>
A-11-Sheetrock <i>150904913-0011</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	<b>None Detected</b>
A-11-Texture <i>150904913-0011A</i>		White Non-Fibrous Heterogeneous		98% Non-fibrous (other)	<b>2% Chrysotile</b>

Report Amended: 9/17/2009 3:56:38 PM Replaces the Inital Report . Reason Code: Client-Samples Added

Analyst(s)  

---

*Jenny Drapela (59)*  
*Michelle Leggett (17)*

---

Michelle Leggett, Lab Manager  
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Houston 2501 Central Parkway, Suite C-17, Houston TX NVLAP Lab Code 102106-0, AZ 0925, CO AL-15355, LA 04126, TX 300159



**EMSL Analytical, Inc.**

2501 Central Parkway, Suite C-17, Houston, TX 77092

Phone: (713) 686-3635 Fax: (713) 686-3645 Email: [houstonlab@emsl.com](mailto:houstonlab@emsl.com)

Attn: **Ronnie Morgan**  
**ERC Environmental Consultants, Inc.**  
**10801 Hammerly Blvd..**  
**Suite 100**  
**Houston, TX 77043**

Customer ID: ERC50  
Customer PO:  
Received: 09/03/09 9:45 AM  
EMSL Order: 150904913

Fax: (713) 290-9441 Phone: (713) 290-9444  
Project: **0907202/9910 Cash Rd. Building A**

EMSL Proj:  
Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-11-Joint Compound 150904913-0011B					Not Submitted
A-12-Sheetrock 150904913-0012		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
A-12-Texture 150904913-0012A		White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
A-12-Joint Compound 150904913-0012B		White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-13-Sheetrock 150904913-0013		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
A-13-Texture 150904913-0013A		White Non-Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile

Report Amended: 9/17/2009 3:56:38 PM Replaces the Inital Report . Reason Code: Client-Samples Added

Analyst(s)  

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**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-13-Joint Compound <i>150904913-0013B</i>		White Non-Fibrous Homogeneous		98% Non-fibrous (other)	<b>2% Chrysotile</b>
A-14-Sheetrock <i>150904913-0014</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	<b>None Detected</b>
A-14-Texture <i>150904913-0014A</i>		White Non-Fibrous Heterogeneous		100% Non-fibrous (other)	<b>None Detected</b>
A-14-Joint Compound <i>150904913-0014B</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
A-15-Sheetrock <i>150904913-0015</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	<b>None Detected</b>
A-15-Texture <i>150904913-0015A</i>		White Non-Fibrous Heterogeneous		97% Non-fibrous (other)	<b>3% Chrysotile</b>

Report Amended: 9/17/2009 3:56:38 PM Replaces the Inital Report . Reason Code: Client-Samples Added

Analyst(s)  

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*Michelle Leggett (17)*

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Michelle Leggett, Lab Manager  
or other approved signatory

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Fax: (713) 290-9441 Phone: (713) 290-9444  
Project: **0907202/9910 Cash Rd. Building A**

EMSL Proj:  
Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-15-Joint Compound <i>150904913-0015B</i>		White Non-Fibrous  Homogeneous		97% Non-fibrous (other)	<b>3% Chrysotile</b>
A-16-Sheetrock <i>150904913-0016</i>		White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	<b>None Detected</b>
A-16-Texture <i>150904913-0016A</i>		White Non-Fibrous Heterogeneous		97% Non-fibrous (other)	<b>3% Chrysotile</b>
A-16-Joint Compound <i>150904913-0016B</i>		White Non-Fibrous  Homogeneous		97% Non-fibrous (other)	<b>3% Chrysotile</b>
A-17-Cove Base <i>150904913-0017</i>		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
A-17-Mastic <i>150904913-0017A</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>

Report Amended: 9/17/2009 3:56:38 PM Replaces the Inital Report . Reason Code: Client-Samples Added

Analyst(s)  

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*Michelle Leggett (17)*

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Received: 09/03/09 9:45 AM  
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Fax: (713) 290-9441 Phone: (713) 290-9444  
Project: **0907202/9910 Cash Rd. Building A**

EMSL Proj:  
Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-18-Cove Base 150904913-0018		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-18-Mastic 150904913-0018A		Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-19-Cove Base 150904913-0019		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-19-Mastic 150904913-0019A		Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-20-Floor Tile 150904913-0020		White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-20-Mastic 150904913-0020A		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-21 150904913-0021		Black Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected

Report Amended: 9/17/2009 3:56:38 PM Replaces the Inital Report . Reason Code: Client-Samples Added

Analyst(s)

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EMSL Proj:  
Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-22 150904913-0022		Black Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
A-23 150904913-0023		Black Fibrous Heterogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
A-24-Roof Core 150904913-0024		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-24-Insulation 150904913-0024A		Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
A-25-Roof Core 150904913-0025		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-25-Insulation 150904913-0025A		Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
A-26-Roof Core 150904913-0026		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Fax: (713) 290-9441 Phone: (713) 290-9444  
Project: **0907202/9910 Cash Rd. Building A**

EMSL Proj:  
Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-26-Insulation 150904913-0026A		Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
A-27 150904913-0027		Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
A-28 150904913-0028		Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
A-29 150904913-0029		Black Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
A-30-Roof Core 150904913-0030		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-30-Insulation 150904913-0030A		Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
A-31-Roof Core 150904913-0031		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Michelle Leggett (17)

Michelle Leggett, Lab Manager  
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EMSL Proj:  
Analysis Date: 9/17/2009

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
A-31-Insulation 150904913-0031A		Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
A-32-Roof Core 150904913-0032		Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
A-32-Insulation 150904913-0032A		Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
A-33 150904913-0033		Black Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
A-34 150904913-0034		Black Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected
A-35 150904913-0035		Black Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (other)	None Detected

Report Amended: 9/17/2009 3:56:38 PM Replaces the Inital Report . Reason Code: Client-Samples Added

Analyst(s)  

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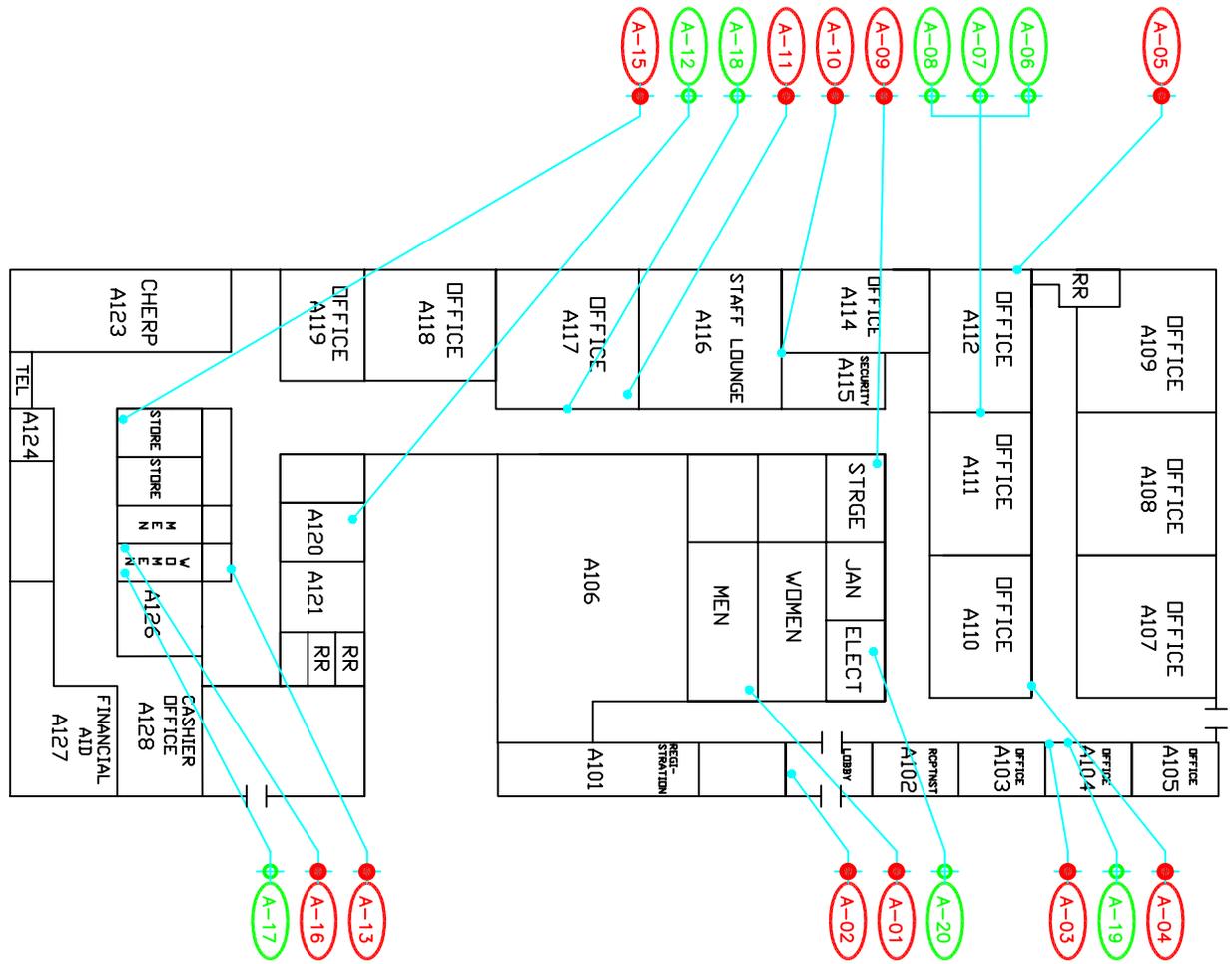
*Jenny Drapela (59)*  
*Michelle Leggett (17)*

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Michelle Leggett, Lab Manager  
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# APPENDIX B



- A-# INDICATES NEGATIVE ASBESTOS SAMPLE LOCATION
- A-# INDICATES POSITIVE ASBESTOS SAMPLE LOCATION

**LEGEND**



**BUILDING A - 9910 KASH RD.**  
 STAFFORD, TX  
**KELLOGG-BROWN & ROOT INC.**  
 5050 WRIGHT ROAD BUILDING C, HOUSTON, TX 77032

DWG BY: MK	REV BY: RM	SCALE +/-: NTS
DATE: 17SEP09	DATE: 17SEP09	FILE: 0907202

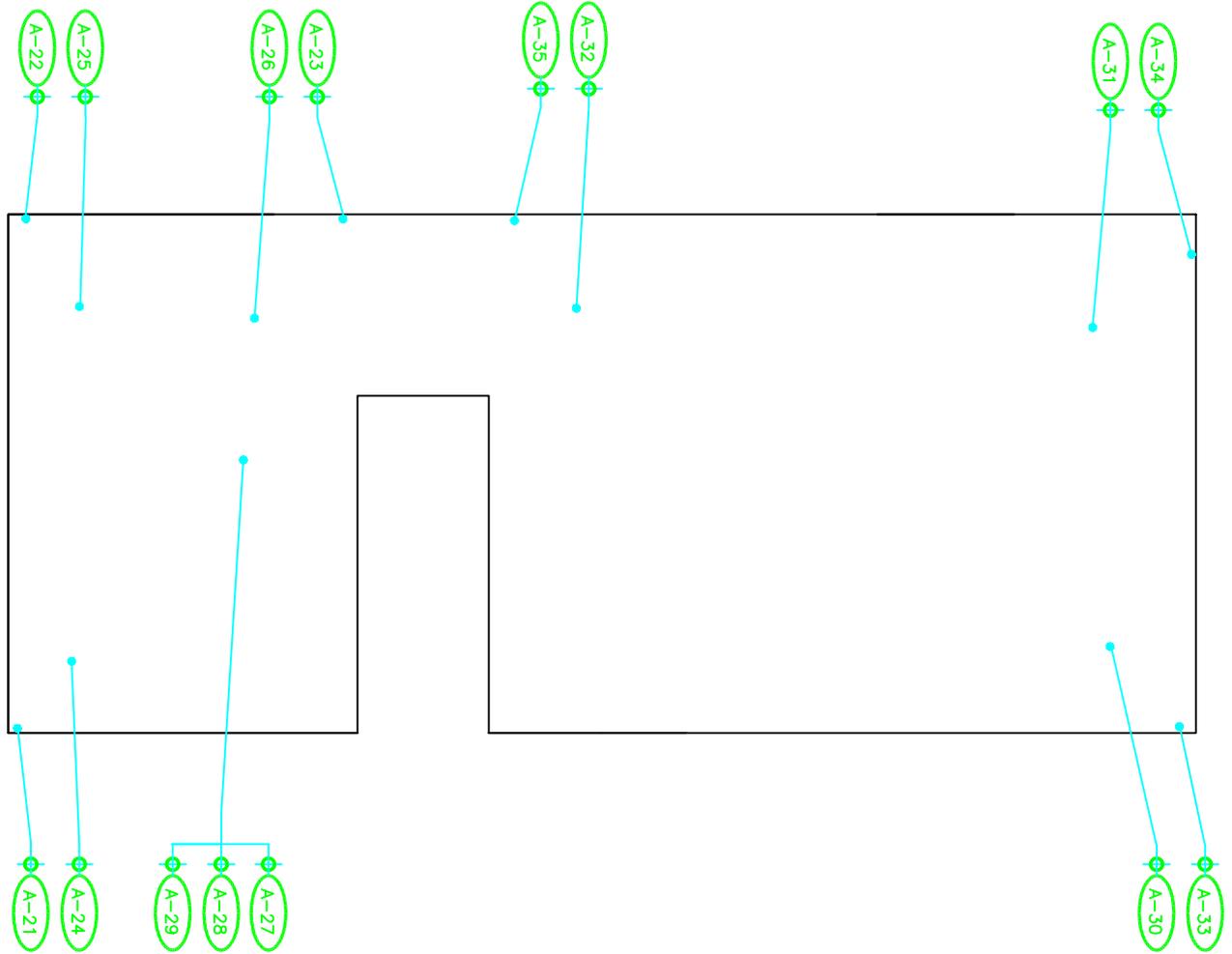


**ENVIRONMENTAL CONSULTANTS INC.**  
 10801 HAMMERLY BLVD.  
 SUITE 100, HOUSTON, TX 77043  
 PHONE: 713-290-9444 FAX: 713-290-9441

ERC PROJECT NUMBER:  
**0907202**  
 DRAWING NUMBER:  
**FL-01**  
 1 OF 2

LEGEND

-  INDICATES NEGATIVE ASBESTOS SAMPLE LOCATION
-  INDICATES POSITIVE ASBESTOS SAMPLE LOCATION



**BUILDING A ROOF - 9910 KASH RD.**

STAFFORD, TX  
**KELLOGG-BROWN & ROOT INC.**  
 5050 WRIGHT ROAD BUILDING C, HOUSTON, TX 77032

DWG BY: <b>MK</b>	REV BY: <b>RM</b>	SCALE +/-: <b>NTS</b>
DATE: <b>17SEP09</b>	DATE: <b>17SEP09</b>	FILE: <b>0907202</b>



**ENVIRONMENTAL CONSULTANTS INC.**

10801 HAMMERLY BLVD.  
 SUITE 100, HOUSTON, TX 77043  
 PHONE: 713-290-9444 FAX: 713-290-9441

**FL-01**  
 2 OF 2  
 ERC PROJECT NUMBER:  
**0907202**  
 DRAWING NUMBER:

# APPENDIX C



North entrance to Building A



South entrance to Building A



Breezeway between North and South buildings



North face of building



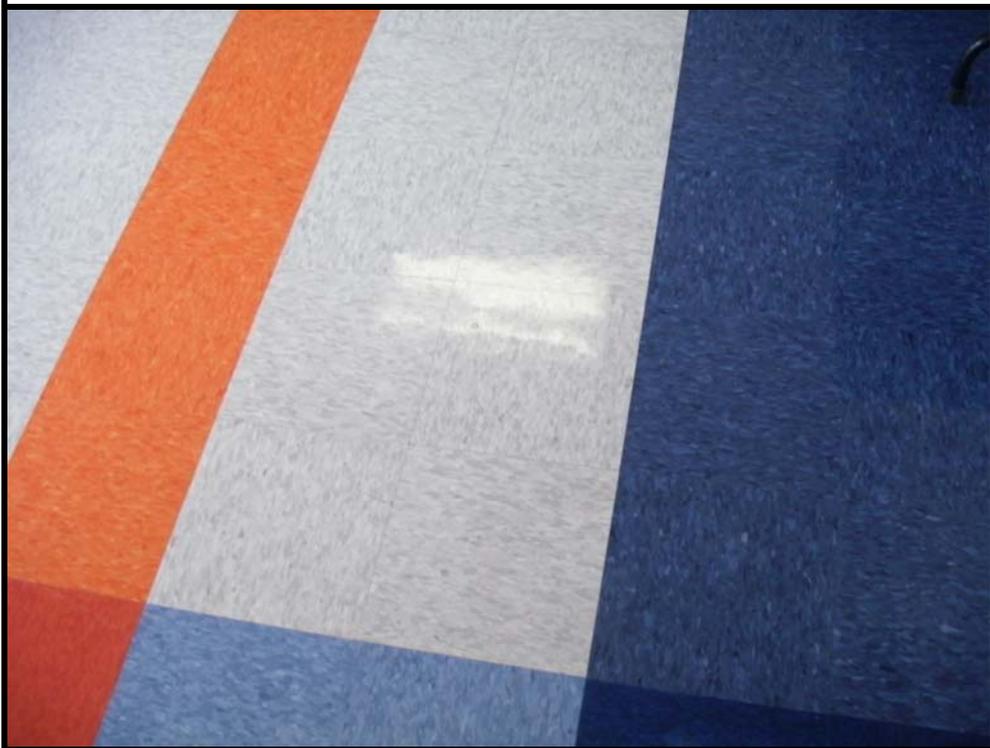
South face of building



South roof



North roof



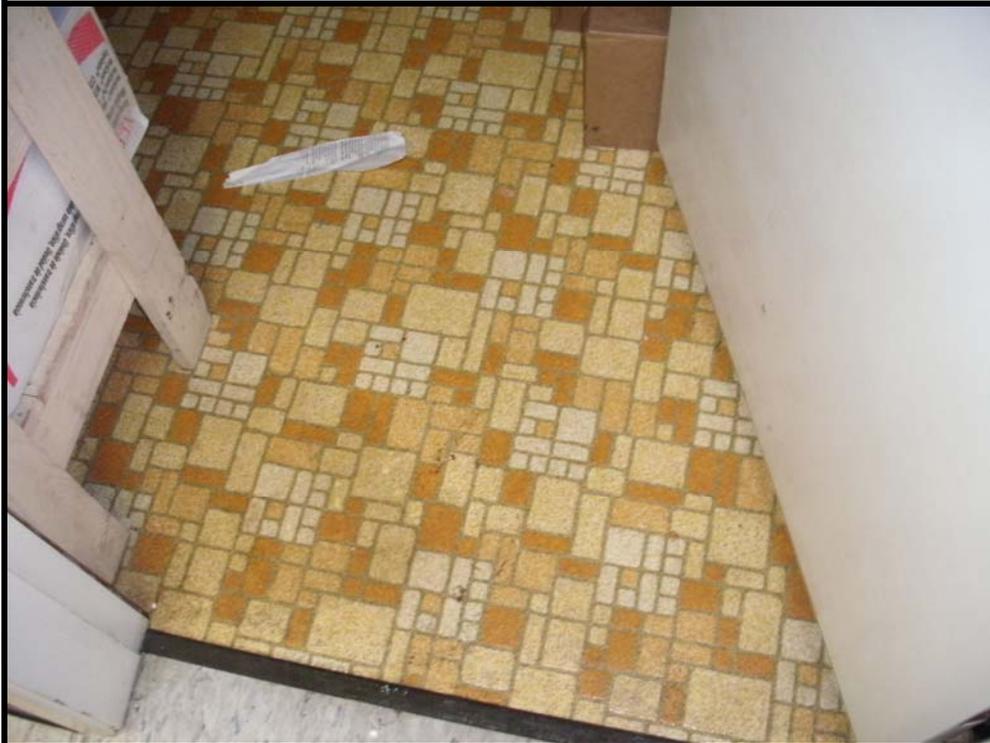
Floor tiles at entrances to building



Floor tile in hallways throughout facility



Beige floor tile in closets near reception area



Sheet flooring in storage closets and in hallway



Rough Ceiling Texture



Texture on wall in closet



Smooth ceiling texture

# APPENDIX D



# TEXAS DEPARTMENT OF STATE HEALTH SERVICES

## ERC ENVIRONMENTAL CONSULTANTS INC

*is certified to perform as a*

### **Asbestos Consultant Agency**

*in the State of Texas within the purview of Texas Occupations Code, chapter 1954, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.*

A handwritten signature in cursive script, appearing to read "David Lakey MD".

DAVID LAKEY, M.D.  
COMMISSIONER OF HEALTH

License Number: 100431

Control Number: 96097

Expiration Date: 2/20/2010

(Void After Expiration Date)

VOID IF ALTERED      NON-TRANSFERABLE



## TEXAS DEPARTMENT OF STATE HEALTH SERVICES

DAVID L. LAKEY, M.D.  
COMMISSIONER

1100 West 49th Street • Austin, Texas 78756  
P.O. Box 149347 • Austin, Texas 78714-9347  
1-888-963-7111 • [www.dshs.state.tx.us](http://www.dshs.state.tx.us)  
TTY: 1-800-735-2989

APRIL 21, 2009

KOMMY M AZARPOUR  
ENVIRONMENTAL RESOURCE CONSULTANTS  
10801 HAMMERLY BOULEVARD #100  
HOUSTON, TX 77043

This is to verify that the individual shown below holds a valid credential to practice as an ASBESTOS INDIVIDUAL CONSULTANT in the State of Texas.

NAME: KOMMY M AZARPOUR  
LICENSE TYPE: ASBESTOS INDIVIDUAL CONSULTANT  
LICENSE NUMBER: 105238  
CONTROL NUMBER: 95758  
EXPIRATION DATE: 4/27/2011

If you have any questions, please contact us by phone at 512-834-6600, by fax at 512/834-6614. We encourage you to visit our website at <http://www.dshs.state.tx.us> for frequently updated information, including rules, laws, publications and forms. You may also verify a credential through this website.

Environmental & Sanitation Licensing Group



## TEXAS DEPARTMENT OF STATE HEALTH SERVICES

DAVID L. LAKEY, M.D.  
COMMISSIONER

1100 West 49th Street • Austin, Texas 78756  
P.O. Box 149347 • Austin, Texas 78714-9347  
1-888-963-7111 • [www.dshs.state.tx.us](http://www.dshs.state.tx.us)  
TTY: 1-800-735-2989

JULY 17, 2008

RONNIE J MORGAN  
10801 HAMMERLY BLVD SUITE 100  
HOUSTON, TX 77043

This is to verify that the individual shown below holds a valid credential to practice as an ASBESTOS INDIVIDUAL MANAGEMENT PLANNER in the State of Texas.

NAME: RONNIE J MORGAN  
LICENSE TYPE: ASBESTOS INDIVIDUAL MANAGEMENT PLANNER  
LICENSE NUMBER: 205644  
CONTROL NUMBER: 95523  
EXPIRATION DATE: 7/14/2010

If you have any questions, please contact us by phone at 512-834-6600, by fax at 512/834-6614. We encourage you to visit our website at <http://www.dshs.state.tx.us> for frequently updated information, including rules, laws, publications and forms. You may also verify a credential through this website.

Environmental & Sanitation Licensing Group

# APPENDIX E