

# INVITATION TO BID

**Asbestos Removal – 8275 Mary Ball Road**

**Lancaster, Virginia**

**March 4, 2010**

The Board of Supervisors of Lancaster County is seeking bids for the removal of asbestos containing materials from a former residential structure located at 8275 Mary Ball Road, Lancaster, Virginia.

Bids must be received at the Office of the Lancaster County Administrator **no later than 4:00 PM on Friday, April 2, 2010**. Submissions received after this date and time, for whatever reason, will not be considered. Any questions regarding this Invitation to Bid should be directed to:

Mr. William H. Pennell, Jr.  
Lancaster County Administrator  
8311 Mary Ball Road  
Lancaster, VA 22503  
Phone: 804-462-5129  
Fax: 804-462-0031  
E-Mail: [wpennell@lancova.com](mailto:wpennell@lancova.com)

Contractors are strongly encouraged to inspect the site prior to submitting a bid. Please contact the Lancaster County Administration Office to schedule an appointment.

A complete report on the presence of asbestos containing materials in this structure is attached to this Invitation to Bid.

Bids submitted in response to this solicitation will be opened in the Office of the County Administrator at 4:00 PM on Friday, April 2, 2010. Interested parties are welcome to observe the bid opening but no decision will be made nor opinion offered until final review by county staff and approval by the Board of Supervisors.

The Board of Supervisors reserves the right to reject any or all bids and waive any formalities.

## **I. BACKGROUND**

The County of Lancaster is the owner of the structure at 8275 Mary Ball Road, Lancaster, Virginia. Because of the construction of the new judicial center, the subject structure is in the path of the future ingress/egress to the judicial center.

## **II. SCOPE OF WORK**

The attached Asbestos Survey, performed by the EI Group, Incorporated, identifies the amount and type of asbestos containing materials located in the subject structure.

This invitation to bid encompasses all work required by federal and state law to remove the asbestos containing materials so that complete demolition of the structure can be accomplished.

An Invitation to Bid for the actual demolition of the structure will be issued once the asbestos containing materials have been removed and appropriate inspections are conducted and approved.

## **III. INSURANCE REQUIREMENTS**

The Contractor shall maintain during the term of the contract the following insurance coverages:

Worker's Compensation - Standard Virginia Worker's Compensation Policy

General Liability - \$500,000 combined single limit

Automobile Liability - \$500,000 combined single limit

## **IV. SUBMISSION REQUIREMENTS**

Bids must be submitted in sealed envelopes clearly marked "Bid for Asbestos Removal".

The following documents must be included with the bid submission:

1. Bid price
2. Certificate of Insurance
3. Completion of Appendices A, B, and C of the Lancaster County procurement policy.

**CONTRACTOR QUALIFICATION SUMMARY SHEET**

CONTRACTOR:

Name: \_\_\_\_\_

Phone No.: \_\_\_\_\_

Address: \_\_\_\_\_

Contact Person: \_\_\_\_\_

**CERTIFICATE OF FAMILIARITY**

Your signature on this invitation constitutes certification that you have inspected the job site and the conditions under which the work must be accomplished and have fully familiarized yourself with the information contained in this entire Invitation to Bid.

Name and Address of Firm:

By: \_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



## ASBESTOS SURVEY

### Project Location

Former Farmhouse  
8311 Mary Ball Road  
Lancaster, Lancaster County, Virginia

### Prepared For:

Mr. William H. Pennell, Jr.  
County Administrator  
County of Lancaster  
Lancaster Courthouse  
8311 Mary Ball Road  
Lancaster, Virginia 22503

### Prepared By:

The EI Group, Inc  
5500 Cox Road, Suite E  
Glen Allen, Virginia 23060  
Phone: 804-320-9300  
Fax: 804-320-9302

**EI Project No: IHRI100005.00**

**February 2010**

# **ASBESTOS SURVEY**

## **Conducted at**

Former Farmhouse  
8311 Mary Ball Road  
Lancaster, Lancaster County, Virginia

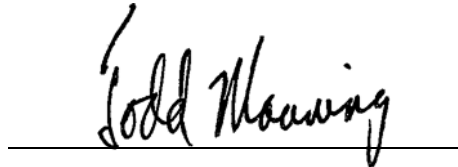
## **Prepared for**

Mr. William H. Pennell, Jr.  
County Administrator  
County of Lancaster  
Lancaster Courthouse  
8311 Mary Ball Road  
Lancaster, Virginia 22503

Alicia A. Figuerado  
Industrial Hygenist  
VA Asbestos Inspector



Todd L. Manning  
Senior Project Manager



## **Prepared By:**

*El, Inc.*  
*5500 Cox Road, Suite E*  
*Glen Allen, Virginia 23060*

**Telephone:** (804) 320-9300      **Fax:** (804) 320-9302

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## **1.0 INTRODUCTION AND METHODOLOGY**

A limited National Emissions Standard for Hazardous Air Pollutants (NESHAP) asbestos survey was conducted of the approximately 2,500 square-foot vacant, former farmhouse located at 8311 Mary Ball Road in Lancaster, Lancaster County, Virginia on January 29, 2010. The building was most recently utilized by Lancaster County for office use. These services were authorized by the client (Lancaster County) as documented by EI Proposal # 1001LP-TLM0033 dated January 18, 2010. The vacant farmhouse contained a kitchen, two bathrooms, a laundry room, three rooms on the first floor and three rooms on the second floor. The farmhouse was constructed of a wood frame, with transite panel siding covered by aluminum siding. The farmhouse is heated by a heat pump and uses an electric powered central air conditioning system for cooling. At the time of the inspection the heat was not activated. All associated duct insulation for the heat pump and HVAC system is fiberglass. The attic is insulated with rolled pink fiberglass insulation.

The purpose of this survey was to identify and sample all accessible suspect asbestos-containing materials (ACMs) that could be impacted by the planned demolition of the building. A material is defined by the Environmental Protection Agency (EPA) and the Virginia Department of Professional and Occupational Regulation (DPOR) to be asbestos-containing if greater than 1% asbestos by weight is detected in a sample of the material.

Legislation has been promulgated by the Department of Labor - Occupational Safety and Health Administration (OSHA) regarding inspection of buildings for ACMs. According to regulations (29 CFR 1910.1001, 29 CFR 1926.1101), materials installed no later than 1980 must be presumed to contain asbestos (PACM) until it has been demonstrated to be non-asbestos-containing through a comprehensive asbestos survey conducted by an accredited and licensed inspector.

The survey was conducted on January 29, 2010 by Ms. Alicia Figuerado (Virginia Asbestos Inspector No: 3303-003333) and by Mr. Todd Manning (Virginia Asbestos Inspector No: 3303-001951). Building components which have been generally known to contain asbestos were identified and assessed for condition.

Suspect materials are typically grouped into two categories: friable (able to be crushed or pulverized

by hand pressure) and non-friable. Additionally, those materials which are typically non-friable in their normal usage, such as floor tile, may be considered potentially friable. This means that they may be subjected to mechanical abrasion activities or chipping/breaking of concrete through the forthcoming planned demolition activities which would cause them to become friable. Such suspect materials and their typical application are identified in the EPA document entitled, "Guidance for Controlling Asbestos-Containing Materials in Buildings, 1985 Edition."

Please note that this survey was conducted using limited destructive survey methodology. Therefore potential ACMs that are concealed inside walls and in other inaccessible areas may not have been identified and if discovered later, should be presumed as asbestos containing until bulk sampling and analysis proves otherwise.

## **2.0 SURVEY TECHNIQUES**

During the building survey, each area of the facility was inspected and sampled according to homogeneous area. A material or area is considered homogeneous if it is consistent in size, texture, color, and application. All samples were taken in a randomly distributed manner, in areas of easy access, and in a quantity in accordance with EPA regulations. Each sample was individually sealed in plastic and submitted by hand delivery to AmeriSci Richmond Laboratories in Midlothian, Virginia, for analysis. AmeriSci is accredited by the National Institute of Standards and Technology (NIST) for polarized light microscopy (PLM) analysis of asbestos in bulk materials and under the National Voluntary Laboratory Accreditation Program (NVLAP) at the time of the survey. Samples were analyzed by PLM with dispersion staining techniques (EPA Interim Method for Determination of Asbestos in Bulk Materials, EPA-600/M4-822-020). The samples were asked to be analyzed using Positive Stop analysis, meaning for each homogeneous area the laboratory will analyze the samples until a positive sample (sample containing asbestos) is found for each homogeneous area. Fifty (30) samples were analyzed by the laboratory.

A total of 33 bulk samples were obtained for analysis from the facility. The EPA adopted the National Emission Standards for Hazardous Air Pollutants (NESHAP) policy on the analysis of multi-layered asbestos samples (40 CFR Part 61). This policy requires laboratories to prep, analyze,

and report, separately, each layer of a multi-layered sample. As such, the 33 samples submitted resulted in a total of 30 individual samples or layers analyzed. Any layer containing more than one percent (1%) asbestos is declared an ACM. EI instructed the laboratory to utilize a “positive stop” methodology, i.e. once a material was confirmed as positive, additional samples of the same material were not analyzed.

Table 1 provides a summary of the sampling activities conducted at the facility, presents sample identification, a material description of each homogeneous area, material location, type and percent of asbestos present, friability and physical condition of the material. A laboratory analytical report provided by AmeriSci has been included in Appendix A and figures indicating sample locations and which samples tested positive for asbestos are also provided at the conclusion of this report.

### 3.0 SURVEY RESULTS

The following materials were determined to contain asbestos in quantities greater than 1 percent and are defined by DPOR and the EPA as **asbestos-containing building materials (ACBMs)**:

- The 2<sup>nd</sup> layer cream colored stone pattern linoleum flooring located in the kitchen of the farmhouse contained 20% chrysotile asbestos and the associated mastic contained a trace (<1%) chrysotile asbestos. Approximately 170 square feet of the non-friable linoleum flooring was present in good condition.
- The cream colored stone pattern linoleum flooring located in the laundry room of the farmhouse contained 20% chrysotile asbestos. Approximately 20 square feet of non-friable linoleum flooring was present in good condition.
- The black and white ornate pattern linoleum flooring located in the 2<sup>nd</sup> floor bathroom of the farmhouse contained 20% chrysotile asbestos. Approximately 125 square feet of non-friable linoleum flooring was present in good condition.

- The silver painted roof material located on the exterior roofs of the farmhouse contained 2% chrysotile asbestos. Approximately 2,500 square feet of non-friable roof material was present and in good condition.
- The transite panel siding, attached under the aluminum siding, located on the exterior walls of the farmhouse contained 10% chrysotile asbestos. Approximately 3,900 square feet of non-friable transite panel material was present in good condition.
- The black sink mastic located in the kitchen is presumed to contain asbestos. Approximately 5 square feet of non-friable sink mastic was present in good condition.

#### **4.0 CONCLUSIONS AND RECOMMENDATIONS**

Based on the asbestos survey findings, *EI* recommends the following:

The asbestos-containing linoleum flooring and associated mastic, the silver painted roof material, and the transite panel exterior siding is categorized by the National Emission Standard for Hazardous Air Pollutants (NESHAPs) as Category I and Category II non-friable materials. The asbestos containing materials are currently in good condition however, they may be rendered friable by the demolition process. EI, Inc. recommends removing the asbestos containing building materials utilizing appropriate licensed Virginia asbestos abatement contractors prior to demolition or disturbance of the ACMs. EI estimates that the cost to remove and properly dispose approximately 190 square feet of cream colored stone pattern linoleum flooring, approximately 125 square feet of black and white ornate pattern linoleum flooring, approximately 2,500 square feet of silver painted roofing material, and approximately 3,900 square feet of exterior transite panel siding from the former farmhouse by a Virginia Licensed Asbestos Abatement contractor to be approximately \$20,000.00. EI further recommends that a Licensed Virginia Asbestos Project Monitor be employed by the building owner to collect background area air samples (analyzed by phase contrast microscopy-PCM) at the perimeter of the property during the removal of the asbestos containing materials and to perform a visual clearance following removal of the asbestos containing materials. The cost of these services is estimated to be \$800 a day plus the cost of sample analysis.

To facilitate the demolition of the building through the granting of a demolition permit, a copy of this report should be sent to:

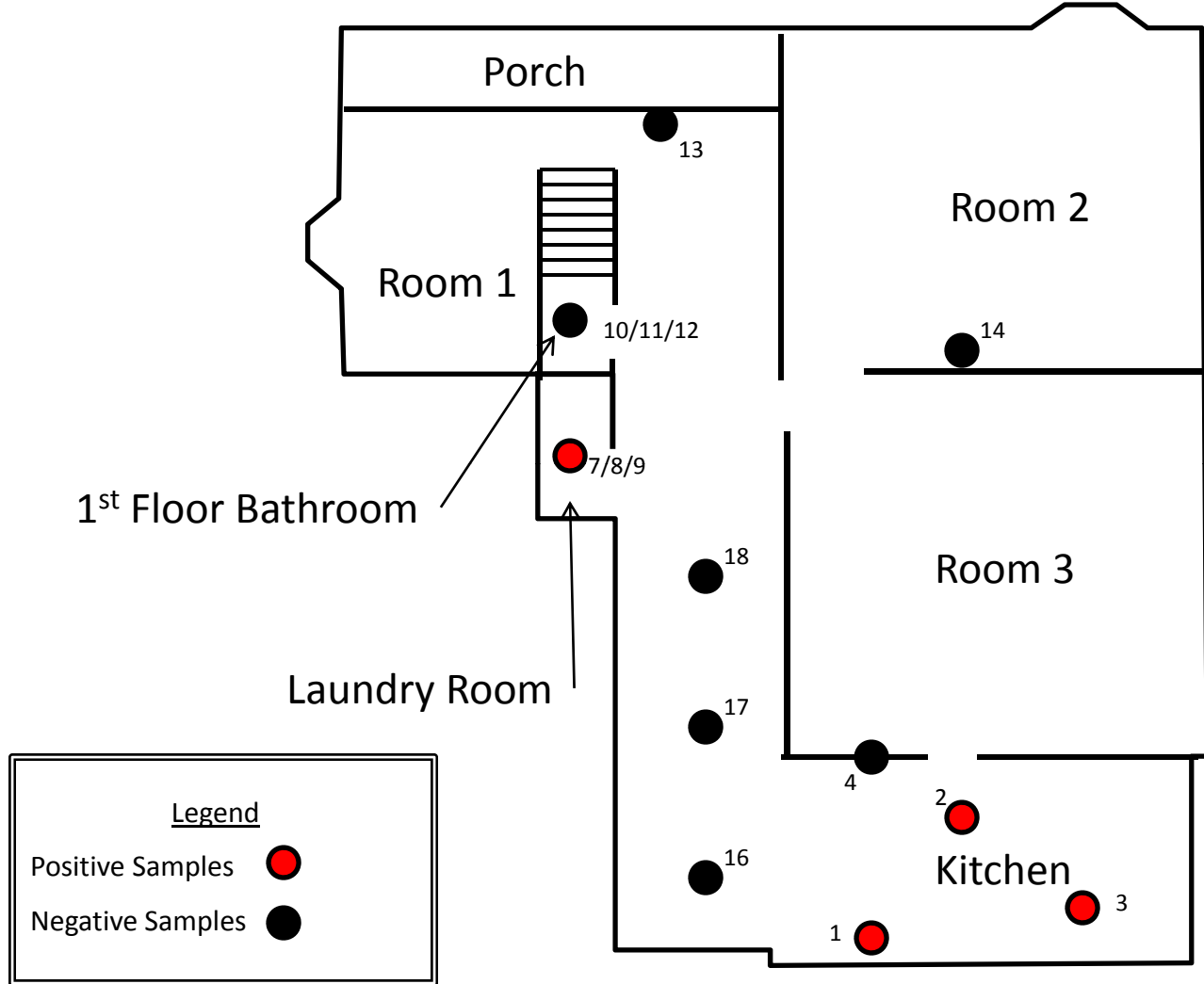
**Mr. Stephan A. Daum**  
**Lancaster County Building Official**  
**Building Inspections Department**  
**8311 Mary Ball Road**  
**Lancaster, VA 22503**  
**Via Email: [sdaum@lancova.com](mailto:sdaum@lancova.com)**

A 10 working day notification to the EPA and a 20 calendar day notification to the Virginia Department of Labor and Industry must be submitted prior to the intended demolition date. This notification is mandatory for all demolition projects, regardless of the ACBM content.

According to the Occupational Safety and Health Administration (OSHA) Construction Industry Standard (1926.1101), employees whose duties require their contact with ACMs must be informed of the presence and location of these materials and instructed in the proper procedures for working with ACMs in order to prevent personnel exposure and property contamination.

## **FIGURES**

Front Entrance



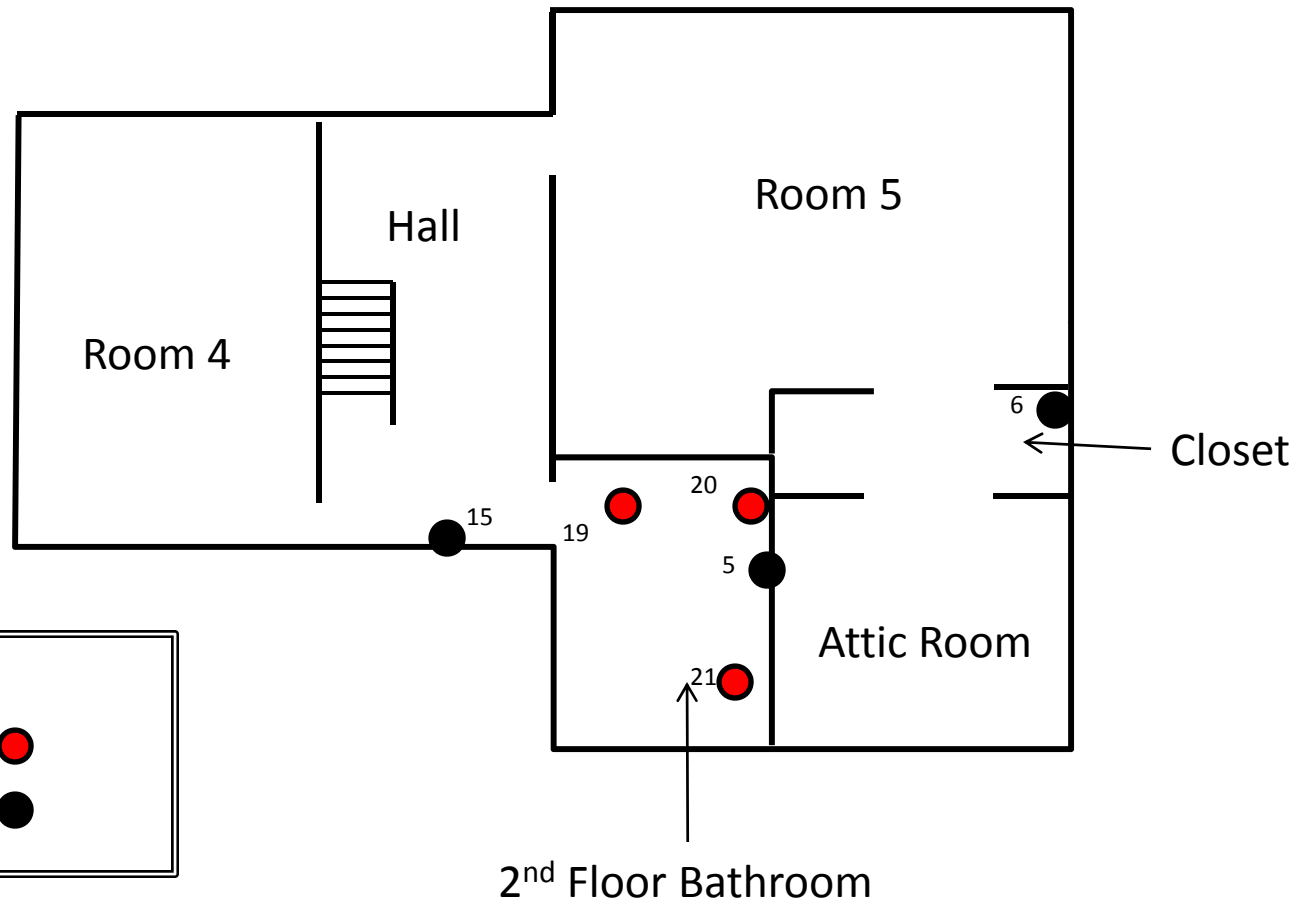
Legend  
Positive Samples ●  
Negative Samples ●

PROPERTY SITE DRAWING	
DRAWN BY:	Alicia Figuerado
PROJECT NUMBER:	IHRI100005.00
SCALE:	No Scale

**SAMPLE LOCATIONS**  
Former Farmhouse  
8311 Mary Ball Road  
Lancaster, Virginia



2nd Floor



Legend

Positive Samples ●

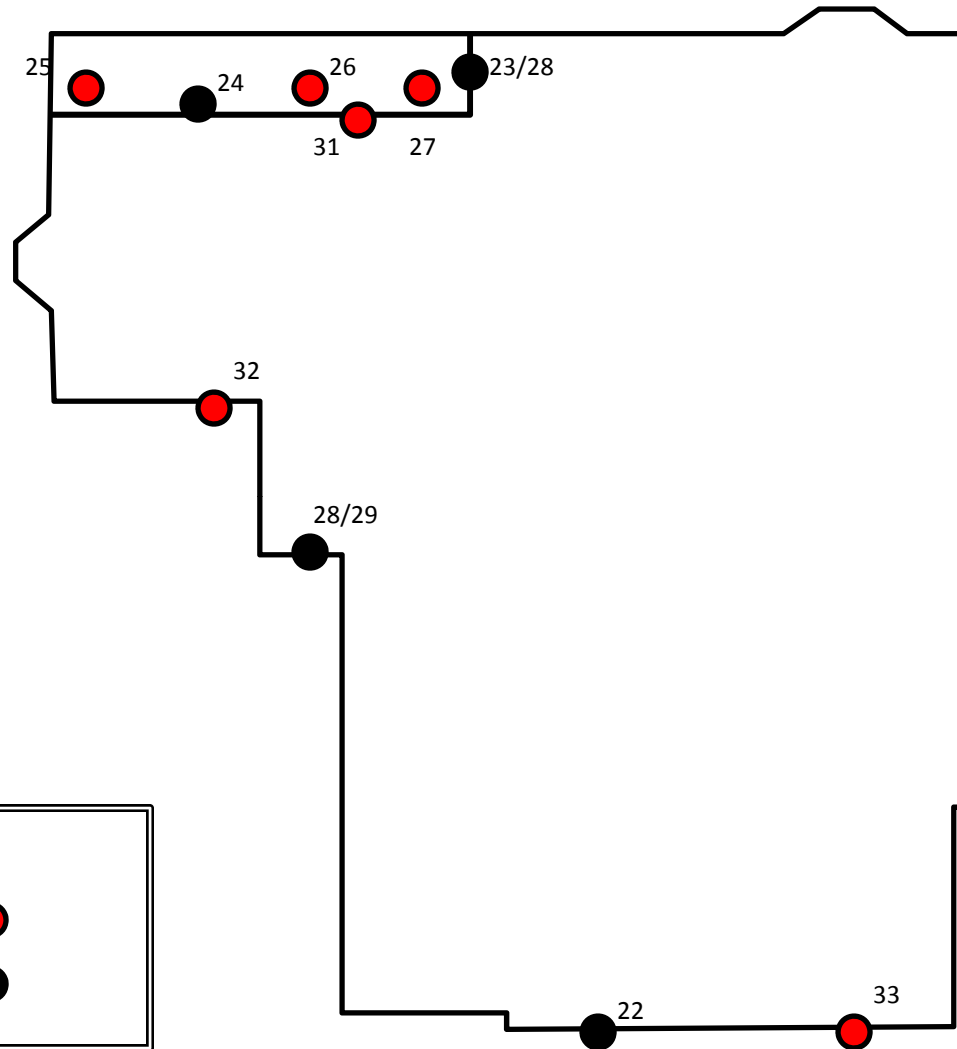
Negative Samples ●

PROPERTY SITE DRAWING	
DRAWN BY:	Alicia Figuerado
PROJECT NUMBER:	IHRI100005.00
SCALE:	No Scale

**SAMPLE LOCATIONS**  
Former Farmhouse  
8311 Mary Ball Road  
Lancaster, Virginia



# Exterior/Roof



Legend

Positive Samples ●

Negative Samples ●

PROPERTY SITE DRAWING	
DRAWN BY:	Alicia Figuerado
PROJECT NUMBER:	IHRI100005.00
SCALE:	No Scale

**SAMPLE LOCATIONS**  
Former Farmhouse  
8311 Mary Ball Road  
Lancaster, Virginia



**APPENDIX A**  
**SAMPLE TABLE**

**TABLE 1  
BULK ASBESTOS SAMPLING RESULTS**

Former Farmhouse  
8311 Mary Bell Road  
Lancaster, Virginia  
Survey Date: January 29, 2010

Sample ID	Material Description	Material Location	Asbestos Type	Asbestos Percent	Quantity	Friable/ Non-friable	Condition	Potential for Disturbance
004-01 004-02 004-03	1 <sup>st</sup> layer- 6"x6" pattern white/green linoleum flooring 2 <sup>nd</sup> layer- Cream colored stone pattern linoleum flooring and associated mastic	Kitchen	Chrysotile	2 <sup>nd</sup> Layer- 20% Mastic-Trace	170 SF	Non-Friable	Good	Moderate
004-04 004-05 004-06	Drywall	Kitchen 2 <sup>nd</sup> Floor Bathroom 2 <sup>nd</sup> -Floor Room 5 Closet	NAD	NAD	20% of Wall system	Friable	Good	NA
004-07 004-08 004-09	Cream Colored Stone Pattern Linoleum Flooring	Laundry Room	Chrysotile	20%	20 SF	Non-Friable	Good	Moderate
004-10 004-11 004-12	Grey/Brown Color Stone Pattern Linoleum Flooring	1 <sup>st</sup> Floor Bathroom	NAD	NAD	15 SF	Non-Friable	Good	NA
004-13 004-14 004-15	Plaster Wall	1 <sup>st</sup> floor Front Entrance Room 2 Near Fireplace 2 <sup>nd</sup> Floor Hallway	NAD	NAD	80% of Wall System	Friable	Good	NA
004-16 004-17 004-18	Wood Pattern Linoleum Flooring	Kitchen	NAD	NAD	400 SF	Non-Friable	Good	NA
004-19 004-20 004-21	Black and White Ornate Pattern Linoleum Flooring	2 <sup>nd</sup> Floor Bathroom	Chrysotile	20%	125 AF	Non-Friable	Damaged	Moderate
004-22 004-23 004-24	Window Caulking	Exterior Windows	NAD	NAD	90 SF	Non-Friable	Good	NA
004-25 004-26 004-27	Silver Painted Roofing Materials	Exterior Roofs	Chrysotile	2%	2,500 SF	Non-Friable	Good	Low
004-28 004-29	Window Glazing	Exterior Windows	NAD	NAD	15 SF	Friable	Good	NA

**TABLE 1  
BULK ASBESTOS SAMPLING RESULTS**

Former Farmhouse  
8311 Mary Bell Road  
Lancaster, Virginia  
Survey Date: January 29, 2010

<b>Sample ID</b>	<b>Material Description</b>	<b>Material Location</b>	<b>Asbestos Type</b>	<b>Asbestos Percent</b>	<b>Quantity</b>	<b>Friable/ Non-friable</b>	<b>Condition</b>	<b>Potential for Disturbance</b>
004-30								
<b>004-31 004-32 004-33</b>	<b>Transite Panel Siding</b>	<b>Exterior Walls</b>	<b>Chrysotile</b>	<b>10%</b>	<b>3,900 SF</b>	<b>Non-Friable</b>	<b>Good</b>	<b>Moderate</b>
<b>NA</b>	<b>Sink Mastic</b>	<b>Kitchen Sink</b>	<b>Presumed</b>	<b>NA</b>	<b>5 SF</b>	<b>Non-Friable</b>	<b>Good</b>	<b>Moderate</b>

**BOLD= Asbestos Containing Material** NAD = No Asbestos Detected SF = Square Feet LF = Linear Feet NA = Not Applicable NF = Non-friable F- Friable  
Condition - Good = <1% damaged, Fair = 1-25% localized/1-10% distributed, Poor = >25% localized/>10% distributed

**APPENDIX B**  
**LABORATORY RESULTS**



## PLM Bulk Asbestos Report

Environmental Investigations, P.A.  
Attn: Todd Manning  
5500 Cox Rd Ste E

**Date Received** 01/29/10    **AmeriSci Job #** 110011713  
**Date Examined** 01/29/10    **P.O. #**  
**Page** 1 of 8  
**RE:** IHR1100004.00; Lancaster Co. Office; AB Inspection

Glen Allen , VA 23060

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004-1 1 <b>Location:</b> Kitchen	110011713-01L1	<b>No</b>	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> White, Homogeneous, Non-Fibrous, Sheet Vinyl <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
004-1 1 <b>Location:</b> Kitchen	110011713-01L2	<b>Yes</b>	20 % (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Ivory/Brown/Gray, Heterogeneous, Fibrous, Linoleum <b>Asbestos Types:</b> Chrysotile 20.0 % <b>Other Material:</b> Cellulose 5 %, Non-fibrous 75 %			
004-1 1 <b>Location:</b> Kitchen	110011713-01L3	<b>Yes</b>	Trace (<1 %) <sup>1</sup> (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Brown, Homogeneous, Non-Fibrous, Mastic <b>Asbestos Types:</b> Chrysotile <1. % <b>Other Material:</b> Cellulose Trace, Non-fibrous 100 %			
004-2 1 <b>Location:</b> Kitchen	110011713-02L1	<b>No</b>	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Ivory/Green, Heterogeneous, Non-Fibrous, Sheet Vinyl <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
004-2 1 <b>Location:</b> Kitchen	110011713-02L2		NA/PS
<b>Analyst Description:</b> Linoleum <b>Asbestos Types:</b> <b>Other Material:</b>			

Client Name: Environmental Investigations, P.A.

# PLM Bulk Asbestos Report

IHRI100004.00; Lancaster Co. Office; AB Inspection

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004-3 1 Location: Kitchen	110011713-03L1	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Ivory/Green, Homogeneous, Non-Fibrous, Sheet Vinyl <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
004-3 1 Location: Kitchen	110011713-03L2		NA/PS
<b>Analyst Description:</b> Linoleum <b>Asbestos Types:</b> <b>Other Material:</b>			
004-4 2 Location: Kitchen	110011713-04	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Brown/Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 12 %, Non-fibrous 88 %			
004-5 2 Location: 2nd Fl Bath	110011713-05	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> White/Brown/Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 18 %, Non-fibrous 82 %			
004-6 2 Location: 2nd Fl Closet	110011713-06	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Brown/Gray, Heterogeneous, Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 18 %, Non-fibrous 82 %			
004-7 3 Location: Laundry Rm	110011713-07L1	Yes	20 % (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Lt. Beige, Heterogeneous, Fibrous, Linoleum <b>Asbestos Types:</b> Chrysotile 20.0 % <b>Other Material:</b> Cellulose 5 %, Non-fibrous 75 %			

# PLM Bulk Asbestos Report

IHR1100004.00; Lancaster Co. Office; AB Inspection

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004-7 3 Location: Laundry Rm	110011713-07L2	Yes	Trace (<1 %) <sup>1</sup> (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Brown, Homogeneous, Non-Fibrous, Mastic <b>Asbestos Types:</b> Chrysotile <1. % <b>Other Material:</b> Cellulose 2 %, Non-fibrous 98 %			
004-8 3 Location: Laundry Rm	110011713-08L1		NA/PS
<b>Analyst Description:</b> Linoleum <b>Asbestos Types:</b> <b>Other Material:</b>			
004-8 3 Location: Laundry Rm	110011713-08L2	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Brown, Homogeneous, Non-Fibrous, Mastic <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose Trace, Non-fibrous 100 %			
004-9 3 Location: Laundry Rm	110011713-09L1		NA/PS
<b>Analyst Description:</b> Linoleum <b>Asbestos Types:</b> <b>Other Material:</b>			
004-9 3 Location: Laundry Rm	110011713-09L2	Yes	Trace (<1 %) <sup>1</sup> (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Brown, Homogeneous, Non-Fibrous, Mastic <b>Asbestos Types:</b> Chrysotile <1. % <b>Other Material:</b> Cellulose Trace, Non-fibrous 100 %			
004-10 4 Location: 1st Bath	110011713-10	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Beige, Heterogeneous, Fibrous, Sheet Vinyl <b>Asbestos Types:</b> <b>Other Material:</b> Fibrous glass 12 %, Non-fibrous 88 %			

Client Name: Environmental Investigations, P.A.

**PLM Bulk Asbestos Report**

IHR100004.00; Lancaster Co. Office; AB Inspection

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004-11 4 Location: 1st Bath	110011713-11	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Beige, Heterogeneous, Fibrous, Sheet Vinyl			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Fibrous glass 12 %, Non-fibrous 88 %			
004-12 4 Location: 1st Bath	110011713-12	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Beige, Heterogeneous, Fibrous, Sheet Vinyl			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Fibrous glass 12 %, Non-fibrous 88 %			
004-13 5 Location: Front Door	110011713-13	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Ivory, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Animal hair 5 %, Non-fibrous 95 %			
004-14 5 Location: 2nd Fire	110011713-14	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Gray, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Animal hair 5 %, Non-fibrous 95 %			
004-15 5 Location: 2nd FI Hall	110011713-15	No	NAD (by CVES) by Donna M. Blackwell on 01/29/10
<b>Analyst Description:</b> Beige, Homogeneous, Non-Fibrous, Cementitious, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Animal hair 5 %, Non-fibrous 95 %			
004-16 6 Location: Kitchen	110011713-16	No	NAD (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Bulk Material			
<b>Asbestos Types:</b>			
<b>Other Material:</b> Cellulose 25 %, Non-fibrous 75 %			

Client Name: Environmental Investigations, P.A.

**PLM Bulk Asbestos Report**

IHR100004.00; Lancaster Co. Office; AB Inspection

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004-17 6 Location: Kitchen	110011713-17	No	NAD (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 25 %, Non-fibrous 75 %			
004-18 6 Location: Kitchen	110011713-18	No	NAD (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> Brown, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Cellulose 25 %, Non-fibrous 75 %			
004-19 7 Location: 2nd Fl Bath	110011713-19	Yes	20 % (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> White/Black, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 20.0 % <b>Other Material:</b> Cellulose 10 %, Non-fibrous 70 %			
004-20 7 Location: 2nd Fl Bath	110011713-20		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
004-21 7 Location: 2nd Fl Bath	110011713-21		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
004-22 8 Location: Attic	110011713-22	No	NAD (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

# PLM Bulk Asbestos Report

IHR1100004.00; Lancaster Co. Office; AB Inspection

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004-23 8 Location: Ext	110011713-23	No	NAD (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
004-24 8 Location: Ext	110011713-24	No	NAD (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> White, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
004-25 9 Location: Ext Roof	110011713-25	Yes	2 % (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> Silver, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> Chrysotile 2.0 % <b>Other Material:</b> Cellulose 4 %, Non-fibrous 94 %			
004-26 9 Location: Ext Roof	110011713-26		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
004-27 9 Location: Ext Roof	110011713-27		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
004-28 10 Location: Ext Window	110011713-28	No	NAD (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			

# PLM Bulk Asbestos Report

IHR1100004.00; Lancaster Co. Office; AB Inspection

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
004-29 10 Location: Ext Window	110011713-29	No	NAD (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
004-30 10 Location: Ext Window	110011713-30	No	NAD (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> Tan, Heterogeneous, Non-Fibrous, Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b> Non-fibrous 100 %			
004-31 11 Location: Ext Siding	110011713-31	Yes	10 % (by CVES) by Jean L. Mayes on 01/29/10
<b>Analyst Description:</b> Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material <b>Asbestos Types:</b> Chrysotile 10.0 % <b>Other Material:</b> Non-fibrous 90 %			
004-32 11 Location: Ext Siding	110011713-32		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			
004-33 11 Location: Ext Siding	110011713-33		NA/PS
<b>Analyst Description:</b> Bulk Material <b>Asbestos Types:</b> <b>Other Material:</b>			

Client Name: Environmental Investigations, P.A.

# PLM Bulk Asbestos Report

IHR1100004.00; Lancaster Co. Office; AB Inspection

### Reporting Notes:

(1) Trace amount of asbestos (<1%) suspected to be inseparable contamination from adjacent layer.

Analyzed by: Donna M. Blackwell Donna M Blackwell Date 1/29/10

\*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples (198.6 for NOB samples)(NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: \_\_\_\_\_

AMERISCI RICHMOND  
Job No. **110011713**

AMERISCI RICHMOND  
13635 GENITO ROAD  
MIDLOTHIAN, VA 23112  
PHONE: (804) 763-1200  
FAX: (804) 763-1800  
TOLL FREE: (800) 476-5227  
www.amerisci.com

NAME: Environmental Investigations Inc (EI, INC)	ADDRESS: 5500 Cox Road Glen Allen, VA 23060	P.O.#: SPECIAL INSTRUCTIONS: Also send to <i>efiguera@ei1.com</i>
--	--	--

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME (X)							AIR FILTER INFORMATION:	
		6-8 HR	12 HR	24 HR	48 HR	72 HR	5 DAY	OTHER		
JOB NAME: Lancaster Co. Office	TEM/AHERA								MCE	
JOB NO.: THRI 100004.00	TEM/LEVEL II								PC	
JOB MANAGER: Todd Manning	TEM/7402								25 mm	
JOB DESCRIPTION: AB Inspection	TEM/BULK								37 mm	
	TEM/DUST								0.45 um	
	TEM/WATER								0.80 um	
	PLM Bulk			X					OTHER:	
	PCM									
	OTHER:									

RESULTS TO: Todd Manning	INVOICE TO: Todd Manning	RETURN SAMPLES: YES No <input checked="" type="checkbox"/>
EMAIL RESULTS: <input checked="" type="checkbox"/> / N	EMAIL ADDRESS: <i>tmanning@ei1.com</i>	PHONE: (804) 320-9300
WRITTEN REPORT TO: Todd Manning		FAX: (804) 320-9302
COMMENTS: Positive stop for each HGA		SITE FAX:
		PAGER/CELL: (804) 647-8199

LAB ID	SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME X	LITERS /MIN.	TOTAL VOLUME	DATE COLLECTED
	004-1	HGA 1 Kitchen						1/29/10
	004-2	↓ ↓						
	004-3							
	004-4	HGA 2 Kitchen						
	004-5	↓ 2nd Fl Bath						
	004-6	↓ 2nd Fl Closet						
	004-7	HGA 3 Laundry Rm						
	004-8	↓ ↓						
	004-9							
	004-10	HGA 4 1st Bath						
	004-11	↓ ↓						
	004-12							
	004-13	HGA 5 Front Door						
	004-14	↓ 2nd Fire						
	004-15	↓ 2nd Fl Hall						
	004-16	HGA 6 Kitchen						
	004-17	↓ ↓						
	004-18							
	004-19	HGA 7 2nd Fl Bath						
	004-20	↓ ↓						
	004-21							

**RECEIVED**  
 JAN 29 2010  
 By *[Signature]* 3:40

SAMPLED BY: <i>Alicia Figueroa</i>	DATE/TIME: 1/29/10	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:

## CHAIN OF CUSTODY RECORD

AMERISCI RICHMOND

Job No.: **110011713**

AMERISCI RICHMOND  
 13635 GENITO ROAD  
 MIDLOTHIAN, VA 23112  
 PHONE: (804) 763-1200  
 FAX: (804) 763-1800  
 TOLL FREE: (800) 476-5227  
 www.amerisci.com

<b>NAME:</b> Environmental Investigations Inc (EI, INC)	<b>ADDRESS:</b> 5500 Cox Road Glen Allen, VA 23060	<b>P.O.#:</b> SPECIAL INSTRUCTIONS: <i>also send to afigueroa@ei.com</i>
--	--	--

PROJECT INFORMATION	ANALYSIS TYPE	TURNAROUND TIME (X)							AIR FILTER INFORMATION:		
		6-8 HR	12 HR	24 HR	48 HR	72 HR	5 DAY	OTHER			
<b>JOB NAME:</b> <i>Lancaster Co. office</i>	TEM/AHERA									MCE	
<b>JOB No.:</b> <i>IHP100004.00</i>	TEM/LEVEL II									PC	
<b>JOB MANAGER:</b> <i>Todd Manning</i>	TEM/7402									25 mm	
<b>JOB DESCRIPTION:</b> <i>AB Inspection</i>	TEM/BULK									37 mm	
	TEM/DUST									0.45 um	
	TEM/WATER									0.80 um	
	PLM <i>Bulk</i>				X					OTHER:	
	PCM										
	OTHER:										

<b>RESULTS TO:</b> <i>Todd Manning</i>	<b>INVOICE TO:</b> <i>Manning</i>	<b>RETURN SAMPLES:</b> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
<b>EMAIL RESULTS:</b> <input checked="" type="checkbox"/> N <input type="checkbox"/> Y	<b>EMAIL ADDRESS:</b> <i>t.manning@ei.com</i>	<b>PHONE:</b> <i>(804) 320-9300</i>
<b>WRITTEN REPORT TO:</b> <i>Todd Manning</i>		<b>FAX:</b> <i>(804) 320-9302</i>
<b>COMMENTS:</b> <i>Positive stop for each HGA</i>		<b>SITE FAX:</b>
		<b>PAGER/CELL:</b> <i>(804) 647-8199</i>

LAB ID	SAMPLE ID	SAMPLE LOCATION	START TIME	STOP TIME	TOTAL TIME X	LITERS /MIN.	TOTAL VOLUME	DATE COLLECTED
	004-22	HGA8 Attic						↓ 1/29/10 ↓
	004-23	↓ Ext						
	004-24	↓ ↓						
	004-25	HGA9 Ext Roof						
	004-26	↓ ↓						
	004-27	↓ ↓						
	004-28	HGA10 Ext window						
	004-29	↓ ↓						
	004-30	↓ ↓						
	004-31	HGA11 Ext siding						
	004-32	↓ ↓						
	004-33	↓ ↓						

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JAN 29 2010  
3:40  
 By *[Signature]*

<b>SAMPLED BY:</b> <i>[Signature]</i>	<b>DATE/TIME:</b> <i>1/29/10</i>	<b>RECEIVED BY:</b>	<b>DATE/TIME:</b>
<b>RELINQUISHED BY:</b> <i>[Signature]</i>	<b>DATE/TIME:</b>	<b>RECEIVED IN LAB BY:</b>	<b>DATE/TIME:</b>

**APPENDIX C**  
**CERTIFICATION AND ACCREDITATIONS**

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
05-31-2010

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

NUMBER  
3303 001951

VIRGINIA ASBESTOS LICENSE  
INSPECTOR LICENSE

TODD MANNING  
8442 NEWBYS MILL DR.

CHESTERFIELD, VA 23832



*Jay W. DeBoer*  
Jay W. DeBoer, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION  
COMMONWEALTH OF VIRGINIA

EXPIRES ON  
10-31-2010

9960 Mayland Dr., Suite 400, Richmond, VA 23233  
Telephone: 1 (804) 367-8500

NUMBER  
3303 003333

VIRGINIA ASBESTOS LICENSE  
INSPECTOR LICENSE

ALICIA ANN FIGUERADO  
3220 ST MARTINS TRAIL APT 1110  
RICHMOND, VA 23294



*Jay W. DeBoer*  
Jay W. DeBoer, Director

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