

LIMITED ASBESTOS CONTAINING MATERIALS INSPECTION

**Former Shoe Factory
185 Rowley Avenue
Vanceburg, Lewis Co., Kentucky 41179**



Prepared for:



**AMEC Earth and Environmental Inc.
11003 Bluegrass Parkway #690
Louisville, Kentucky 40299-2363**

Prepared by:



**Chase Environmental Group
11450 Watterson Court
Louisville, Kentucky 40299**

**REPORT DATE
April 13, 2011**

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1.0 ASBESTOS INSPECTION

1.1 INTRODUCTION

Chase Environmental Group (Chase) was authorized on behalf of AMEC Earth and Environmental, Inc. (AMEC), in a work order authorized by Mr. Bob Perkins in March 2011, to perform an asbestos containing materials inspection at the former shoe factory located at 185 Rowley Avenue in Vanceburg, Lewis County, Kentucky. Chase has prepared this report for use by AMEC to outline identified environmental concerns associated with asbestos at this property prior to the proposed demolition of the structure.

Chase understands that the former shoe factory is being considered for potential demolition. EPA regulation 40 CFR 61.140, National Emissions Standards for Hazardous Air Pollutants (NESHAP), prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP requires that potentially regulated asbestos containing building materials be identified, classified, and quantified prior to planned renovation or demolition of the structure.

The objective of this inspection was to assess potential asbestos containing materials associated with the property as part of the proposed demolition of the structure. This assessment included an onsite inspection for asbestos containing material (ACM) which may be disturbed during demolition activities. Historic record reviews and owner/operator questionnaires were not part of this assessment. All on-site assessment activities were conducted on March 22, 2011. This report provides background information, scope-of-work performed, limitations and exceptions, assessment results, findings and conclusions, and recommendations.

1.2 BACKGROUND AND SITE SUMMARY

AMEC has requested this ACM inspection as part of the potential future demolition of the former shoe factory at the subject property. The subject property is estimated to have been constructed prior to 1940 and includes brick construction and built-up roofing. Many areas of the structure were no longer intact including areas of walls, roofing, ceiling components, etc. Only areas which were considered safe to enter were sampled for laboratory analysis. Additional areas of asbestos will be delineated from the finding, but it should be noted that not all areas of the structure were accessed or sampled for laboratory analysis. The total structure is approximately 43,000 square feet in size. A site location diagram and selected photographs are included within [Appendix A](#) (Section 4.1 of this report).

1.3 LIMITATIONS AND EXCEPTIONS

This assessment pertains directly to those areas observed and sampled within the subject property and is not intended to provide indoor air quality data or information for the entirety of the building. Only those areas accessible during the site visit including areas considered “typical” of those conditions and materials found throughout the property structure were sampled for laboratory analysis.

None of the work performed hereunder shall constitute or be represented as a legal opinion of any kind or nature, but shall be a representation of findings from the site visit. There are no warranties or guarantees, expressed or implied, included or intended by the report, except that it has been prepared in accordance with the current, generally accepted, practices and standards consistent with the level of care and skill exercised under similar circumstances by professional consultants or firms performing the same or similar service.

Changes in the condition of the building may occur with time due to either natural processes or human activities. The findings presented in this report are based on site conditions existing at the time of the investigation. Many areas of the structure were no longer intact including areas of walls, roofing, ceiling components, etc. Only areas which were considered safe to enter were sampled for laboratory analysis. Additional areas of asbestos will be delineated from the finding, but it should be noted that not all areas of the structure were accessed or sampled for laboratory analysis. While Chase's inspection of accessible areas was exhaustive in nature, the potential exists for ACM to be discovered during the demolition process. In the event that suspected ACM is discovered during demolition or remodeling activities, work should cease until the suspect material can be sampled and properly removed, if needed, prior to resuming demolition or remodeling activities. This report is not a comprehensive scope of work for an asbestos abatement or demolition contractor. Polychlorinated Biphenyls (PCBs) may be present in caulking sealants, Mercury may be present in thermometers, thermostats, and sprinkler systems, lead based paint may be present on painted substrates, radiological sources may be present in smoke detectors and "EXIT" signs, and other hazardous or potentially hazardous substances may be present on the subject properties and should be handled in accordance with all applicable local, state, and federal regulations.

This report was compiled for the sole use of AMEC. This report is not intended to be distributed or relied upon by third parties without the written permission of Chase.

1.4 SCOPE OF WORK

Chase performed the following scope of work, which was based, in part, upon information provided by persons deemed knowledgeable of the property and our experience with similar projects.

Asbestos is a general term for a group of fibrous minerals (primarily chrysotile, amosite, and crocidolite) that have long been used as a fireproof insulation and as a strengthener in pipe insulation, roofing tiles, floor tiles, mastic, wall coverings, and other materials. A material is considered an ACM if it is found to contain greater than 1% of asbestos. Undisturbed asbestos containing materials (ACMs) are not dangerous. However, when ACMs are broken or torn (such as during remodeling or demolition) the fibers can be spread into the air, especially if the material is friable. By definition, friable ACM can be "crumbled or reduced to powder by hand pressure." Studies have shown that inhaling high concentrations of these fibers over time can cause diseases such as asbestosis, lung cancer, and mesothelioma.

The ACM inspection conducted at 185 Rowley Avenue was performed to identify ACM throughout each accessible area of the building including the exterior and roof areas. Areas

within the structure that were inaccessible, included the second floor, areas of the roof, and other unsafe areas, may contain ACM. Sampling of fiberglass, foam, glass, rubber, and other recognized non-ACM material was not included as part of this inspection in accordance with 40 CFR 763-86(4). Mr. Christopher Stovall, a Kentucky accredited asbestos inspector, conducted survey activities. Copies of all Mr. Stovall's credentials are included as [Appendix D](#) (Section 4.4 of this report).

Samples of potential ACM were collected from accessible homogeneous areas (HA), which consisted of materials that were similar in color, texture, and size. Suspect ACM was grouped in homogeneous areas and categorized as thermal systems insulation (TSI), surfacing material, or miscellaneous material (40 CFR 763.86) and sampled accordingly. Following the inspection and sampling activities, the suspect ACM samples were delivered to Environmental Hazards Services Laboratory, Inc. (EHS) of Richmond, Virginia for Polarized Light Microscopy (PLM) analysis by EPA Method 600/R-93/116. The National Voluntary Laboratory Accreditation Program (NVLAP) accredits EHS for Asbestos Fiber Analysis. Copies of the laboratory NVLAP certification are included within [Appendix C](#) (Section 4.3 of this report).

ACM samples were collected from all identified areas, other than the inaccessible areas listed above. A comprehensive list of all samples taken from the subject property can be found in [Appendix B](#) (Section 4.2 of this report). All laboratory analytical results can be found in [Appendix C](#) (Section 4.3 of this report). Sample numbers, locations, descriptions, quantities, and friability category are included within the chart included in Section 1.5.

1.5 RESULTS

Activities associated with the ACM inspection, including sample locations and materials found to contain asbestos in a concentration greater than 1%, generated the following results:

POSITIVE SAMPLE LOCATIONS, RESULTS & QUANTITIES

AREA #	SAMPLE #	DESCRIPTION (FRIABILITY)	LOCATION	% ASBESTOS	APPROX. QUANTITY
004	185-005a	Green Rolled Roofing / Black Tar-Like (NF)	Exterior – Wooden Addition Roof	5% Chrysotile	110ft ² including fallen material
001	185-008B	Gray Roof Flashing (NF)	Exterior – Wooden Addition Roof/Wall	5% Chrysotile	40 linear feet
001	185-012A	Gray Window Glazing (PF)	Interior – Window Pane	2% Chrysotile	9,800 linear feet*
001	185-017A	Green Rolled Roof, Red Felt, Black Tar-Like (NF)	Exterior – Roof Main Building	5% Chrysotile in Black Tar-Like	14,500 ft ² including fallen material
001	185-017B	Green Rolled Roof, Red Felt, Black Tar-Like (NF)	Exterior – Roof Main Building	5% Chrysotile in Black Tar-Like	Included with sample 185-017A
001	185-017C	Green Rolled Roof, Red Felt, Black Tar-Like (NF)	Exterior – Roof Main Building	5% Chrysotile in Black Tar-Like	Included with sample 185-017A

NF--Non-Friable

F--Friable

PF – Potentially Friable

ND – None (Asbestos) Detected

>1% Asbestos Content is considered asbestos containing

* A small amount of windows (~25%) have glazing still intact. Glazing may be present on interior floors and surrounding areas. 9,800 linear feet is the amount if all intact windows had all the glazing present.

1.6 FINDINGS, CONCLUSIONS, & RECOMMENDATIONS

Chase has performed this asbestos containing materials inspection at the former shoe factory located at 185 Rowley Avenue in Vanceburg, Lewis County, Kentucky, according to the scope of services as defined in this report. Our assessment has revealed that the above mentioned materials were found to be asbestos containing. Based upon the results of this limited assessment, Chase recommends the following.

ACM is subject to a variety of specific Federal, State and local regulatory requirements. The following summarizes the major regulatory requirements for asbestos:

- All defined quantities are estimates and must be field verified by the selected abatement contractor.
- Because ACM was present in the above mentioned materials, care should be taken whenever the potential to disturb these materials exists.
- Asbestos Containing Material removal/abatement should occur in accordance with local, state, and federal regulations.
- All contractors and employees should be alerted to the presence and location of the identified and presumed ACM and hazards, in accordance with applicable Occupational and Safety Health Administration (OSHA) regulations.
- Various regulatory agencies (state and local) must be notified of any asbestos removal, repair or encapsulation work prior to conducting said work. The licensed asbestos abatement contractor typically submits these notifications.
- Employees who work with asbestos should be provided with proper personal protective equipment, as well as the appropriate asbestos removal equipment, training and licensure as applicable.
- All asbestos material must be disposed of in accordance with the Federal, State and Local asbestos regulations.
- Asbestos abatement should be monitored to ensure that no asbestos is released into ambient air. During enclosed asbestos removals, it is required that an independent consultant who is a licensed project monitor, perform clearance air testing prior to the removal of the containment/enclosure barriers. Air monitoring must be performed in accordance with applicable regulations and potentially affected employees must be notified of any asbestos abatement work.
- Hidden and/or inaccessible materials may not have been included within the scope of this survey. If concealed ACM is observed at any point subsequent to this survey, it will be necessary to investigate and collect bulk samples in order to confirm the presence or absence of asbestos content. Should potential Asbestos Containing Materials (ACMs) be

discovered during maintenance, renovation, or demolition activities that have not previously been sampled, all activities shall cease until the suspect materials have been sampled. If suspect asbestos is discovered during maintenance, renovation, demolition activities, the area shall be wetted, contained, doors sealed and a certified asbestos abatement contractor contacted to abate the material in accordance with federal, state, and local regulations.

- Due to the condition of the structure, Chase did not access areas certain areas of the subject property. Due to the age of the structure it is possible ACM exists within the inaccessible areas. Chase recommends AMEC seek the guidance of the Kentucky Division for Air Quality regarding inaccessible materials since the building is potentially slated for demolition.

Implementation of these recommendations will help ensure compliance with regulatory requirements.

2.0 SIGNATURES AND QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Prepared by:

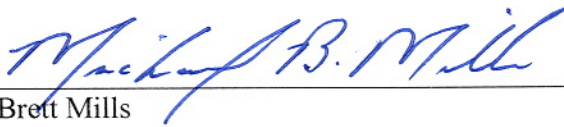
Christopher
Stovall

Digitally signed by Christopher Stovall
DN: cn=Christopher Stovall, o=TriEco,
LLC, ou, email=cstovall@trieco.net, c=US
Date: 2011.05.03 07:59:48 -04'00'

Chris Stovall
Environmental Scientist

Date

Reviewed by:


M. Brett Mills
Principal


Date

3.0 REFERENCES

Asbestos Hazard Emergency Response Act (AHERA). 40CFR, Part 763

Nation Emission Standards for Hazardous Air Pollutants: Asbestos (NESHAP). 40 CFR Part 61 (November 20, 1990).

Occupational Safety and Health Administration (OSHA). Occupations Exposure to Asbestos: Final Rule, 20 CFR Parts 1910 and 1926 (August 10, 1994).

USEPA Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems (January 5, 1994)

Occupational Safety and Health Administration (OSHA). Construction Industry Standard: 29 CFR 1926

Occupations Safety and Health Administration (OSHA). Respiratory Protection Standard: 29 CFR 1910.134

4.0 ENCLOSURES

4.1 Appendix A: Site Location Figure and Selected Photographs

4.2 Appendix B: Asbestos Field Sample Logs & Sample Location Diagrams

4.3 Appendix C: Asbestos Laboratory Analytical Results

4.4 Appendix D: Asbestos Personnel License and Certifications

APPENDIX A

SITE LOCATION FIGURE AND SELECTED PHOTOGRAPHS



1	DESCRIPTION	Front view of property looking northwest.
	DATE	March 22, 2011



2	DESCRIPTION	Side view of property looking northeast.
	DATE	March 22, 2011



3	DESCRIPTION	Rear view of property looking east.
	DATE	March 22, 2011



4	DESCRIPTION	Side view of property looking North.
	DATE	March 22, 2011



5	DESCRIPTION	Side view of property looking south.
	DATE	March 22, 2011



6	DESCRIPTION	View of roofing located within stairwell of wooden addition.
	DATE	March 22, 2011



7	DESCRIPTION	View of roofing debris located on Side D of the subject property.
	DATE	March 22, 2011



8	DESCRIPTION	View of roofing located within "Fallen Area" of subject property.
	DATE	March 22, 2011



**Sample #
185-008B,C**

9	DESCRIPTION	View of wooden addition roof flashing looking east.
	DATE	March 22, 2011



10	DESCRIPTION	Interior view of window glazing located within “Area 001” of subject property.
	DATE	March 22, 2011



11	DESCRIPTION	Interior view of “Area 001” looking West.
	DATE	March 22, 2011



12	DESCRIPTION	Interior view of “Area 001” looking northwest.
	DATE	March 22, 2011



13

DESCRIPTION

View of 2nd Floor ceiling from 1st floor “Area 001” looking north.

DATE

March 22, 2011



14

DESCRIPTION

Interior view of basement “Area 005” looking West.

DATE

March 22, 2011

APPENDIX B

ASBESTOS FIELD SAMPLE LOGS AND SAMPLE LOCATION DIAGRAMS

CHASE ENVIRONMENTAL GROUP

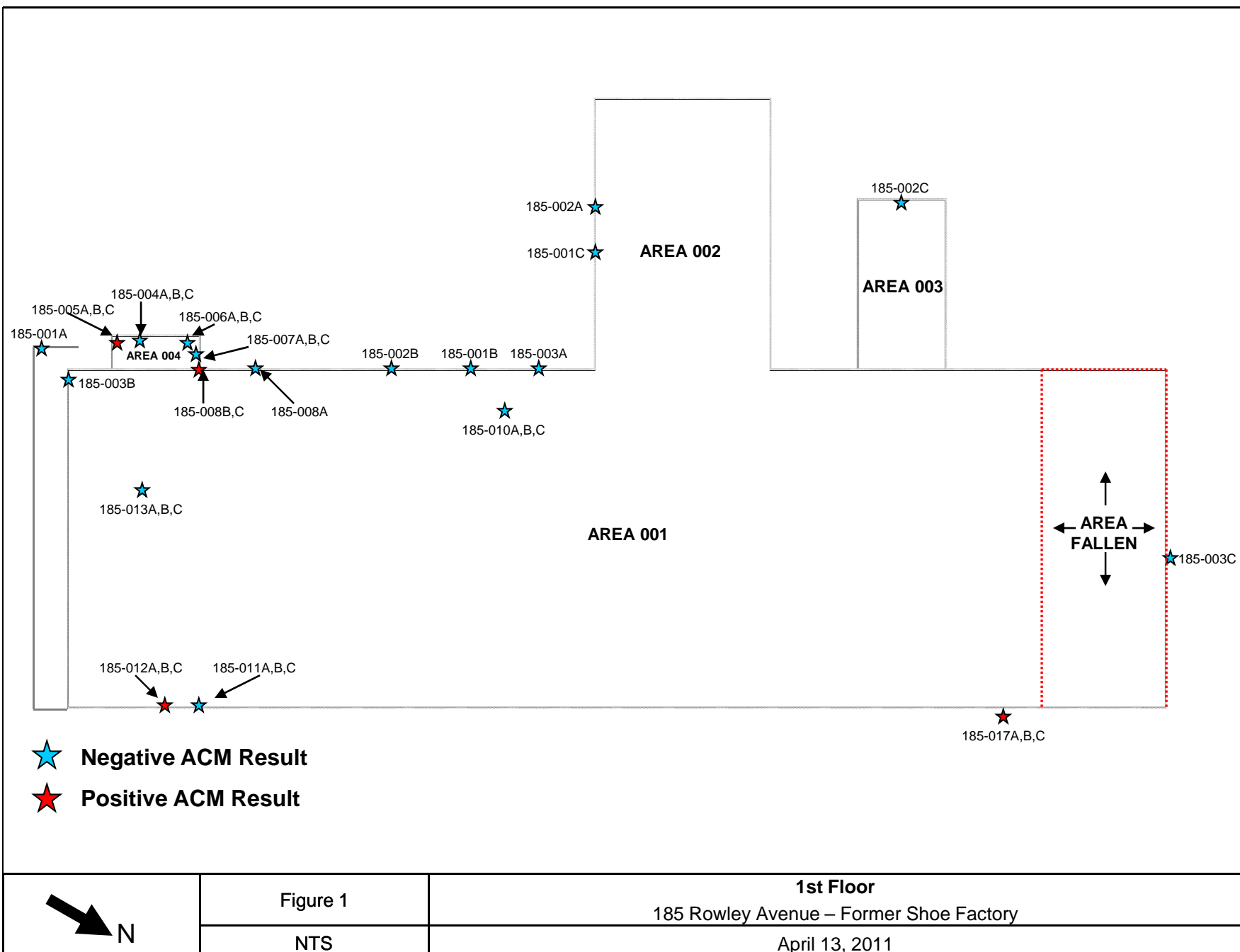
4/13/2011

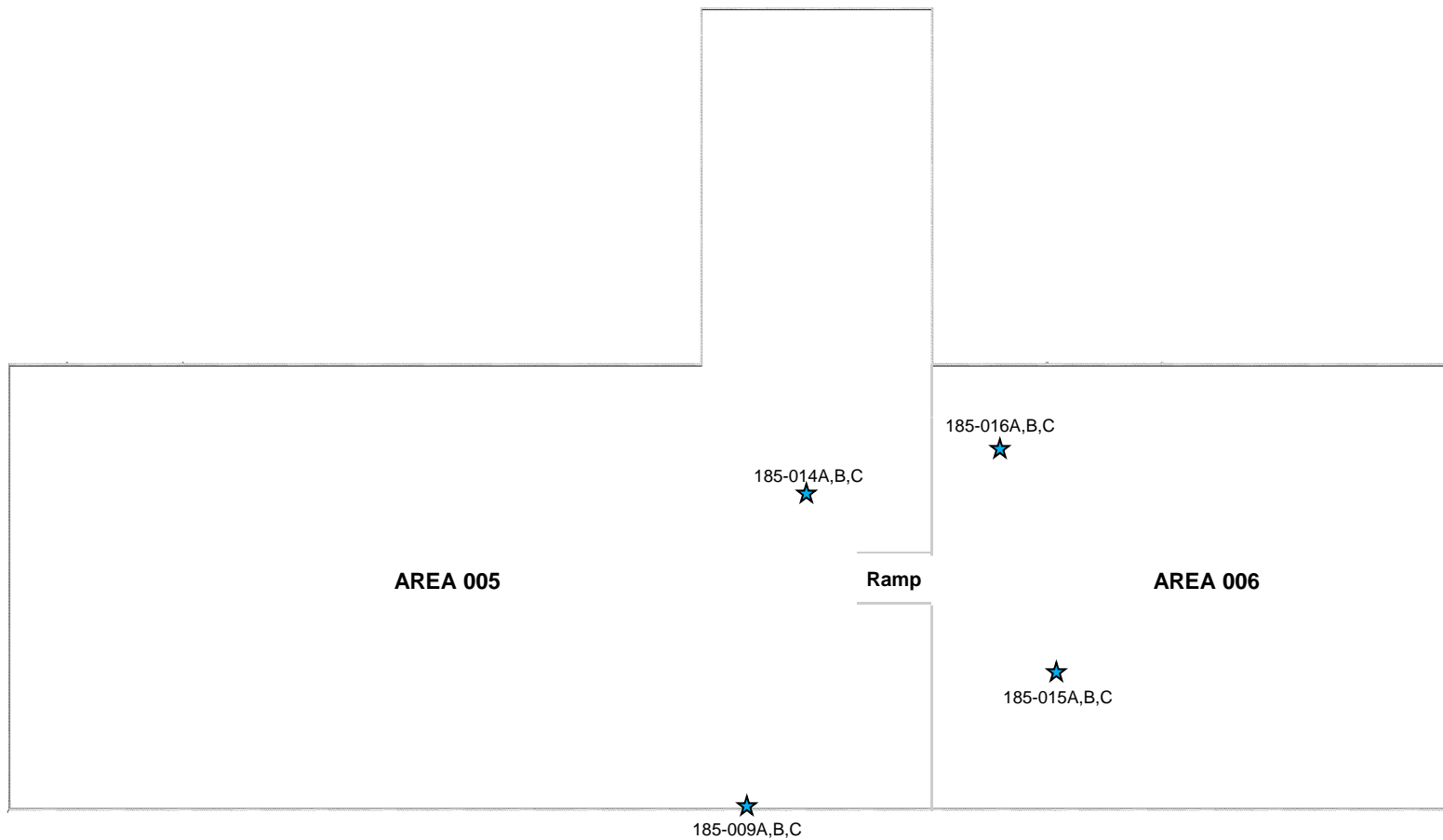
Facility: Former Shoe Factory - Vanceburg, KY**TriEco Project No.:** 11-R0322

Date	Side	Area	Sample #	Material Description	Location	Area	%Asbestos	Type
3/22/2011	A	001	185-001A	Gray Cementitious	Exterior - Front Walkway		NAD	NF
3/22/2011	B	001	185-001B	Gray Cementitious	Exterior - Side Concrete Wall		NAD	NF
3/22/2011	A	002	185-001C	Gray Cementitious	Exterior - Foundation		NAD	NF
3/22/2011	A	002	185-002A	Gray Cementitious Brick Mortar	Exterior - Structure Wall		NAD	NF
3/22/2011	B	001	185-002B	Gray Cementitious Brick Mortar	Exterior - Structure Wall		NAD	NF
3/22/2011	B	003	185-002C	Gray Cementitious Brick Mortar	Exterior - Structure Wall		NAD	NF
3/22/2011	B	001	185-003A	Red Cementitious Brick	Exterior - Structure Wall		NAD	NF
3/22/2011	A	001	185-003B	Red Cementitious Brick	Exterior - Structure Wall		NAD	NF
3/22/2011	C	001	185-003C	Red Cementitious Brick	Exterior - Structure Wall		NAD	NF
3/22/2011	Roof	004	185-004A	Gray Rolled Roofing	Exterior - Wooden Side Addition		NAD	NF
3/22/2011	Roof	004	185-004B	Gray Rolled Roofing	Exterior - Wooden Side Addition		NAD	NF
3/22/2011	Roof	004	185-004C	Gray Rolled Roofing	Exterior - Wooden Side Addition		NAD	NF
3/22/2011	Roof	004	185-005A	Green Rolled Roofing / Black Tar-like	Exterior - Wooden Side Addition		5% Chrysotile	NF
3/22/2011	Roof	004	185-005B	Green Rolled Roofing / Black Tar-like	Exterior - Wooden Side Addition		DNA	NF
3/22/2011	Roof	004	185-005C	Green Rolled Roofing / Black Tar-like	Exterior - Wooden Side Addition		DNA	NF
3/22/2011	B	004	185-006A	Green Felt Board	Interior - Wooden Addition Wall		NAD	NF
3/22/2011	B	004	185-006B	Green Felt Board	Interior - Wooden Addition Wall		NAD	NF
3/22/2011	B	004	185-006C	Green Felt Board	Interior - Wooden Addition Wall		NAD	NF
3/22/2011	C	004	185-007A	Brown Fiber Board	Interior - Wooden Addition Wall		NAD	NF
3/22/2011	B	004	185-007B	Brown Fiber Board	Interior - Wooden Addition Wall		NAD	NF
3/22/2011	B	004	185-007C	Brown Fiber Board	Interior - Wooden Addition Wall		NAD	NF
3/22/2011	B	001	185-008A	Gray Flashing	Exterior - Structure Wall Above Door		NAD	NF
3/22/2011	B	001	185-008B	Gray Flashing	Exterior - Roof of Wooden Addition		5% Chrysotile	NF
3/22/2011	B	001	185-008C	Gray Flashing	Exterior - Roof of Wooden Addition		DNA	NF
3/22/2011	D	005	185-009A	Tan Corrugated-like	Interior - Basement		NAD	NF
3/22/2011	D	005	185-009B	Tan Corrugated-like	Interior - Basement		NAD	NF
3/22/2011	D	005	185-009C	Tan Corrugated-like	Interior - Basement		NAD	NF
3/22/2011	Ceiling	001	185-010A	White Chaulky-like	Interior - 2nd Floor Ceiling		NAD	F
3/22/2011	Ceiling	001	185-010B	White Chaulky-like	Interior - 2nd Floor Ceiling		NAD	F
3/22/2011	Ceiling	001	185-010C	White Chaulky-like	Interior - 2nd Floor Ceiling		NAD	F
3/22/2011	D	001	185-011A	Black Glue	Interior - Around Entire Window		NAD	NF
3/22/2011	D	001	185-011B	Black Glue	Interior - Around Entire Window		NAD	NF
3/22/2011	D	001	185-011C	Black Glue	Interior - Around Entire Window		NAD	NF
3/22/2011	D	001	185-012A	Gray Window Glazing	Interior - Window Pane		2% Chrysotile	NF
3/22/2011	D	001	185-012B	Gray Window Glazing	Interior - Window Pane		DNA	NF

4/13/2011

[illegible]





- ★ Negative ACM Result
- ★ Positive ACM Result



Figure 2

NTS

Basement

185 Rowley Avenue – Former Shoe Factory

April 13, 2011

APPENDIX C

ASBESTOS LABORATORY ANALYTICAL RESULTS



Environmental Hazards Services, L.L.C.

7469 Whitepine Rd

Richmond, VA 23237

Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 11-03-03419

Client: Trieco LLC
7710 Springvale Drive
Suite 201
Louisville, KY 40241

Received Date: 03/24/2011
Analyzed Date: 03/26/2011
Reported Date: 03/29/2011

Project/Test Address: Shoe Factory - 185 Rowley Avenue; Vanceburg, KY

Client Number:
18-6351

Fax Number:
502-568-6222

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
11-03-03419-001	185-001A		Tan Granular	NAD	100% Non-Fibrous
11-03-03419-002	185-001B		Tan Granular	NAD	100% Non-Fibrous
11-03-03419-003	185-001C		Tan Granular	NAD	100% Non-Fibrous
11-03-03419-004	185-002A		White Granular	NAD	100% Non-Fibrous
11-03-03419-005	185-002B		White Granular	NAD	100% Non-Fibrous
11-03-03419-006	185-002C		White Granular	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 18-6351

Report Number: 11-03-03419

Project/Test Address: Shoe Factory - 185 Rowley Avenue;
Vanceburg, KY

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
11-03-03419-007	185-003A		Red Brittle	NAD	100% Non-Fibrous
11-03-03419-008	185-003B		Red Brittle; Silver Paint-Like; White Paint-Like	NAD	100% Non-Fibrous
11-03-03419-009	185-003C		Red Brittle	NAD	100% Non-Fibrous
11-03-03419-010	185-004A		Black Tar-Like; Black Fibrous; White Aggregate	NAD	25% Fibrous Glass 75% Non-Fibrous
11-03-03419-011	185-004B		Black Tar-Like; Black Fibrous; White Aggregate	NAD	25% Fibrous Glass 75% Non-Fibrous
11-03-03419-012	185-004C		Black Tar-Like; Black Fibrous; White Aggregate	NAD	25% Fibrous Glass 75% Non-Fibrous
11-03-03419-013	185-005A		Black Tar-Like; Black Fibrous; Green Aggregate	5% Chrysotile	35% Cellulose 60% Non-Fibrous
Total Asbestos: 5%					
Chrysotile present in black tar-like on the bottom of single. This material alone contains 10 % Chrysotile.					
11-03-03419-014	185-005B			Did Not Analyze (Positive Stop)	
11-03-03419-015	185-005C			Did Not Analyze (Positive Stop)	

Environmental Hazards Services, L.L.C

Client Number: 18-6351

Report Number: 11-03-03419

Project/Test Address: Shoe Factory - 185 Rowley Avenue;
Vanceburg, KY

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
11-03-03419-016	185-006A		Black Fibrous; Black Tar-Like; Green Paint-Like	NAD	65% Cellulose 35% Non-Fibrous
11-03-03419-017	185-006B		Black Tar-Like; Black Fibrous; Green Paint-Like	NAD	65% Cellulose 35% Non-Fibrous
11-03-03419-018	185-006C		Black Tar-Like; Black Fibrous; Green Paint-Like	NAD	65% Cellulose 35% Non-Fibrous
11-03-03419-019	185-007A		Brown Fibrous; White Paint Like	NAD	85% Cellulose 15% Non-Fibrous
11-03-03419-020	185-007B		Brown Fibrous; White Paint Like	NAD	85% Cellulose 15% Non-Fibrous
11-03-03419-021	185-007C		Brown Fibrous; White Paint Like	NAD	85% Cellulose 15% Non-Fibrous
11-03-03419-022	185-008A		Black Tar-Like; Silver Paint-Like	NAD	3% Cellulose 97% Non-Fibrous
11-03-03419-023	185-008B		Black Tar-Like; Silver Paint-Like	5% Chrysotile	2% Cellulose 93% Non-Fibrous
Total Asbestos:				5%	

Environmental Hazards Services, L.L.C

Client Number: 18-6351

Report Number: 11-03-03419

Project/Test Address: Shoe Factory - 185 Rowley Avenue;
Vanceburg, KY

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
11-03-03419-024	185-008C			Did Not Analyze (Positive Stop)	
11-03-03419-025	185-009A		Brown Fibrous	NAD	90% Cellulose 10% Non-Fibrous
11-03-03419-026	185-009B		Brown Fibrous	NAD	90% Cellulose 10% Non-Fibrous
11-03-03419-027	185-009C		Brown Fibrous	NAD	90% Cellulose 10% Non-Fibrous
11-03-03419-028	185-010A		White Chalky	NAD	3% Cellulose 97% Non-Fibrous
11-03-03419-029	185-010B		White Chalky	NAD	3% Cellulose 97% Non-Fibrous
11-03-03419-030	185-010C		White Chalky	NAD	3% Cellulose 97% Non-Fibrous
11-03-03419-031	185-011A		Black Tar-Like	NAD	5% Cellulose 95% Non-Fibrous
11-03-03419-032	185-011B		Black Tar-Like	NAD	5% Cellulose 95% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 18-6351

Report Number: 11-03-03419

Project/Test Address: Shoe Factory - 185 Rowley Avenue;
Vanceburg, KY

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
11-03-03419-033	185-011C		Black Tar-Like; White Granular	NAD	5% Cellulose 95% Non-Fibrous
11-03-03419-034	185-012A		Tan Brittle	2% Chrysotile	98% Non-Fibrous
				Total Asbestos: 2%	
11-03-03419-035	185-012B			Did Not Analyze (Positive Stop)	
11-03-03419-036	185-012C			Did Not Analyze (Positive Stop)	
11-03-03419-037	185-013A		Gray Chalky; Brown Fibrous	NAD	20% Cellulose 80% Non-Fibrous
11-03-03419-038	185-013B		White Chalky; Brown Fibrous	NAD	20% Cellulose 80% Non-Fibrous
11-03-03419-039	185-013C		White Chalky	NAD	2% Cellulose 98% Non-Fibrous
11-03-03419-040	185-014A		Black Fibrous; Black Tar-Like	NAD	65% Cellulose 35% Non-Fibrous
11-03-03419-041	185-014B		Black Tar-Like; Black Fibrous	NAD	65% Cellulose 35% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 18-6351

Report Number: 11-03-03419

Project/Test Address: Shoe Factory - 185 Rowley Avenue;
Vanceburg, KY

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
11-03-03419-042	185-014C		Black Tar-Like; Black Fibrous	NAD	65% Cellulose 35% Non-Fibrous
11-03-03419-043	185-015A		Brown Fibrous; White Paint Like	NAD	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous
11-03-03419-044	185-015B		Brown Fibrous; White Paint Like	NAD	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous
11-03-03419-045	185-015C		Brown Fibrous; White Paint Like	NAD	60% Cellulose 10% Fibrous Glass 30% Non-Fibrous
11-03-03419-046	185-016A		Brown Fibrous; White Paint Like	NAD	65% Cellulose 5% Fibrous Glass 30% Non-Fibrous
11-03-03419-047	185-016B		Brown Fibrous; White Paint Like	NAD	65% Cellulose 5% Fibrous Glass 30% Non-Fibrous
11-03-03419-048	185-016C		Brown Fibrous; White Paint Like	NAD	65% Cellulose 5% Fibrous Glass 30% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 18-6351

Report Number: 11-03-03419

Project/Test Address: Shoe Factory - 185 Rowley Avenue;
Vanceburg, KY

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
11-03-03419-049	185-017A		Black Tar-Like; Black Fibrous; Green Aggregate	Trace <1% Chrysotile	25% Cellulose 15% Fibrous Glass 60% Non-Fibrous
Total Asbestos: Trace <1%					
Chrysotile present in black tar-like on the felt. This material alone contains 5 % Chrysotile.					
11-03-03419-050	185-017B		Black Tar-Like; Black Fibrous; Green Aggregate	Trace <1% Chrysotile	25% Cellulose 15% Fibrous Glass 60% Non-Fibrous
Total Asbestos: Trace <1%					
Chrysotile present in black tar-like on the felt. This material alone contains 5 % Chrysotile.					
11-03-03419-051	185-017C		Black Tar-Like; Black Fibrous; Green Aggregate	Trace <1% Chrysotile	25% Cellulose 15% Fibrous Glass 60% Non-Fibrous
Total Asbestos: Trace <1%					
Chrysotile present in black tar-like on the felt. This material alone contains 5 % Chrysotile.					

Environmental Hazards Services, L.L.C

Client Number: 18-6351

Report Number: 11-03-03419

Project/Test Address: Shoe Factory - 185 Rowley Avenue;
Vanceburg, KY

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
-------------------	----------------------	------------	-----------------------	----------	-----------------

QC Sample: 44-M12006-3

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116

Analyst: AraceliENZler

Reviewed By Authorized Signatory:



Tasha Eaddy
QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), (for enhanced detection capabilities) for materials regulated by EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND: NAD = no asbestos detected

SIPUM



Environmental Hazards Services, LLC

www.leadlab.com 7469 Whitepine Rd
 (800)347-4010 Richmond, VA
 (804)275-4907 (fax) 23237

Asbestos Chain-of-Custody

11-03-03419

A



Due Date:
 03/29/2011
 (Tuesday)
 W

Company Name: TriEco, LLC Address: 7710 Springvale Dr. City/State/Zip: Louisville, KY 40241
 Phone: (502) 489-0850 Fax: (502) 657-0241 E-mail: Sarnzen@trieco.net Acct. Number: 18-6351 D
 Project Name / Testing Address: Shoe Factory - 185 Rowley Ave. City/State (Required): Vanceburg, KY
 Collected by: Christopher J. Stovall Purchase Order Number: _____

Turn Around Times :

If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.

1 - Day2 - Day

3 - Day

Same Day (Must Call Ahead)Weekend (Must Call Ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR				COMMENTS	
			PLM	PLM/NIST Count 400	PLM/NIST Count 1000	PLM - NY Protocol	PCM	TEM/Charfield (Bulk)	TEM/AFERA (Air)	Time On	Time Off	Flow Rate (L/min)	Total Time (minutes)		Volume (Total Liters)
1	185-001A	03/22/11	✓												* Stop when Hot within groups of 3
2	185-001B		✓												
3	185-001C		✓												
4	185-002A		✓												
5	185-002B		✓												
6	185-002C		✓												
7	185-003A		✓												
8	185-003B		✓												
9	185-003C		✓												
10															

Released by: Chris J. Stovall Signature: [Signature] Date/Time: 03/23/2011 12:00pm
 Received by: T. Hodge Signature: [Signature] Date/Time: 3/24/11



Asbestos Chain-of-Custody

11-03-03419
~ For Lab Use Only ~

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Turn Around Times : *If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.*

_____ 1 - Day _____ 2 - Day ☒ 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR				COMMENTS	
			PLM	PLM/Pump Count 400	PLM/Pump Count 1000	PLM SV Product	PCM	TEM/Clasfield (Bulk)	TEM/ALERA (Air)	Time On	Time Off	Flow Rate (L/min)	Total Time (minutes)		Volume (Total Liters)
1	185-004A	03/22/11	✓												* Stop when Hot within groups of 3
2	185-004B		✓												
3	185-004C		✓												
4	185-005A		✓												
5	185-005B		✓												
6	185-005C		✓												
7	185-006A		✓												
8	185-006B		✓												
9	185-006C		✓												
10															

Released by: Chris J. Stovall

Signature: [Signature]

Date/Time: 03/23/2011 12:00pm

Received by: T. Hodge

Signature: [Signature]

Date/Time: 3/24/11



Asbestos Chain-of-Custody

1103-03419

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_____ 1 - Day _____ 2 - Day ☒ 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR				COMMENTS	
			PLM	PLM (Count 400)	PLM (Count 1000)	PLM NY Protocol	PCM	TEM/Charfield (Bulk)	TEM/AFERA (Air)	Time On	Time Off	Flow Rate (L/min)	Total Time (minutes)		Volume (Total Liters)
1	185-007A	03/22/11	✓												* Stop when Hot within groups of 3
2	185-007B		✓												
3	185-007C		✓												
4	185-008A		✓												
5	185-008B		✓												
6	185-008C		✓												
7	185-009A		✓												
8	185-009B		✓												
9	185-009C		✓												
10															

Released by: Chris J. Stovall Signature: [Signature] Date/Time: 03/23/2011 12:00pm
Received by: T. Hodge Signature: [Signature] Date/Time: 3/24/11



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_____ 1 - Day _____ 2 - Day ☒ 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR				COMMENTS	
			PLM	PLM (Count 400)	PLM (Count 1000)	PLM NY Protocol	PCM	TEM Chatfield (Bulk)	TEM/AFERA (Air)	Time On	Time Off	Flow Rate (L/min)	Total Time (minutes)		Volume (Total Liters)
1	185-010A	03/22/11	✓												* Stop when Hot within groups of 3
2	185-010B		✓												
3	185-010C		✓												
4	185-011A		✓												
5	185-011B		✓												
6	185-011C		✓												
7	185-012A		✓												
8	185-012B		✓												
9	185-012C		✓												
10															

Released by: Chris J. Stovall

Signature: [Signature]

Date/Time: 03/23/2011 12:00pm

Received by: T. Hagg

Signature: [Signature]

Date/Time: 3/24/11



Asbestos Chain-of-Custody

11-03-03419
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Collected by: Christopher J. Stovall Purchase Order Number: _____

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_____ 1 - Day _____ 2 - Day ☒ 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR					COMMENTS
			PLM	PLM (Unit 400)	PLM (Unit 1000)	PLM NY Protocol	PCM	TEM Chatfield (Bulk)	TEM ALHRA (Air)	Time On	Time Off	Flow Rate (L/min)	Total Time (minutes)	Volume (Total Liters)	
1	185-013A	03/22/11	✓												* Stop when Hot within groups of 3
2	185-013B		✓												
3	185-013C		✓												
4	185-014A		✓												
5	185-014B		✓												
6	185-014C		✓												
7	185-015A		✓												
8	185-015B		✓												
9	185-015C	↓	✓												
10															

Released by: Chris J. Stovall

Signature: _____

Date/Time: 03/23/2011 12:00pm

Received by: T. Hoggel

Signature: _____

Date/Time: 3/24/11



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(800)347-4010 Richmond, VA
(804)275-4907 (fax) 23237

Asbestos Chain-of-Custody

11-03-03419

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Turn Around Times :

If no TAT is specified, sample(s) will be processed and charged as 3-day TAT.

_____ 1 - Day _____ 2 - Day ☒ 3 - Day _____ Same Day (Must Call Ahead) _____ Weekend (Must Call Ahead)

No.	Client Sample ID	Date Collected	ASBESTOS							AIR				COMMENTS	
			PLM	PLM/NIST (hand 400)	PLM/NIST (hand 1000)	PLM NIST Protocol	PCM	TEM Chatfield (bulk)	TEM/AFM (air)	Time On	Time Off	Flow Rate (L/min)	Total Time (minutes)		Volume (Total Liters)
1	185-016A	03/22/11	✓												* Stop when Hot within groups of 3
2	185-016B		✓												
3	185-016C		✓												
4	185-017A		✓												
5	185-017B		✓												
6	185-017C		✓												
7			✓												
8			✓												
9			✓												
10															

Released by: Chris of. Stovall Signature: [Signature] Date/Time: 03/23/2011 12:00pm
Received by: T. Hogg Signature: [Signature] Date/Time: 3/24/11

APPENDIX D

ASBESTOS PERSONNEL LICENSE AND CERTIFICATIONS

Steven L. Beshear
Governor



Leonard K. Peters
Secretary

**Commonwealth of Kentucky
Energy and Environment Cabinet
Department for Environmental Protection**

Division for Air Quality
200 Fair Oaks Lane, 1st Floor
Frankfort, Kentucky 40601-1403
www.air.ky.gov

January 28, 2011

Mr. Christopher Stovall
TRIECO
10110 Summit Park Place, Apt. 101
Louisville, KY 40241

RE: I11-01-0187

Issued: January 28, 2011
Expires: December 15, 2011

Dear Mr. Stovall:

This is to acknowledge receipt of your application for accreditation renewal as an asbestos abatement professional. Your application for *asbestos inspector* has been approved and the above-referenced card is enclosed.

Kentucky is issuing accreditation in five disciplines. It is important to note that accreditation in some disciplines automatically allows performance in other disciplines. A management planner is automatically allowed to perform additionally as an inspector, and an abatement supervisor is automatically allowed to perform additionally as an abatement worker. The initial accreditation fee is \$100.00 per person per discipline, except for abatement worker (\$20.00). For example, if anyone seeks accreditation as an inspector and an abatement worker, the fee will be \$120.00 and they will be issued two cards. If they seek accreditation in all five disciplines, the fee is \$300.00, and they will be issued three cards; one for project designer, management planner for inspections and plans, and supervisor for the other two disciplines. The renewal fee is one-half the initial fee. There is a \$10.00 duplication charge to replace a lost card.

If you have any questions regarding this matter you may call Ms. Cindy Mitchell at (502) 564-3999.

Sincerely,

A handwritten signature in black ink, appearing to read "Parker H. Moore".

Parker H. Moore, Supervisor
Field Support Section

**COMMONWEALTH OF KENTUCKY
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION FOR AIR QUALITY**

CONFIRMS THAT
CHRISTOPHER STOVALL

Has fulfilled the training requirements of 401 KAR 58:005 and is

ACCREDITED as an
ASBESTOS INSPECTOR

Date Issued 01-28-11 Expires 12-15-11

Parker H. Moore, Branch Manager John B. Lyons, Director
No. I11-01-0187