



ARC SAFETY & ENVIRONMENTAL SERVICES

110 ST. JAMES CT, SUITE 4 • FRANKFORT, KENTUCKY 40601

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To: Dan Phelps
From: Eric Robinson
Re: 550 Bourbon Street – Georgetown
Pages: 15 – including cover
Fax: 564-5096



ARC SAFETY & ENVIRONMENTAL SERVICES

110 ST. JAMES CT, SUITE 4 • FRANKFORT, KENTUCKY 40601

Phone: (502) 226-1034

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March 19, 2008

Division of Waste Management
Superfund Branch
Dan Phelps
14 Reilly Road
Frankfort, KY. 40601

Re: Old Georgetown Police Station/Pencil Factory
550 Bourbon Street
Georgetown, KY.

Mr. Phelps,

As per your request, a hazardous materials assessment was conducted at the above referenced site on March 3, 2008. Several materials were identified that should be removed prior to demolition of this structure. Listed below are identified regulated materials with estimated abatement costs:

Various Chemicals Located Throughout the Structure (List Attached)	\$5000.00
Light Tubes, Light Ballasts, Mercury Thermostats, Emergency Light and Exit Sign Batteries.	\$7000.00
Assumed Asbestos HVAC Duct and Assumed 9X9 Floor Tile and Mastic	\$2500.00
Total Estimated Budget Cost for Removal of Hazardous Materials	\$14,500.00

Additionally, due to the age of the subject property, it is assumed that various concentrations of lead paint can be found on interior and exterior building components. No sampling was conducted to verify lead paint content. However, upon demolition, TCLP Lead Sampling should be conducted to determine proper disposal methods for the debris.

Please feel free to contact me should you have any questions.

Thank you,

Eric Robinson
Project Manager
ARC Safety & Environmental Services, Inc.

QTY	CHEMICAL DESCRIPTION	CONTAINER	ADDITIONAL INFO
1	"Blue Solve" Liquid Cleaner - Non Toxic	20 gal metal	Vanguard Chemical Corp., 7320 N. Monticello Ave., Skokie, IL 312- 673-2282
1	25 Heavy Duty High Gloss Metal Interlock Floor Finish	5 gal plastic	Floor wax???
1	Accu-Tab Chlorine	7 gal plastic	In garage bay
1	ACE Glass Latex Acrylic Enamel	1 gal metal	
1	Enterprise Semi-Gloss Enamel	29 oz. metal	
1	ENVY Foaming Disinfectant Cleaner	Spray Can	
1	Georgia Pacific Joint Compound (Drywall Mud)	5 gal plastic	
1	LubriChem Environmental Kleer View		Eye/Skin Irritant, Fatal if Swallowed, (Distributed by CIFA Supply - Georgetown, KY)
1	M Superconcentrate General Purpose Liquid Cleaner	5 gal plastic	
1	Mineral Spirits	1 gal Plastic	
1	Muriatic Acid (Partially Crystallized)	5 gal metal	In a metal gas can
1	National Chemsearch Coil-Trade Heavy Duty Non-Acid Cleaner (IND-2064)	1 gal Plastic	
1	Oatey PVC Cleaner	7 gal plastic	2727 Chemsearch Blvd., Irving TX.
1	Porot Paints Block Filler	32 oz. Metal	
1	Porter Paints Chemical/Industrial Fast Dry Alkyd Enamel	5 gal plastic	
1	Porter Paints Exterior Acrylic	1 gal metal	
2	Porter Paints Interior Latex	5 gal plastic	
1	Porter Paints Interior Latex	1 gal metal	
			Sitting outside on sidewalk. Appears to be mostly rain water, but has a sheen to it.
	Unknown	35 gal. Plastic Drum	
1	Unknown	2 gal plastic	"Complete" written on container
1	Unknown	5 gal plastic	Poison Sticker
1	Unknown	3 gal plastic	
1	Unknown	5 gal metal	
1	Unknown	5 gal plastic	
4	Used Motor Oil	1 qt plastic	
1	Zinc & Copper developer for presensitized Zinc & Copper Photoengraving Metals	5 gal metal	Revere Graphic Products, Boundary Street, Plymouth, MA.

**ASBESTOS BUILDING MATERIALS
IDENTIFICATION SURVEY**

**Old Georgetown Police Station / Pencil Factory
550 Bourbon Street
Georgetown, KY
March, 2008**

Prepared For:

**Division of Waste Management
Superfund Branch
Dan Phelps
14 Reilly Road
Frankfort, KY. 40601**

Prepared By:

**ARC Safety & Environmental Services, Inc.
110 St. James Court, Suite D
Frankfort, KY. 40601
(502) 226-1034**

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I. Introduction

At the direction of Mr. Dan Phelps, Division of Waste Management – Superfund Branch, an asbestos building materials identification survey was performed at 550 Bourbon Street, Georgetown, Kentucky on 03/06/2008. Mr. Eric Robinson, EPA certified asbestos building inspector (KY License # I07-04-0852), conducted the investigation. Materials suspected of containing asbestos were sampled and delivered to MRS, Inc. for analysis.

II. Scope Of Work

The purpose of this investigation was to obtain information to reasonably ascertain whether asbestos-containing materials were present in the subject building.

III. Observations

The structure consisted of one story on a full basement with a partial crawl space, and was of block and wood frame construction.

Sampling and inspections were performed throughout the building, as well as on the roof. Suspect asbestos materials were found to be in good condition. Suspect thermal system insulation (TSI) was evidenced in the basement crawl space portion of the building at the time of this survey. Suspect asbestos materials included roofing materials, drywall, textured ceiling, baseboard mastic, plaster board, ceiling tile, door gaskets, and floor tile and associated mastic adhesives.

IV. Sampling Strategies

The asbestos survey focused on identifying thermal system insulation, surfacing materials, and miscellaneous materials suspected of containing asbestos. Once these were located, homogeneous areas were delineated (uniform in size, color, appearance, date of application, etc.) and sampling was performed in accordance with 40 CFR 763 Subpart E Appendix F.

Hidden and/or inaccessible materials have not been included in this survey.

V. Sample Analysis Results

A total of thirty six suspect asbestos samples were obtained from the structure, and samples were analyzed by polarized light microscopy (PLM) EPA method 600/R-93-116. None of the materials sampled were found to contain asbestos. Laboratory Analysis Report has been included in Appendix A.

A. Assumed Asbestos Containing Building Materials

Approximately 480 square feet of 9X9 floor tile and associated mastic adhesives located in the basement portion of the building, and approximately 10 square feet of 9X9 floor tile and associated mastic adhesives located in the warehouse portion of the building, were assumed to be positive for containing asbestos.

In the crawl space portion of the basement, two 1X2X12 sections of HVAC ducting were assumed to be positive for containing asbestos.

VI. Conclusions

ASBESTOS:

The results of this investigation indicated that asbestos-containing materials (ACM) were present in the subject building.

VI. Recommendations

Asbestos containing building materials should only be disturbed by a knowledgeable contractor with qualified employees, and should be removed prior to demolition activities.


Eric Robinson – Inspector

Date: 03/19/08

Appendix A – Asbestos Sample Log

550 Bourbon Street Asbestos Log - Old georgetown Police Station/Pencil Factory

Sample Identification	Date Sampled	Description	Location	%Positive or Negative	Comments
B-01	3/6/2007	White Door Gasket	Exterior Door - Bsmt	Neg	
B-02	3/6/2007	White Door Gasket	Exterior Door - Bsmt	Neg	
B-03	3/6/2007	White Door Gasket	Exterior Door - Bsmt	Neg	
B-04	3/6/2007	Textured Ceiling	Basement Office	Neg	
B-05	3/6/2007	Textured Ceiling	Basement Office	Neg	
B-06	3/6/2007	Textured Ceiling	Basement Office	Neg	
B-07	3/6/2007	Plaster Board	Throughout Basement	Neg	
B-08	3/6/2007	Plaster Board	Throughout Basement	Neg	
B-09	3/6/2007	Plaster Board	Throughout Basement	Neg	
B-10	3/6/2007	12X12 Floor Tile and Mastic	Throughout 1st Floor	Neg	
B-11	3/6/2007	12X12 Floor Tile and Mastic	Throughout 1st Floor	Neg	
B-12	3/6/2007	12X12 Floor Tile and Mastic	Throughout 1st Floor	Neg	
B-13	3/6/2007	12X12 Floor Tile and Mastic	Throughout 1st Floor	Neg	
B-14	3/6/2007	12X12 Floor Tile and Mastic	Throughout 1st Floor	Neg	
B-15	3/6/2007	12X12 Floor Tile and Mastic	Throughout 1st Floor	Neg	
B-16	3/6/2007	Baseboard Mastic	Throughout 1st Floor	Neg	
B-17	3/6/2007	Baseboard Mastic	Throughout 1st Floor	Neg	
B-18	3/6/2007	Baseboard Mastic	Throughout 1st Floor	Neg	
B-19	3/6/2007	Ceiling Tile	Throughout 1st Floor	Neg	
B-20	3/6/2007	Ceiling Tile	Throughout 1st Floor	Neg	
B-21	3/6/2007	Ceiling Tile	Throughout 1st Floor	Neg	
B-22	3/6/2007	Roofing Core	Old Roof	Neg	
B-23	3/6/2007	Roofing Core	Old Roof	Neg	
B-24	3/6/2007	Roofing Core	Old Roof	Neg	
B-25	3/6/2007	Drywall/Tape/Mud	Throughout 1st Floor	Neg	
B-26	3/6/2007	Drywall/Tape/Mud	Throughout 1st Floor	Neg	
B-27	3/6/2007	Drywall/Tape/Mud	Throughout 1st Floor	Neg	
B-28	3/6/2007	Vent Pipe Flashing	Old Roof	Neg	
B-29	3/6/2007	Vent Pipe Flashing	Old Roof	Neg	
B-30	3/6/2007	Vent Pipe Flashing	Old Roof	Neg	
B-31	3/6/2007	Ceiling Tile	1st Floor Restrooms	Neg	
B-32	3/6/2007	Ceiling Tile	1st Floor Restrooms	Neg	
B-33	3/6/2007	Ceiling Tile	1st Floor Restrooms	Neg	
B-34	3/6/2007	12X12 Floor Tile and Mastic	Bourbon Street Side - 1st Floor	Neg	
B-35	3/6/2007	12X12 Floor Tile and Mastic	Bourbon Street Side - 1st Floor	Neg	
B-36	3/6/2007	12X12 Floor Tile and Mastic	Bourbon Street Side - 1st Floor	Neg	

Appendix B – Laboratory Analysis Report: Asbestos

MRS, INC. MRS, Inc. Analytical Laboratory Division332 West Broadway, Suite # 613
Louisville, Kentucky - 40202(602) 485-1212
Fax (602) 491-7111**BULK SAMPLE ASBESTOS ANALYSIS**

Analysis Number: 2803188

Address: 550 Bourbon Street

Client Name: Commonwealth of KY

Sampled By: Eric Robinson - Arc

T = Floor Tile / M = Mastic Under Floor Tile

SAMPLE APPEARANCE				% FIBROUS ASBESTOS				% NON-ASBESTOS FIBERS			
Sample Number	Color	Layered	Fibrous	Chrysotile	Amosite	Crocidolite	Other	Cellulose	Fiberglass	Syn. Fiber	Other/Mat.
01	White	Yes	Yes				None	97 %			03 %
02	White	Yes	Yes				None	95 %			05 %
03	White	Yes	Yes				None	98 %			02 %
04	White	Yes	Yes				None	15 %			85 %
05	White	Yes	Yes				None	12 %			88 %
06	White	Yes	Yes				None	14 %			86 %
07	White	Yes	Yes				None	33 %			67 %
08	White	Yes	Yes				None	35 %			65 %
09	White	Yes	Yes				None	32 %			68 %
10 T	Beige	Yes	No				None	01 %			99 %
10 M	Tan	No	No					03 %			97 %
11 T	Beige	Yes	No				None	02 %			
11 M	Tan	No	No				None	01 %			99 %
12 T	Beige	Yes	No				None	03 %			97 %
12 M	Tan	No	No				None	05 %			95 %
13 T	Beige	Yes	No				None	02 %			98 %
13 M	Tan	No	No				None	03 %			97 %
14 T	Gray	Yes	No				None	01 %			99 %
14 M	Tan	No	No				None	02 %			98 %
15 T	Gray	Yes	No				None	02 %			98 %

Methodology: EPA Methodology 660R-93/116

Date Analyzed: March 18, 2008

Analyst: Winterford Mensah

Reviewed By: *[Signature]*

The test relates only to the items tested. This report does not represent endorsement by NVLAP or any agency of the U.S. Government. Partial Reproduction of any part of this Report is strictly prohibited. Samples shall be retained for (30) days.

A1HA#102469

A1HA#102469

MRS. INC. MRS. Inc. Analytical Laboratory Division332 West Broadway, Suite # 613
Louisville, Kentucky - 40202(502) 495 - 1212
Fax (502) 491 - 7111**BULK SAMPLE ASBESTOS ANALYSIS**Analysis Number: 2803188
Client Name: State Of KY
Sampled By: Eric Robinson - ARC

Address: 550 Bourbon Street

T = Floor Tile / M = Mastic Under Floor Tile

SAMPLE APPEARANCE				% FIBROUS ASBESTOS				% NON-ASBESTOS FIBERS			
Number	Color	Layered	Fibrous	Chrysotile	Amosite	Crocidolite	Other	Cellulose	Fiberglass	Syn. Fiber	Other/Mat.
15 M	Gray	Yes	No				None	02 %			98 %
16	Green	Yes	Yes				None	30 %			70 %
17	Green	Yes	Yes				None	15 %			85 %
18	Green	Yes	Yes				None	25 %			75 %
19	White	Yes	Yes				None	55 %	20 %		25 %
20	White	Yes	Yes				None	58 %	17 %		25 %
21	White	Yes	Yes				None	53 %	22 %		25 %
22	Black	Yes	Yes				None	05 %	62 %		33 %
23	Black	Yes	Yes				None	02 %	60 %		38 %
24	Black	Yes	Yes				None	05 %	60 %		35 %
25	White	Yes	Yes				None	28 %			72 %
26	White	Yes	Yes				None	33 %			67 %
27	White	Yes	Yes				None	32 %			68 %
28	Black	Yes	No				None	02 %			98 %
29	Black	Yes	No				None	05 %			95 %
30	Black	Yes	No				None	03 %			97 %
31	White	Yes	Yes				None	55 %	30 %		15 %
32	White	Yes	Yes				None	58 %	30 %		12 %
33	White	Yes	Yes				None	56 %	30 %		14 %
34T	Beige	Yes	No				None	01 %			99 %

Methodology: EPA Methodology 880R-93/116

Date Analyzed: March 18, 2008

Analyst: Winterford Henech

Reviewed By: *Winterford Henech*

The test relates only to the items tested. This report does not represent endorsement by NVLAP or any agency of the U.S. Government. Partial Reproduction of any part of this Report is strictly prohibited. Samples shall be retained for (30) days.

AIA#102459

AIA#1 02459

MRS

CHAIN OF CUSTODY

ARC Safety and Environmental Services, Inc.

110 St James Ct, Suite D
Franklin, KY 40001
Phone: 502-226-1034 Fax: 502-226-1035

Send Report To:

ARC

Company Name: Kentucky EPA
Site Name: 550 Bourbon Street
Sampled By: ER
Project:

Invoice To:

Dan Phelps

Division of Waste Management - Superfund Branch
14 Reilly Road
Frankfort KY 40601

Standard Turn Around, or

Rush Date/Time Requested: / / @ am / pm.

Phone Results To:

Phone#

Fax Results To:

Fax#

Email Results To:

Email:

()
(901) 276 1035

Sample Identification	Date Sampled	Description	At Sample Volume (liters)	Analysis Requested	Method Reference
B-19	3/6/2007	Ceiling Tile		PCM	
B-20	3/6/2007	Ceiling Tile		PCM	
B-21	3/6/2007	Ceiling Tile		PCM	
B-22	3/6/2007	Roofing Core		PCM	
B-23	3/6/2007	Roofing Core		PCM	
B-24	3/6/2007	Roofing Core		PCM	
B-25	3/6/2007	Drywall/eps/Mud		PCM	
B-26	3/6/2007	Drywall/eps/Mud		PCM	
B-27	3/6/2007	Drywall/eps/Mud		PCM	
B-28	3/6/2007	Vent Pipe Flashing		PCM	
B-29	3/6/2007	Vent Pipe Flashing		PCM	
B-30	3/6/2007	Vent Pipe Flashing		PCM	
B-31	3/6/2007	Ceiling Tile		PCM	
B-32	3/6/2007	Ceiling Tile		PCM	
B-33	3/6/2007	Ceiling Tile		PCM	
B-34	3/6/2007	12X12 Floor Tile and Mastic		PCM	
B-35	3/6/2007	12X12 Floor Tile and Mastic		PCM	
B-36	3/6/2007	12X12 Floor Tile and Mastic		PCM	

Relinquished By:

Name: Dan Phelps

Date/Time:

3/11/08

Received By Lab:

Name: Dan Phelps

Date/Time:

3/12/08 - 3:20 pm

CHAIN OF CUSTODY

ARC Safety and Environmental Services, Inc.

110 St. James Ct. Suite D
Frankfort, KY 40601

Phone: 502-226-1034 Fax: 502-226-1035

Send Report To:

ARC

Company Name:

Kentucky EPA

Site Name:

550 Bourbon Street

Sampled By:

ER

Project#:

Invoice To:

Dan Phelps

Division of Waste Management - Superfund Branch

14 Reilly Road

Frankfort KY 40601

☒ Standard Turn Around or

☐ Rush Date/Time Requested: / / @ am / pm:

☐ Phone Results To:

Phone#

☐ Fax Results To:

Fax#

☐ Email Results To:

Email:

(502) 226-1035

Sample Identification	Date Sampled	Description	Air Sample Volume (feet)	Analysis Requested	Method Reference
B-01	3/6/2007	White Door Gasket		PLM	
B-02	3/6/2007	White Door Gasket		PLM	
B-03	3/6/2007	White Door Gasket		PLM	
B-04	3/6/2007	Textured Ceiling		PLM	
B-05	3/6/2007	Textured Ceiling		PLM	
B-06	3/6/2007	Textured Ceiling		PLM	
B-07	3/6/2007	Plaster Board		PLM	
B-08	3/6/2007	Plaster Board		PLM	
B-09	3/6/2007	Plaster Board		PLM	
B-10	3/6/2007	12X12 Floor Tile and Mastic		PLM	
B-11	3/6/2007	12X12 Floor Tile and Mastic		PLM	
B-12	3/6/2007	12X12 Floor Tile and Mastic		PLM	
B-13	3/6/2007	12X12 Floor Tile and Mastic		PLM	
B-14	3/6/2007	12X12 Floor Tile and Mastic		PLM	
B-15	3/6/2007	12X12 Floor Tile and Mastic		PLM	
B-16	3/6/2007	Baseboard Mastic		PLM	
B-17	3/6/2007	Baseboard Mastic		PLM	
B-18	3/6/2007	Baseboard Mastic		PLM	

Relinquished By: Name: *Frankfort Airport*

Date/Time: 3/19/08 - 3:20 pm